



Mobile Digital Evidence - Android Analysis

Test No. 23-5550 Summary Report

Participants were provided with data yielded from an extraction of a smartphone. They were asked to examine the extracted data and answer scenario-based questions utilizing their own tools and methods. Data were returned from 103 participants and are compiled in the following tables:

	<u>Page</u>
<u>Manufacturer's Information</u>	<u>2</u>
<u>Summary Comments</u>	<u>6</u>
<u>Table 1: Digital Evidence Responses</u>	<u>7</u>
<u>Table 2: Additional Comments</u>	<u>151</u>

This report contains the data received from the participants in this test. Since these participants are located in many countries around the world, and it is their option how the samples are to be used (e.g., training exercise, known or blind proficiency testing, research and development of new techniques, etc.), the results compiled in the Summary Report are not intended to be an overview of the quality of work performed in the profession and cannot be interpreted as such. The Summary Comments are included for the benefit of participants to assist with maintaining or enhancing the quality of their results. These comments are not intended to reflect the general state of the art within the profession.

Participant results are reported using a randomly assigned "WebCode". This code maintains participant's anonymity, provides linking of the various report sections, and will change with every report.

Manufacturer's Information

The Mobile Digital Evidence – Android Analysis test consisted of evidence data acquired from a smartphone. Participants were asked to examine the extracted data pertaining to a simulated scenario using their own tools and methods.

SAMPLE PREPARATION:

A scripted scenario based upon a corporate espionage case was created to generate user data on the evidence Android device. The execution of the scripted crime took place between 11 November 2022 and 10 December 2022. A Google Pixel 5 smartphone was used to perform the activities and generate the intended artifacts.

The phone data was acquired via a file system extraction of the smartphone using Cellebrite software and compiled into a zip archive. This file was uploaded to the CTS Portal for participants to download. A MD5 checksum was calculated for the file to generate a unique hash value that allows participants to validate the successful download of the file.

SAMPLE VALIDATION/VERIFICATION:

The validation stage consisted of the examination of the phone data using various software including Cellebrite UFED 7.59, Cellebrite PA 8, Autopsy 4.19, 7-zip 19 and Exiftool 12.05 to ensure the expected results could be achieved. Results from the predistribution laboratories were reviewed and certain questions were rephrased as necessary. Several forensic software tools were utilized during the validation of this test. CTS does not endorse any particular tools.

PLEASE NOTE: Questions marked with asterisks (**) did not show a clear consensus during preliminary review of the participants' responses. Further information and discussion will be available in the final summary report.

SCENARIO PROVIDED TO PARTICIPANTS

The owner of the subject phone is a project engineer for ACME Enterprises, a technology firm that develops and sells high-power lasers and components. Certain activities related to the sharing of sensitive and proprietary information have attracted the attention of the ACME network security team. The subject phone has been confiscated and data extracted for your examination.

Manufacturer's Information, continued

<u>Question</u>	<u>Manufacturer's Expected Response</u>
1	<u>On what date was this extraction acquired? Provide your response as YYYY-MM-DD using the date picker.</u> 2022-12-10
2	<u>Provide the SHA1 hash for Smart Phones_PDAs_Generic Android.zip.</u> 4270C26D07EBB4D295DC142C593F47C5ABD1D8E9
3	<u>What type of extraction was performed?</u> Filesystem, or Filesystem [Android ADB]
4	<u>What is the version of extraction software used?</u> 7.59.0.128
5	<u>According to the metadata in the photos captured with this device, what make and model phone is this?</u> Google Pixel 5
6	<u>What version of Android is running on this phone?</u> 13
7	<u>What is the set time zone for this phone? (Provide answer in the format Continent/City e.g.: "Europe/Kiev").</u> America/New_York
8	<u>Provide the device owner's (full) name (as registered in the Google account).</u> Mitchell Michaels, or Mitchell D Michaels
9	<u>What is the account name (email address) for this device's google.com backup account?</u> mitchelldmichaels@gmail.com
10	<u>What is the Default Gateway MAC Address of the Wifi Hotspot named "Target Guest Wi-Fi" (connected to by this phone)?</u> e0:55:3d:4c:2b:08
11	<u>This phone was configured with "B2EMO" as the mobile hotspot WiFi SSID. What is the passphrase?</u> youdontneedapassword
12	<u>What is the name of the Bluetooth device with MAC Address a2:9d:fe:97:be:53?</u> MONSTER WBA9-1008
13**	<u>What is the user's username (email address) for the Mail.com app?</u> MitchellMichaels.ACME@engineer.com
14	<u>What is the filename and extension of the file containing the word ornamegalonyx? (i.e., name.extension)</u> laser_test_rr copy.mp4
15	<u>What is the SHA256 hash of the file with MD5 hash 4fd1e07bef0e2a6461f363fd61b51873 (or SHA1 756E41BF0AB32C105897B7FFD8B538083327B8E2)?</u> 1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697
16	<u>What time of day is mentioned in the Google Voice voicemail message received December 9, 2022?</u> seven o'clock

Manufacturer's Information, continued

<u>Question</u>	<u>Manufacturer's Expected Response</u>
17 <u>From whom (full contact name) did the device owner receive a message regarding something called "crossbow" ?</u>	Chris Knight
18 <u>Who (full contact name) did the device owner call on 8 December 2022 (12/8/2022) 6:49:39 PM(UTC+0)?</u>	Chris Knight
19 <u>What email address is associated with the contact with the phone number 703-672-7934?</u>	Shannon.Ewe@cybergal.com
20 <u>What status does the call log database show for the call on 9 December 2022 (12/9/2022) 9:51:34 PM (UTC+0)? (Report one of the following: Answered, Blocked, Missed, Outgoing, Rejected, Voicemail, WiFi)</u>	Missed
21 <u>What event did the user receive an email invitation to attend?</u>	33rd or 3rd Intl. Laser Engineers Assn. Keystone Professional Engagement Event
22 <u>What was the date and time of the LAST answered incoming call? Provide your response in (UTC+0), using the date/time (24-hour) picker which presents the date in the following format: YYYY-MM-DD.</u>	2022-12-09 17:33
23 <u>What is the name of the document did the user send as a Gmail attachment on 9 December 2022 (12/9/2022) 4:39:17 PM(UTC+0)?</u>	s41377-020-0312-1.docx
24 <u>What text is listed next to the number "4" in the Google Keep note titled "Project Milestones"?</u>	patent
25 <u>Provide the filename for one of the photos taken near Latitude/Longitude 38.987283 / -76.283095.</u>	PXL_20221126_214002176.jpg, or PXL_20221126_214023522.jpg, or PXL_20221126_214025360.jpg
26 <u>On what date was the user scheduled for a "Date?" on their calendar? Provide your response as YYYY-MM-DD using the date picker.</u>	2022-12-09
27 <u>What website did the user visit with the Chrome browser on 11 November 2022 (2022-11-11) 21:42:45 EST? (Provide the full URL, i.e., https://site.tld/page/)</u>	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
28 <u>What web page did the user bookmark in the chrome browser? (Provide the full URL, i.e., https://lang.m.site.tld/page/subpage)</u>	https://en.m.wikipedia.org/wiki/Laser
29 <u>Provide the title shown on the document of the file with MD5 hash 36e3feaf5b3e8102b4ce2e939a0588ab.</u>	Photograph of a document titled "Proprietary and Confidential – ACME Enterprises Applied Laser Research ~ Optics for Launching and Receiving Beams"
30 <u>Who (provide full name) is listed in the metadata as the "Author/Creator" of the file s41377-020-0312-1.docx?</u>	Mltchell Michaels

Manufacturer's Information, continued

<u>Question</u>	<u>Manufacturer's Expected Response</u>
31 <u>What text is contained in the watermark for s41377-020-0312-1.docx?</u>	<i>Proprietary and Confidential – ACME Applied Laser Research</i>
32 <u>On what date was the mail.com app installed? Provide your response as YYYY-MM-DD using the date picker.</u>	<i>2022-11-11</i>
33 <u>What address (provide full address) did the user store as their work address in Google Maps?</u>	<i>43811 Central Station Dr, Ashburn, VA 20147</i>
34** <u>Who (provide email address) sent an email to the phone owner at their "ACME" non-Gmail email address regarding having met them at the conference that day?</u>	<i>Shannon.Ewe@cybergal.com</i>

Summary Comments

The purpose of this Mobile Digital Evidence (MDE) Test is to allow participants to evaluate their proficiency in analyzing digital artifacts using their own tools and methods. The participants were provided with a scripted scenario, the data extracted from a smartphone, and a series of questions related to the extracted data. (See Manufacturer's Information for preparation details, test scenario, and test questions)

The participants were requested to analyze various digital artifacts including: image details, phone and network settings, native and third-party applications, communications, web browser history, and Geo-Location information.

Of the 34 total questions, two questions (#13 and #34) did not reach a consensus response. For question #13, participants were asked for the user's email address for the Mail.com app. The majority of participants (74%) reported the expected response, whereas the remaining participants reported a variety of other email addresses. For question #34, participants were asked to provide the email address of the person who sent an email to the phone owner's non-Gmail email address. The majority of participants (71%) reported the expected response. Of the remaining participants, 18 reported "robertabenson55@gmail.com" or a variation of that email. More details concerning these results are discussed later in the report under the corresponding questions.

Many comments were received regarding question #27 as many participants believed that requesting the time in "EST" was likely an error and should have been listed as "GMT" or "UTC+0". In preparation of the test material, the stored timestamp was mis-interpreted by the tool used. Further investigation following the close of the test, showed the timestamp as "UTC+0" using Cellebrite. While this appeared to cause some confusion, all participants reported the expected response.

We acknowledge that the Digital Forensics field is increasing in complexity and there are generally not many clearly-defined answers. Similarly, for this test, participants should follow their laboratory's policies and procedures when evaluating the MDE proficiency test results.

Please Note: Several forensic software tools were utilized during the validation of this test and may be referenced during the discussion of results. CTS does not endorse any particular tools.

Digital Evidence Responses

TABLE 1

Question 1 - Examination Questions

Question 1: On what date was this extraction acquired? Provide your response as YYYY-MM-DD using the date picker.

Manufacturer's 2022-12-10

Expected Response:

WebCode	Response
22HQDV	2022-12-10
34Z6GW	2022-12-10
37XAJF	2022-12-10
3BYWKJ	2022-12-10
3DN6QE	2022-12-10
3WZTHD	2022-12-10
4BX4KQ	2022-12-10
4F7P9M	2022-12-10
4MTC7E	2022-12-10
4PBRDK	2022-12-10
4PZPRL	2022-12-10
4R2ZJF	2022-12-10
4RM9TJ	2022-12-10
4RZXXH	2022-12-10
4ZH8LE	2022-12-10
4ZHELK	2022-12-10
64BVCK	2022-12-10
6VGPHJ	2022-12-10
724QKG	2022-12-10
7AYVBX	2022-10-12
7DY4HT	2022-12-10
7HR4ZU	2022-12-10
7YEGEM	2022-10-12
8C2ZHQ	2022-12-10
8CHAEX	2022-12-10
9APXVH	2022-12-10
9T9NG8	2022-12-10

TABLE 1

Question 1 - Examination Questions	
WebCode	Response
9V9MJN	2022-12-10
AL2HWQ	2022-12-10
B8VLDN	2022-12-10
BLTM3H	2022-12-10
BMCKHP	2022-12-10
BN2TNJ	2022-10-12
CPVT8G	2022-12-10
CTTJ6F	2022-12-10
CV2RFK	2022-12-10
CWRXUQ	2022-12-10
CXQYZH	2022-12-10
E7PFFD	2022-12-10
EKCVEE	2022-12-10
ELRXH9	2022-12-10
EP26TB	2022-12-10
F7KHMT	2022-12-10
F7KMVA	2022-12-10
G7DUED	2022-12-10
GAEYA7	2022-12-10
GC46U4	2022-10-12
GKJQXF	2022-12-10
GLUQXF	2022-12-10
GYGV7D	2022-12-10
HHA2AW	2022-12-10
HQJKEE	2022-12-10
J2YUER	2022-12-10
J6GR9A	2022-12-10
JH6Y24	2022-12-10
JHKHNM	2022-12-10
JQX7MV	2022-12-10
JQZ7F4	2022-12-10
JRDTXH	2022-10-12

TABLE 1

Question 1 - Examination Questions	
WebCode	Response
JX2BEE	2022-12-10
K4H9HR	2022-12-10
K9DZRA	2022-12-10
KG86LB	2022-12-10
KUFQ8P	2022-12-10
LLYX3	2022-12-10
M6PCZ9	2022-12-10
M94ZK6	2022-12-10
MA4XY8	2022-12-10
MQ7PTW	2022-10-12
N87WK3	2022-10-12
N8EREB	2022-12-10
NWDCJ9	2022-12-10
P3APJ7	2022-12-10
Q6T4M7	2022-12-10
Q8LWHP	2022-12-10
QH3LGU	2022-12-10
QLJ2QM	2022-12-10
QMA86R	2022-10-12
R3K7TP	2022-12-10
R3L9EM	2022-12-10
RBEEDE	2022-10-12
RBFD8N	2022-10-12
RVWC8P	2022-12-10
TJ4JKL	2022-12-10
TUL32X	2022-12-10
TWBC8R	2022-10-12
U3C7KK	2022-12-10
U3ZAFF	2022-12-10
U7WXU3	2022-12-10
V3D6ET	2022-12-10
VENVYF	2022-12-10

TABLE 1

Question 1 - Examination Questions	
WebCode	Response
VFK9L9	2022-12-10
VGQQK6	2022-12-10
VHAF76	2022-12-10
W7B2LY	2022-12-10
WB2HRX	2022-12-10
WCFVJ2	2022-12-10
WTK8BQ	2022-12-10
WV4LD7	2022-12-10
X8F7CT	2022-12-10
YGJTK	2022-12-10
Z3ENAH	2022-12-10
ZF6DAN	2022-12-10

Question 1: On what date was this extraction acquired? Provide your response as YYYY-MM-DD using the date picker.

Consensus Result: 2022-12-10. Due to differences in date reporting formats, the date reported as "2022-10-12" was also accepted.

Expected Response Explanation:

This value is recorded by the acquisition tool and stored in the .ufd file.

Expected Response Illustration:

Smart Phones_PDA_Generic Android.ufd

```

15 [General]
16 AcquisitionTool=UFED 4PC
17 Date=10/12/2022 18:35:22 (-5)
18 Device=ANDROID_GENERIC
19 EndTime=10/12/2022 18:54:04 (-5)

```

TABLE 1

Question 2 - Examination Questions

Question 2: Provide the SHA1 hash for Smart Phones_PDAs_Generic Android.zip.

Manufacturer's 4270C26D07EBB4D295DC142C593F47C5ABD1D8E9

Expected Response:

WebCode	Response
22HQDV	4270c26d07ebb4d295dc142c593f47c5abd1d8e9
34Z6GW	4270C26D07EBB4D295DC142C593F47C5ABD1D8E9
37XAJF	4270C26D07EBB4D295DC142C593F47C5ABD1D8E9
3BYWKJ	4270c26d07ebb4d295dc142c593f47c5abd1d8e9
3DN6QE	4270c26d07ebb4d295dc142c593f47c5abd1d8e9
3WZTHD	4270c26d07ebb4d295dc142c593f47c5abd1d8e9
4BX4KQ	4270C26D07EBB4D295DC142C593F47C5ABD1D8E9
4F7P9M	4270c26d07ebb4d295dc142c593f47c5abd1d8e9
4MTC7E	4270c26d07ebb4d295dc142c593f47c5abd1d8e9
4PBRDK	4270C26D07EBB4D295DC142C593F47C5ABD1D8E9
4PZPRL	4270c26d07ebb4d295dc142c593f47c5abd1d8e9
4R2ZJF	SHA1: 4270c26d07ebb4d295dc142c593f47c5abd1d8e9
4RM9TJ	4270c26d07ebb4d295dc142c593f47c5abd1d8e9
4RZXXH	4270C26D07EBB4D295DC142C593F47C5ABD1D8E9
4ZH8LE	4270c26d07ebb4d295dc142c593f47c5abd1d8e9
4ZHELK	4270C26D07EBB4D295DC142C593F47C5ABD1D8E9
64BVCK	4270c26d07ebb4d295dc142c593f47c5abd1d8e9
6VGPHJ	4270C26D07EBB4D295DC142C593F47C5ABD1D8E9
724QKG	4270c26d07ebb4d295dc142c593f47c5abd1d8e9
7AYVBX	4270C26D07EBB4D295DC142C593F47C5ABD1D8E9
7DY4HT	4270c26d07ebb4d295dc142c593f47c5abd1d8e9
7HR4ZU	5274F3BED3784A10451BDF015EABC6C755E9058B
7YEGEM	4270c26d07ebb4d295dc142c593f47c5abd1d8e9
8C2ZHQ	4270C26D07EBB4D295DC142C593F47C5ABD1D8E9
8CHAEX	4270C26D07EBB4D295DC142C593F47C5ABD1D8E9
9APXVH	4270c26d07ebb4d295dc142c593f47c5abd1d8e9
9T9NG8	4270C26D07EBB4D295DC142C593F47C5ABD1D8E9
9V9MJN	4270C26D07EBB4D295DC142C593F47C5ABD1D8E9
AL2HWQ	4270c26d07ebb4d295dc142c593f47c5abd1d8e9

TABLE 1

Question 2 - Examination Questions	
WebCode	Response
B8VLDN	SHA1 Base16 - 4270C26D07EBB4D295DC142C593F47C5ABD1D8E9; SHA1 Base32 - IJYME3IH5O2NFFO4CQWFSP2HYWV5DWHJ
BLTM3H	4270c26d07ebb4d295dc142c593f47c5abd1d8e9
BMCKHP	4270c26d07ebb4d295dc142c593f47c5abd1d8e9
BN2TNJ	4270C26D07EBB4D295DC142C593F47C5ABD1D8E9
CPVT8G	4270C26D07EBB4D295DC142C593F47C5ABD1D8E9
CTTJ6F	4270c26d07ebb4d295dc142c593f47c5abd1d8e9
CV2RFK	Base 16: 4270C26D07EBB4D295DC142C593F47C5ABD1D8E9; Base 32: IJYME3IH5O2NFFO4CQWFSP2HYWV5DWHJ
CWRXUQ	SHA1-base16: 4270C26D07EBB4D295DC142C593F47C5ABD1D8E9, SHA1-base32: IJYME3IH5O2NFFO4CQWFSP2HYWV5DWHJ
CXQYZH	4270C26D07EBB4D295DC142C593F47C5ABD1D8E9
E7PFFD	4270c26d07ebb4d295dc142c593f47c5abd1d8e9
EKCVVE	4270c26d07ebb4d295dc142c593f47c5abd1d8e9
ELRXH9	4270c26d07ebb4d295dc142c593f47c5abd1d8e9
EP26TB	4270C26D07EBB4D295DC142C593F47C5ABD1D8E9
F7KHMT	4270c26d07ebb4d295dc142c593f47c5abd1d8e9
F7KMVA	4270C26D07EBB4D295DC142C593F47C5ABD1D8E9
G7DUED	4270C26D07EBB4D295DC142C593F47C5ABD1D8E9
GAEYA7	4270c26d07ebb4d295dc142c593f47c5abd1d8e9
GC46U4	4270c26d07ebb4d295dc142c593f47c5abd1d8e9
GKJQXF	4270C26D07EBB4D295DC142C593F47C5ABD1D8E9
GLUQXF	4270C26D07EBB4D295DC142C593F47C5ABD1D8E9
GYGV7D	4270C26D07EBB4D295DC142C593F47C5ABD1D8E9
HHA2AW	4270C26D07EBB4D295DC142C593F47C5ABD1D8E9
HQJKEE	4270c26d07ebb4d295dc142c593f47c5abd1d8e9
J2YUER	991d5d768464da90395e96bb95f2232ff8b77d84dd93311f886b35cedd04f2a6
J6GR9A	4270c26d07ebb4d295dc142c593f47c5abd1d8e9
JH6Y24	4270c26d07ebb4d295dc142c593f47c5abd1d8e9
JHKHNM	4270c26d07ebb4d295dc142c593f47c5abd1d8e9
JQX7MV	4270C26D07EBB4D295DC142C593F47C5ABD1D8E9
JQZ7F4	4270c26d07ebb4d295dc142c593f47c5abd1d8e9
JRDTXH	4270c26d07ebb4d295dc142c593f47c5abd1d8e9
JX2BEE	4270c26d07ebb4d295dc142c593f47c5abd1d8e9

TABLE 1

Question 2 - Examination Questions	
WebCode	Response
K4H9HR	4270c26d07ebb4d295dc142c593f47c5abd1d8e9
K9DZRA	4270c26d07ebb4d295dc142c593f47c5abd1d8e9
KG86LB	4270c26d07ebb4d295dc142c593f47c5abd1d8e9
KUFQ8P	4270C26D07EBB4D295DC142C593F47C5ABD1D8E9
LLXYX3	KJ2PHPWTPBFBARI334AV5K6GY5K6SBML
M6PCZ9	5274F3BED3784A10451BDF015EABC6C755E9058B
M94ZK6	4270c26d07ebb4d295dc142c593f47c5abd1d8e9
MA4XY8	4270C26D07EBB4D295DC142C593F47C5ABD1D8E9
MQ7PTW	4270C26D07EBB4D295DC142C593F47C5ABD1D8E9
N87WK3	4270c26d07ebb4d295dc142c593f47c5abd1d8e9
N8EREB	4270C26D07EBB4D295DC142C593F47C5ABD1D8E9
NWDCJ9	4270c26d07ebb4d295dc142c593f47c5abd1d8e9
P3APJ7	4270c26d07ebb4d295dc142c593f47c5abd1d8e9
Q6T4M7	4270C26D07EBB4D295DC142C593F47C5ABD1D8E9
Q8LWHP	5274f3bed3784a10451bdf015eabc6c755e9058b
QH3LGU	4270c26d07ebb4d295dc142c593f47c5abd1d8e9
QLJ2QM	4270C26D07EBB4D295DC142C593F47C5ABD1D8E9
QMA86R	4270c26d07ebb4d295dc142c593f47c5abd1d8e9
R3K7TP	4270C26D07EBB4D295DC142C593F47C5ABD1D8E9
R3L9EM	4270C26D07EBB4D295DC142C593F47C5ABD1D8E9
RBEEEDF	4270c26d07ebb4d295dc142c593f47c5abd1d8e9
RBFD8N	4270c26d07ebb4d295dc142c593f47c5abd1d8e9
RVVC8P	5274f3bed3784a10451bdf015eabc6c755e9058b
TJ4JKL	4270C26D07EBB4D295DC142C593F47C5ABD1D8E9
TUL32X	4270C26D07EBB4D295DC142C593F47C5ABD1D8E9
TWBC8R	4270C26D07EBB4D295DC142C593F47C5ABD1D8E9
U3C7KK	4270C26D07EBB4D295DC142C593F47C5ABD1D8E9
U3ZAFF	4270c26d07ebb4d295dc142c593f47c5abd1d8e9
U7WXU3	4270c26d07ebb4d295dc142c593f47c5abd1d8e9
V3D6ET	5274f3bed3784a10451bdf015eabc6c755e9058b
VENVYF	4270c26d07ebb4d295dc142c593f47c5abd1d8e9
VFK9L9	4270c26d07ebb4d295dc142c593f47c5abd1d8e9

TABLE 1

Question 2 - Examination Questions	
WebCode	Response
VGQQK6	4270C26D07EBB4D295DC142C593F47C5ABD1D8E9
VHAF76	4270C26D07EBB4D295DC142C593F47C5ABD1D8E9
W7B2LY	A82FA090E95FBDF82F3E083A53A5ED798F62E8D0
WB2HRX	4270C26D07EBB4D295DC142C593F47C5ABD1D8E9
WCFVJ2	4270c26d07ebb4d295dc142c593f47c5abd1d8e9
WTK8BQ	4270c26d07ebb4d295dc142c593f47c5abd1d8e9
WV4LD7	4270c26d07ebb4d295dc142c593f47c5abd1d8e9
X8F7CT	4270c26d07ebb4d295dc142c593f47c5abd1d8e9
YGJTK	4270c26d07ebb4d295dc142c593f47c5abd1d8e9
Z3ENAH	4270c26d07ebb4d295dc142c593f47c5abd1d8e9
ZF6DAN	4270c26d07ebb4d295dc142c593f47c5abd1d8e9

Question 2: Provide the SHA1 hash for Smart Phones_PDAs_Generic Android.zip.

Consensus Result: 4270C26D07EBB4D295DC142C593F47C5ABD1D8E9

Expected Response Explanation:

The SHA256 digest is provided (in Smart Phones_PDAs_Generic Android.ufd) to ensure the participant obtained a valid download. Any reliable hashing tool can be used to calculate the SHA1 digest for the extracted file.

Expected Response Illustration:

PowerShell hash calculation of Smart Phones_PDAs_Generic Android.ufd

```
$ get-filehash -alg sha1 '.\Smart Phones_PDAs_Generic Android.zip'
```

Algorithm	Hash
SHA1	4270C26D07EBB4D295DC142C593F47C5ABD1D8E9

7zip utility hash calculation of Smart Phones_PDAs_Generic Android.zip

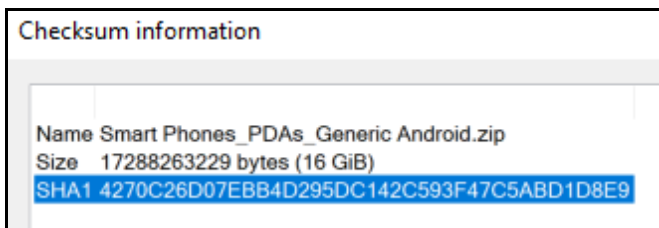


TABLE 1

Question 3 - Examination Questions

Question 3: What type of extraction was performed?

Manufacturer's Filesystem, or Filesystem [Android ADB]

Expected Response:

WebCode	Response
22HQDV	FileSystem
34Z6GW	File System
37XAJF	File System
3BYWKJ	File System
3DN6QE	File System [Android ADB]
3WZTHD	File System
4BX4KQ	File System Android ADB
4F7P9M	File System [Android ADB]
4MTC7E	File system (Android ADB)
4PBRDK	File System [Android ADB]
4PZPRL	File System [Android ADB]
4R2ZJF	File System [Android ADB]
4RM9TJ	File System [Android ADB]
4RZXXH	PDA's Generic Android File System (Android ADB)
4ZH8LE	File System
4ZHELK	File System Android ADB
64BVCK	File System (Android ADB)
6VGPHJ	File System Android ADB
724QKG	File System (Android ADB)
7AYVBX	Android (ADB)
7DY4HT	File System [Android ADB]
7HR4ZU	File System [Android ADB]
7YEGEM	File System
8C2ZHQ	File System
8CHAEX	File System [Android ADB]
9APXVH	File System [Android ADB]
9T9NG8	File System [Android ADB]
9V9MJN	File System Android ADB
AL2HWQ	File System [Android ADB]

TABLE 1

Question 3 - Examination Questions	
WebCode	Response
B8VLDN	File System [Android ADB]
BLTM3H	File System Android ADB
BMCKHP	File System [Android ADB]
BN2TNJ	FileSystem
CPVT8G	File System
CTTJ6F	File System
CV2RFK	File System [Android ADB]
CWRXUQ	File System [Android ADB]
CXQYZH	File System
E7PFFD	File System
EKCVEE	File System [Android ADB]
ELRXH9	File System
EP26TB	File System [Android ADB]
F7KHMT	File System [Android ADB]
F7KMVA	File System Android ADB
G7DUED	File System Android ADB
GAEYA7	File System [Android ADB]
GC46U4	Android Full File Sytem
GKJQXF	File System Android ADB
GLUQXF	File System Android ADB
GYGV7D	FileSystem
HHA2AW	FileSystem
HQJKEE	File System [Android ADB]
J2YUER	AFU
J6GR9A	File System [Android ADB]
JH6Y24	File System - ANDROID_FS
JHKHNM	File system
JQX7MV	Generic Android File System
JQZ7F4	FILE SYSTEM (ANDROID ADB)
JRDTXH	File System (Smart Phones/PDAs Generic Android File System [Android ADB])
JX2BEE	File System
K4H9HR	File System

TABLE 1

Question 3 - Examination Questions	
WebCode	Response
K9DZRA	File System
KG86LB	File System [Android ADB]
KUFQ8P	File System
LLYX3	File System
M6PCZ9	File System
M94ZK6	File System
MA4XY8	File System (Android ADB)
MQ7PTW	File System [Android ADB]
N87WK3	Physical
N8EREB	File System [Android ADB]
NWDCJ9	File System [Android ADB]
P3APJ7	File System
Q6T4M7	File System Android ADB
Q8LWHP	Generic Android- File System [Android ADB]
QH3LGU	File System
QLJ2QM	File System [Android ADB]
QMA86R	FileSystem
R3K7TP	File System
R3L9EM	File System [Android ADB]
RBEEDF	FileSystem
RBFD8N	File System
RVVC8P	File System
TJ4JKL	File System
TUL32X	FileSystem (ADB)
TWBC8R	FileSystem
U3C7KK	File System [Android ADB]
U3ZAFF	ADB FileSystem
U7WXU3	Filesystem
V3D6ET	Generic Android File System (Android ADB)
VENVYF	File system
VFK9L9	File System
VGQQK6	File System

TABLE 1

Question 3 - Examination Questions	
WebCode	Response
VHAF76	File System
W7B2LY	File System [Android ADB]
WB2HRX	File System Android ADB
WCFVJ2	File System
WTK8BQ	FileSystem Android Adb
WV4LD7	SmartPhone / PDAs Generic Android File System (Android ADB)
X8F7CT	File System [Android ADB]
YGJTK	Generic Android File System extraction with a UFED 4PC
Z3ENAH	File System [Android ADB]
ZF6DAN	File System

Question 3: What type of extraction was performed?

Consensus Result: Filesystem, or Filesystem [Android ADB]

Expected Response Explanation:

This value is recorded by the acquisition tool and stored in the .ufd file.

Expected Response Illustration:

Cellebrite Extraction Summary

Extraction start date/time	12/10/2022 6:35:22 PM(UTC-5)
Extraction end date/time	12/10/2022 6:54:04 PM(UTC-5)
Unit identifier	153336290
UFED version	7.59.0.128
Internal version	7.59.0.128
Selected manufacturer	Smart Phones/PDAs
Selected device name	Generic Android
Machine name	LAPTOP1
Extraction type	File System [Android ADB]
Extraction ID	BA557634-5490-4858-AB7E-0646EE4ABB8A
Extraction (UFD) file data integrity	Intact

TABLE 1

Question 4 - Examination Questions

Question 4: What is the version of extraction software used?

Manufacturer's 7.59.0.128

Expected Response:

WebCode	Response
22HQDV	7.59.0.128
34Z6GW	UFED 7.59.0.128
37XAJF	7.59.0.128
3BYWKJ	7.59.0.128
3DN6QE	7.59.0.128
3WZTHD	7.59.0.128
4BX4KQ	7.59.0.128
4F7P9M	7.59.0.128
4MTC7E	7.59.0.128
4PBRDK	7.59.0.128
4PZPRL	7.59.0.128
4R2ZJF	7.59.0.128
4RM9TJ	7.59.0.128
4RZXXH	7.59.0.128
4ZH8LE	7.59.0.128
4ZHELK	7.59.0.128
64BVCK	7.59.0.128
6VGPHJ	7.59.0.128
724QKG	UFED 7.59.0.128
7AYVBX	UFED Ver.7.59.0.128
7DY4HT	7.59.0.128
7HR4ZU	7.59.0.128
7YEGEM	7.59.0.128
8C2ZHQ	7.59.0.128
8CHAEX	7.59.0.128
9APXVH	7.59.0.128
9T9NG8	7.59.0.128
9V9MJN	7.59.0.128
AL2HWQ	7.59.0.128

TABLE 1

Question 4 - Examination Questions	
WebCode	Response
B8VLDN	7.59.0.128
BLTM3H	7.59.0.128
BMCKHP	7.59.0.128
BN2TNJ	7.59.0.128
CPVT8G	7.59.0.128
CTTJ6F	7.59.0.128
CV2RFK	7.59.0.128
CWRXUQ	7.59.0.128
CXQYZH	7.59.0.128
E7PFFD	7.59.0.128
EKCVEE	7.59.0.128
ELRXH9	7.59.0.128
EP26TB	7.59.0.128
F7KHMT	UFED Version 7.59.0.128
F7KMVA	7.59.0.128
G7DUED	7.59.0.128
GAEYA7	7.59.0.128
GC46U4	7.59.0.128
GKJQXF	7.59.0.128
GLUQXF	7.59.0.128
GYGV7D	7.59.0.128
HHA2AW	Version=7.59.0.128
HQJKEE	7.59.0.128
J2YUER	7.59.0.128
J6GR9A	UFED 4PC 7.59.0.128
JH6Y24	7.59.0.128
JHKHNM	7.59.0.128
JQX7MV	7.59.0.128
JQZ7F4	V 7.59.0.128
JRDTXH	7.59.0.128
JX2BEE	7.59.0.128
K4H9HR	7.59.0.128

TABLE 1

Question 4 - Examination Questions	
WebCode	Response
K9DZRA	Oxygen Forensic 15.3.1.145 - Cellebrite Physical Analyzer 7.57.0.51
KG86LB	7.59.0.128
KUFQ8P	7.59.0.128
LLYX3	7.59.0
M6PCZ9	7.59.0.128
M94ZK6	7.59.0.128
MA4XY8	7.59.0.128
MQ7PTW	7.59.0.128
N87WK3	UFED version: 7.59.0.128
N8EREB	UFED v7.59.0.128
NWDCJ9	7.59.0.128
P3APJ7	UFED 4PC 7.59.0.128
Q6T4M7	7.59.0.128
Q8LWHP	UFED 7.59.0.128
QH3LGU	7.59.0.128
QLJ2QM	7.59.0.128
QMA86R	7.59.0.128
R3K7TP	7.59.0.128
R3L9EM	7.59.0.128
RBEEDF	7.59.0.128
Rbfd8N	7.59.0.128
RVVC8P	UFED version 7.59.0.128
TJ4JKL	7.59.0.128
TUL32X	UFED 4PC V.7.59.0.128
TWBC8R	7.59.0.128
U3C7KK	7.59.0.128
U3ZAFF	7.59.0.128
U7WXU3	UFED 4PC 7.59.0.128
V3D6ET	UFED 7.59.0.128
VENVYF	7.59.0.128
VFK9L9	7.59.0.128
VGQQK6	UFED 7.59.0.128

TABLE 1

Question 4 - Examination Questions	
WebCode	Response
VHAF76	UFED 7.59.0.128
W7B2LY	7.59.0.128
WB2HRX	7.59.0.128
WCFVJ2	Version 7.59.0.128
WTK8BQ	UFED Version:7.59.0.128
WV4LD7	UFED 7.59.0.128
X8F7CT	7.59.0.128
YGJTK	7.59.0.128
Z3ENAH	7.59.0.128
ZF6DAN	7.59.0.128

Question 4: What is the version of extraction software used?

Consensus Result: 7.59.0.128

Expected Response Explanation:

This value is recorded by the acquisition tool and stored in the .ufd file.

Expected Response Illustration:

Smart Phones_PDAs_Generic Android.ufd

```

15 [General]
16 AcquisitionTool=UFED 4PC
17 Date=10/12/2022 18:35:22 (-5)
18 Device=ANDROID_GENERIC
19 EndTime=10/12/2022 18:54:04 (-5)
20 ExtractionNameFromXML=ADB
21 ExtractionType=FileSystem
22 FullName=Generic Android
23 GUID=BA557634-5490-4858-AB7E-0646EE4ABB8A
24 InternalBuild=7.59.0.128
25 MachineName=LAPTOP1
26 Model=Generic Android
27 UfdVer=1.2
28 UnitId=153336290
29 UserName=
30 Vendor=Smart Phones/PDAs
31 Version=7.59.0.128
    
```

TABLE 1

Question 5 - Examination Questions

Question 5: According to the metadata in the photos captured with this device, what make and model phone is this?

Manufacturer's Google Pixel 5

Expected Response:

WebCode	Response
22HQDV	Phone Make: Google, Phone Model: Pixel 5
34Z6GW	Phone Make: Google, Phone Model: Pixel 5
37XAJF	Phone Make: Google, Phone Model: Pixel 5
3BYWKJ	Phone Make: Google, Phone Model: Pixel 5
3DN6QE	Phone Make: Google, Phone Model: Pixel 5
3WZTHD	Phone Make: Google, Phone Model: Pixel 5
4BX4KQ	Phone Make: Google, Phone Model: Pixel 5
4F7P9M	Phone Make: Google, Phone Model: Pixel 5
4MTC7E	Phone Make: Google, Phone Model: Pixel 5
4PBRDK	Phone Make: Google, Phone Model: Pixel 5
4PZPRL	Phone Make: Google, Phone Model: Pixel 5
4R2ZJF	Phone Make: Make: Google, Phone Model: Model: Pixel 5
4RM9TJ	Phone Make: Google, Phone Model: Pixel 5
4RZXXH	Phone Make: Google, Phone Model: Pixel 5
4ZH8LE	Phone Make: Google, Phone Model: Pixel 5
4ZHELK	Phone Make: Google, Phone Model: Pixel 5
64BVCK	Phone Make: Google, Phone Model: Pixel 5
6VGPHJ	Phone Make: Google, Phone Model: Pixel 5
724QKG	Phone Make: Google, Phone Model: Pixel 5
7AYVBX	Phone Make: Google, Phone Model: Pixel 5
7DY4HT	Phone Make: Google, Phone Model: Pixel 5
7HR4ZU	Phone Make: Google, Phone Model: Pixel 5
7YEGEM	Phone Make: Google, Phone Model: Pixel 5
8C2ZHQ	Phone Make: Google, Phone Model: Pixel 5
8CHAEX	Phone Make: Google, Phone Model: Pixel 5
9APXVH	Phone Make: Google, Phone Model: Pixel 5
9T9NG8	Phone Make: Google, Phone Model: Pixel 5
9V9MJN	Phone Make: Google, Phone Model: Pixel 5
AL2HWQ	Phone Make: Google, Phone Model: Pixel 5

TABLE 1

Question 5 - Examination Questions	
WebCode	Response
B8VLDN	Phone Make: Google, Phone Model: Pixel 5
BLTM3H	Phone Make: Google, Phone Model: Pixel 5
BMCKHP	Phone Make: Google, Phone Model: Pixel 5
BN2TNJ	Phone Make: Phone Make: Google, Phone Model: Phone Model: Pixel 5
CPVT8G	Phone Make: Google, Phone Model: Pixel 5
CTTJ6F	Phone Make: Google, Phone Model: Pixel 5
CV2RFK	Phone Make: Google, Phone Model: Pixel 5
CWRXUQ	Phone Make: Google, Phone Model: Pixel 5
CXQYZH	Phone Make: Google, Phone Model: Pixel 5
E7PFFD	Phone Make: Google, Phone Model: Pixel 5
EKCVEE	Phone Make: Google, Phone Model: Pixel 5
ELRXH9	Phone Make: Google, Phone Model: Pixel 5
EP26TB	Phone Make: Google, Phone Model: Pixel 5
F7KHMT	Phone Make: Google, Phone Model: Pixel 5
F7KMVA	Phone Make: Google, Phone Model: Pixel 5
G7DUED	Phone Make: Google, Phone Model: Pixel 5
GAEYA7	Phone Make: Google, Phone Model: Pixel 5
GC46U4	Phone Make: Google, Phone Model: Pixel 5
GKJQXF	Phone Make: Google, Phone Model: Pixel 5
GLUQXF	Phone Make: Google, Phone Model: Pixel 5
GYGV7D	Phone Make: Google, Phone Model: Pixel 5
HHA2AW	Phone Make: Google, Phone Model: Pixel 5
HQJKEE	Phone Make: Google, Phone Model: Pixel 5
J2YUER	Phone Make: Google, Phone Model: Pixel 5
J6GR9A	Phone Make: Google, Phone Model: Pixel 5
JH6Y24	Phone Make: Google, Phone Model: Pixel 5
JHKHNM	Phone Make: Google, Phone Model: Pixel 5
JQX7MV	Phone Make: Google, Phone Model: Pixel 5
JQZ7F4	Phone Make: GOOGLE, Phone Model: PIXEL 5
JRDTXH	Phone Make: Google, Phone Model: Pixel 5
JX2BEE	Phone Make: Google, Phone Model: Pixel 5
K4H9HR	Phone Make: Google, Phone Model: Pixel 5

TABLE 1

Question 5 - Examination Questions	
WebCode	Response
K9DZRA	Phone Make: Google, Phone Model: Pixel 5
KG86LB	Phone Make: Google, Phone Model: Pixel 5
KUFQ8P	Phone Make: Google, Phone Model: Pixel 5
LLYX3	Phone Make: Google, Phone Model: Pixel 5
M6PCZ9	Phone Make: Google, Phone Model: Pixel 5
M94ZK6	Phone Make: Google, Phone Model: Pixel 5
MA4XY8	Phone Make: Google, Phone Model: Pixel 5
MQ7PTW	Phone Make: Google, Phone Model: Pixel
N87WK3	Phone Make: Google, Phone Model: Pixel 5
N8EREB	Phone Make: Google, Phone Model: Pixel 5
NWDCJ9	Phone Make: Google, Phone Model: Pixel 5
P3APJ7	Phone Make: Google, Phone Model: Pixel 5
Q6T4M7	Phone Make: Google, Phone Model: Pixel 5
Q8LWHP	Phone Make: Google, Phone Model: Pixel 5
QH3LGU	Phone Make: Google, Phone Model: Pixel 5
QLJ2QM	Phone Make: Google, Phone Model: Pixel 5
QMA86R	Phone Make: Google, Phone Model: Pixel 5
R3K7TP	Phone Make: Google, Phone Model: Pixel 5
R3L9EM	Phone Make: Google, Phone Model: Pixel 5
RBEEDF	Phone Make: Google, Phone Model: Pixel 5
RBFD8N	Phone Make: Google, Phone Model: Pixel 5
RVVC8P	Phone Make: Google, Phone Model: Pixel 5
TJ4JKL	Phone Make: Google, Phone Model: Pixel 5
TUL32X	Phone Make: Google, Phone Model: Pixel 5
TWBC8R	Phone Make: Google, Phone Model: Pixel 5
U3C7KK	Phone Make: Google, Phone Model: Pixel 5
U3ZAFF	Phone Make: Google, Phone Model: Pixel 5
U7WXU3	Phone Make: Google, Phone Model: Pixel 5
V3D6ET	Phone Make: Google, Phone Model: Pixel 5
VENVYF	Phone Make: Google, Phone Model: Pixel 5
VFK9L9	Phone Make: Google, Phone Model: Pixel 5
VGQQK6	Phone Make: Google, Phone Model: Pixel 5

TABLE 1

Question 5 - Examination Questions	
WebCode	Response
VHAF76	Phone Make: Google, Phone Model: Pixel 5
W7B2LY	Phone Make: Google, Phone Model: Pixel5
WB2HRX	Phone Make: Google, Phone Model: Pixel 5
WCFVJ2	Phone Make: Google, Phone Model: Pixel 5
WTK8BQ	Phone Make: Google, Phone Model: Pixel 5
WV4LD7	Phone Make: Pixel 5, Phone Model: Google
X8F7CT	Phone Make: Google, Phone Model: Pixel 5
YGJTK	Phone Make: Google, Phone Model: Pixel 5
Z3ENAH	Phone Make: Google, Phone Model: Pixel 5
ZF6DAN	Phone Make: Google, Phone Model: Pixel 5

Question 5: According to the metadata in the photos captured with this device, what make and model phone is this?

Consensus Result: Google Pixel 5

Expected Response Explanation:

Photos captured with this device are stored in /data/media/0/DCIM/Camera/. Any photo in this directory will contain EXIF data identifying the camera (phone) make and model.

Expected Response Illustration:

PXL_20221112_170233849.jpg

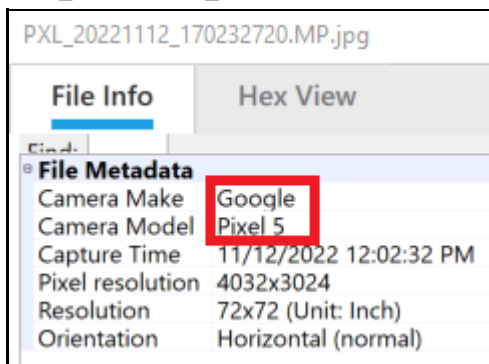


TABLE 1

Question 6 - Examination Questions	
------------------------------------	--

Question 6: What version of Android is running on this phone?

Manufacturer's 13

Expected Response:

WebCode	Response
22HQDV	13
34Z6GW	13
37XAJF	13
3BYWKJ	13
3DN6QE	13
3WZTHD	13
4BX4KQ	13
4F7P9M	13
4MTC7E	13
4PBRDK	13
4PZPRL	13
4R2ZJF	13
4RM9TJ	Android 13
4RZXXH	13
4ZH8LE	13
4ZHELK	13
64BVCK	13
6VGPHJ	13
724QKG	13
7AYVBX	13
7DY4HT	13
7HR4ZU	13
7YEGEM	13
8C2ZHQ	13
8CHAEX	13
9APXVH	13
9T9NG8	13
9V9MJN	13
AL2HWQ	13

TABLE 1

Question 6 - Examination Questions	
WebCode	Response
B8VLDN	13
BLTM3H	13
BMCKHP	13
BN2TNJ	13
CPVT8G	13
CTTJ6F	13
CV2RFK	13
CWRXUQ	13
CXQYZH	13
E7PFFD	13
EKCVEE	13
ELRXH9	13
EP26TB	13
F7KHMT	13
F7KMVA	13
G7DUED	13
GAEYA7	13
GC46U4	13
GKJQXF	13
GLUQXF	13
GYGV7D	13
HHA2AW	Version 13
HQJKEE	13
J2YUER	13
J6GR9A	Android 13
JH6Y24	13
JHKHNM	13
JQX7MV	13
JQZ7F4	ANDROID 13
JRDTXH	13
JX2BEE	13
K4H9HR	13

TABLE 1

Question 6 - Examination Questions	
WebCode	Response
K9DZRA	13
KG86LB	Android OS 13
KUFQ8P	13
LLYX3	13
M6PCZ9	13
M94ZK6	13
MA4XY8	Android 13
MQ7PTW	13
N87WK3	OS version: 13
N8EREB	13
NWDCJ9	13
P3APJ7	13
Q6T4M7	13
Q8LWHP	13
QH3LGU	13
QLJ2QM	13
QMA86R	13
R3K7TP	13
R3L9EM	13
RBEEDE	13
RBFD8N	13
RVC8P	13
TJ4JKL	13
TUL32X	13
TWBC8R	13
U3C7KK	13
U3ZAFF	Android 13
U7WXU3	13
V3D6ET	Android 13
VENVYF	13
VFK9L9	13
VGQQK6	13

TABLE 1

Question 6 - Examination Questions	
WebCode	Response
VHAF76	13
W7B2LY	13
WB2HRX	13
WCFVJ2	Android OS Version 13
WTK8BQ	13
WV4LD7	Android 13
X8F7CT	13
YGJTKK	13
Z3ENAH	13
ZF6DAN	13

Question 6: What version of Android is running on this phone?

Consensus Result: 13

Expected Response Explanation:

This value is stored in /system/build.prop.

Expected Response Illustration:

build.prop

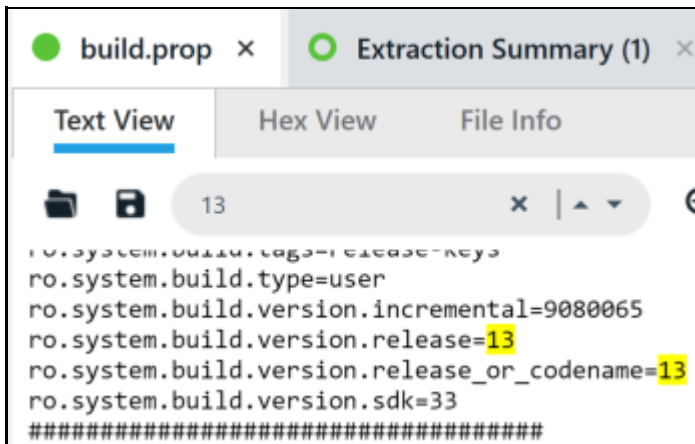


TABLE 1

Question 7 - Examination Questions

Question 7: What is the set time zone for this phone? (Provide answer in the format Continent/City e.g.: "Europe/Kiev").

Manufacturer's America/New_York

Expected Response:

WebCode	Response
22HQDV	America/New_York
34Z6GW	North America/New York
37XAJF	North America/New York
3BYWKJ	North America/New York or America/New_York
3DN6QE	US/Canada, Eastern Time Zone
3WZTHD	America/New York
4BX4KQ	North America/New York
4F7P9M	America/New York
4MTC7E	America/New_York
4PBRDK	America / New York
4PZPRL	America/New York
4R2ZJF	America/New York
4RM9TJ	America/New_York
4RZXXH	American/New_York
4ZH8LE	America/New_York
4ZHELK	America/New_York
64BVCK	America/New York
6VGPHJ	America/New_York
724QKG	America/New York
7AYVBX	America/New York
7DY4HT	America/New_York
7HR4ZU	America/New_York
7YEGEM	USA/New York
8C2ZHQ	America/New_York
8CHAEX	America/New York
9APXVH	America/New_York
9T9NG8	Unable to find
9V9MJN	America/New_York
AL2HWQ	America/New_York

TABLE 1

Question 7 - Examination Questions	
WebCode	Response
B8VLDN	America/New_York
BLTM3H	America/New York
BMCKHP	America/New York
BN2TNJ	America/New_York
CPVT8G	America/New_York
CTTJ6F	United States/New York
CV2RFK	America/New_York
CWRXUQ	America/New_York
CXQYZH	America/New_York
E7PFFD	America/New_York
EKCVEE	America/New_York
ELRXH9	North America/New York
EP26TB	America/New_York
F7KHMT	America / New York
F7KMVA	America/New_York
G7DUED	America/New_York
GAEYA7	America/New York
GC46U4	America/New York
GKJQXF	America/New_York
GLUQXF	America/New_York
GYGV7D	America/New_York
HHA2AW	Europe/ Dublin, Edinburgh, Lisbon, London
HQJKEE	America / New York
J2YUER	America/New_York
J6GR9A	America/New York
JH6Y24	America/New_York
JHKHNM	America / New york
JQX7MV	America/New_York
JQZ7F4	AMERICA / NEW YORK
JRDTXH	America/New_York
JX2BEE	America/New York
K4H9HR	America/New_York

TABLE 1

Question 7 - Examination Questions	
WebCode	Response
K9DZRA	America/New York
KG86LB	America/New York
KUFQ8P	America/New_York
LLYX3	North America/New York
M6PCZ9	USA/Chester
M94ZK6	America/New York
MA4XY8	America/New_York
MQ7PTW	America/New_York
N87WK3	America/New_York
N8EREB	America/New_York
NWDCJ9	America/New_York
P3APJ7	America/New York
Q6T4M7	America/New_York
Q8LWHP	America/New York
QH3LGU	America/New_York
QLJ2QM	America/New_York
QMA86R	America/New_York
R3K7TP	America/New_York
R3L9EM	America/New_York
RBEEDF	America/New_York
Rbfd8N	America/New York
RVVC8P	UTC -5:00
TJ4JKL	America/New_York
TUL32X	"America/New_York"
TWBC8R	America/New_York
U3C7KK	America/New_York
U3ZAFF	America/New_York
U7WXU3	America/NewYork
V3D6ET	America/New York
VENVYF	America/New York
VFK9L9	America/New_York
VGQQK6	(UTC-05:00) (America) New_York

TABLE 1

Question 7 - Examination Questions	
WebCode	Response
VHAF76	New_York (America) (UTC-05:00)
W7B2LY	America/New_York
WB2HRX	America/New_York
WCFVJ2	America/New_York
WTK8BQ	America/New-York
WV4LD7	American / New York
X8F7CT	America/New_York
YGJTK	America/New_York
Z3ENAH	America/New_York
ZF6DAN	America/New_York

Question 7: What is the set time zone for this phone? (Provide answer in the format Continent/City e.g.: "Europe/Kiev").

Consensus Result: America/New_York and any slight variations representing the same information.

Expected Response Explanation:

This information is stored in /data/property/persistent_properties.

Expected Response Illustration:

persistent_properties

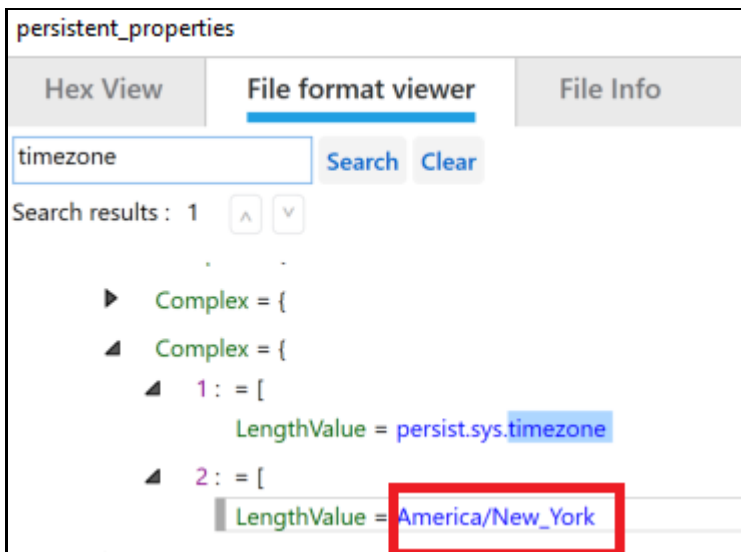


TABLE 1

Question 8 - Examination Questions	
------------------------------------	--

Question 8: Provide the device owner's (full) name (as registered in the Google account).

Manufacturer's Mitchell Michaels, or Mitchell D Michaels

Expected Response:

WebCode	Response
22HQDV	Mltchell Michaels
34Z6GW	Mitchell Michaels
37XAJF	Mltchell Michaels
3BYWKJ	Mltchell Michaels or Mitchell Michaels
3DN6QE	Mltchell Michaels
3WZTHD	Mltchell Michaels
4BX4KQ	Mltchell Michaels
4F7P9M	Mltchell Michaels
4MTC7E	Mltchell Michaels
4PBRDK	mitchelldmichaels@gmail.com
4PZPRL	Mltchell Michaels or Mitchell Michaels or Mitchell D. Michaels or Mltchell D. Michaels
4R2ZJF	Mltchell Michaels
4RM9TJ	Mltchell Michaels
4RZXXH	Mitchell Michaels
4ZH8LE	Mltchell Michaels
4ZHELK	Mltchell Michaels
64BVCK	Mitchell D Michaels
6VGPHJ	Mltchell Michaels
724QKG	Mltchell Michaels
7AYVBX	Mltchell Michaels
7DY4HT	Mltchell Michaels
7HR4ZU	Mltchell Michaels
7YEGEM	Mitchell Michaels
8C2ZHQ	Mltchell Michaels
8CHAEX	Mltchell Michaels
9APXVH	Mitchell D Michaels
9T9NG8	Mltchell Michaels
9V9MJN	Mltchell Michaels
AL2HWQ	Mltchell Michaels

TABLE 1

Question 8 - Examination Questions	
WebCode	Response
B8VLDN	Mitchell Michaels
BLTM3H	Mltchell Michaels
BMCKHP	Mltchell Michaels
BN2TNJ	Mltchell Michaels
CPVT8G	Mltchell Michaels
CTTJ6F	Mitchell Michaels
CV2RFK	Mltchell Michaels
CWRXUQ	Mltchell Michaels
CXQYZH	Mltchell Michaels
E7PFFD	Mitchell Michaels
EKCVEE	Mltchell Michaels
ELRXH9	Mltchell Michaels
EP26TB	Mltchell Michaels
F7KHMT	Mltchell Michaels
F7KMVA	Mltchell Michaels
G7DUED	Mltchell Michaels
GAEYA7	Mltchell Michaels or Mitchell Michaels or Mitchell D. Michaels or Mltchell D. Michaels
GC46U4	Mltchell Michaels
GKJQXF	Mltchell Michaels
GLUQXF	Mltchell Michaels
GYGV7D	Mltchell Michaels
HHA2AW	Mltchell Michaels
HQJKEE	Mltchell Michaels
J2YUER	Mltchell Michaels
J6GR9A	Mltchell Michaels
JH6Y24	Mltchell Michaels
JHKHNM	Mitchell Michaels
JQX7MV	Mltchell Michaels
JQZ7F4	MITCHELL MICHAELS
JRDTXH	Mltchell Michaels
JX2BEE	Mltchell Michaels
K4H9HR	Mltchell Michaels

TABLE 1

Question 8 - Examination Questions	
WebCode	Response
K9DZRA	Mitchell Michaels
KG86LB	Mltchell Michaels
KUFQ8P	Mltchell Michaels (The "i" in Mitchell is capitalized in the listed UserAccount.Name)
LLYX3	Mltchell Michaels
M6PCZ9	Mltchell Michaels
M94ZK6	Mltchell Michaels
MA4XY8	Mitchell Michaels
MQ7PTW	Mltchell Michaels
N87WK3	Mitchell Michaels
N8EREB	Mltchell Michaels
NWDCJ9	Mltchell Michaels
P3APJ7	Mltchell Michaels
Q6T4M7	Mltchell Michaels
Q8LWHP	Mltchell Michaels
QH3LGU	Mltchell Michaels
QLJ2QM	Mltchell Michaels
QMA86R	Mltchell Michaels
R3K7TP	Mltchell Michaels
R3L9EM	Mltchell Michaels
RBEEDF	Mltchell Michaels
Rbfd8N	Mitchell Michaels
RVC8P	Mitchell Michaels
TJ4JKL	Mltchell Michaels
TUL32X	Mltchell Michaels
TWBC8R	Mltchell Michaels
U3C7KK	Mltchell Michaels
U3ZAFF	Mltchell Michaels
U7WXU3	Mltchell Michaels
V3D6ET	Mltchell Michaels
VENVYF	Mltchell Michaels
VFK9L9	Mltchell Michaels
VGQQK6	Mitchell Michaels

TABLE 1

Question 8 - Examination Questions	
WebCode	Response
VHAF76	Mitchell Michaels
W7B2LY	Mltchell Michaels
WB2HRX	Mltchell Michaels
WCFVJ2	Mltchell Michaels
WTK8BQ	Mltchell Michaels
WV4LD7	Mitchell Michels
X8F7CT	Mltchell Michaels
YGJTK	Mltchell Michaels
Z3ENAH	Mltchell Michaels
ZF6DAN	Mltchell Michaels

Question 8: Provide the device owner’s (full) name (as registered in the Google account).

Consensus Result: Mltchell Michaels

Expected Response Explanation:

This information is located in multiple places including /data/system_ce/0/accounts_ce.db.

Expected Response Illustration:

Cellebrite User Accounts

The screenshot shows the 'User Accounts (165)' interface in Cellebrite. It features a table with columns for Username, Name, and Service Type. Two filters are applied. The table contains two entries for Mitchell Michaels, one with a 'com.google' service type and another with a 'google' service type.

Username	Name	Service Type
mitchelldmichaels@gma...	Mitchell Michaels	com.google
	Mitchell Michaels	google

TABLE 1

Question 9 - Examination Questions

Question 9: What is the account name (email address) for this device's google.com backup account?

Manufacturer's mitchelldmichaels@gmail.com

Expected Response:

WebCode	Response
22HQDV	mitchelldmichaels@gmail.com
34Z6GW	mitchelldmichaels@gmail.com
37XAJF	mitchelldmichaels@gmail.com
3BYWKJ	mitchelldmichaels@gmail.com
3DN6QE	mitchelldmichaels@gmail.com
3WZTHD	mitchelldmichaels@gmail.com
4BX4KQ	mitchelldmichaels@gmail.com
4F7P9M	mitchelldmichaels@gmail.com
4MTC7E	MitchellDMichaels@gmail.com
4PBRDK	MitchellMichaels.ACME@engineer.com
4PZPRL	mitchelldmichaels@gmail.com
4R2ZJF	mitchelldmichaels@gmail.com
4RM9TJ	Mitchelldmichaels@gmail.com
4RZXXH	mitchelldmichaels@gmail.com
4ZH8LE	mitchelldmichaels@gmail.com
4ZHELK	mitchelldmichaels@gmail.com
64BVCK	mitchelldmichaels@gmail.com
6VGPHJ	mitchelldmichaels@gmail.com
724QKG	mitchelldmichaels@gmail.com
7AYVBX	mitchelldmichaels@gmail.com
7DY4HT	mitchelldmichaels@gmail.com
7HR4ZU	mitchelldmichaels@gmail.com
7YEGEM	mitchelldmichaels@gmail.com
8C2ZHQ	mitchelldmichaels@gmail.com
8CHAEX	mitchelldmichaels@gmail.com
9APXVH	mitchelldmichaels@gmail.com
9T9NG8	mitchelldmichaels@gmail.com
9V9MJN	mitchelldmichaels@gmail.com
AL2HWQ	mitchelldmichaels@gmail.com

TABLE 1

Question 9 - Examination Questions	
WebCode	Response
B8VLDN	mitchelldmichaels@gmail.com
BLTM3H	mitchelldmichaels@gmail.com
BMCKHP	mitchelldmichaels@gmail.com
BN2TNJ	mitchelldmichaels@gmail.com
CPVT8G	mitchelldmichaels@gmail.com
CTTJ6F	mitchelldmichaels@gmail.com
CV2RFK	mitchelldmichaels@gmail.com
CWRXUQ	mitchelldmichaels@gmail.com
CXQYZH	mitchelldmichaels@gmail.com
E7PFFD	mitchelldmichaels@gmail.com
EKCVEE	mitchelldmichaels@gmail.com
ELRXH9	mitchelldmichaels@gmail.com
EP26TB	mitchelldmichaels@gmail.com
F7KHMT	mitchelldmichaels@gmail.com
F7KMVA	mitchelldmichaels@gmail.com
G7DUED	mitchelldmichaels@gmail.com
GAEYA7	mitchelldmichaels@gmail.com
GC46U4	mitchelldmichaels@gmail.com
GKJQXF	mitchelldmichaels@gmail.com
GLUQXF	mitchelldmichaels@gmail.com
GYGV7D	mitchelldmichaels@gmail.com
HHA2AW	mitchelldmichaels@gmail.com
HQJKEE	mitchelldmichaels@gmail.com
J2YUER	mitchelldmichaels@gmail.com
J6GR9A	mitchelldmichaels@gmail.com
JH6Y24	mitchelldmichaels@gmail.com
JHKHNM	mitchelldmichaels@gmail.com
JQX7MV	mitchelldmichaels@gmail.com
JQZ7F4	mitchelldmichaels@gmail.com
JRDTXH	mitchelldmichaels@gmail.com
JX2BEE	mitchelldmichaels@gmail.com
K4H9HR	mitchelldmichaels@gmail.com

TABLE 1

Question 9 - Examination Questions	
WebCode	Response
K9DZRA	mitchelldmichaels@gmail.com
KG86LB	mitchelldmichaels@gmail.com
KUFQ8P	mitchelldmichaels@gmail.com
LLYX3	mitchelldmichales@gmail.com
M6PCZ9	mitchelldmichaels@gmail.com
M94ZK6	mitchelldmichaels@gmail.com
MA4XY8	mitchelldmichaels@gmail.com
MQ7PTW	mitchelldmichaels@gmail.com
N87WK3	mitchelldmichaels@gmail.com
N8EREB	The Google One backup account is set to mitchelldmichaels@gmail.com
NWDCJ9	mitchelldmichaels@gmail.com
P3APJ7	mitchelldmichaels@gmail.com
Q6T4M7	mitchelldmichaels@gmail.com
Q8LWHP	Mitchelldmichaels@gmail.com
QH3LGU	mitchelldmichaels@gmail.com
QLJ2QM	mitchelldmichaels@gmail.com
QMA86R	mitchelldmichaels@gmail.com
R3K7TP	mitchelldmichaels@gmail.com
R3L9EM	mitchelldmichaels@gmail.com
RBEEDF	mitchelldmichaels@gmail.com
RBFD8N	mitchelldmichaels@gmail.com
RVVC8P	mitchelldmichaels@gmail.com
TJ4JKL	mitchelldmichaels@gmail.com
TUL32X	MitchellMichaels.ACME@engineer.com
TWBC8R	mitchelldmichaels@gmail.com
U3C7KK	mitchelldmichaels@gmail.com
U3ZAFF	mitchelldmichaels@gmail.com
U7WXU3	Mitchelldmichaels@gmail.com
V3D6ET	mitchelldmichaels@gmail.com
VENVYF	mitchelldmichaels@gmail.com
VFK9L9	mitchelldmichaels@gmail.com
VGQQK6	mitchelldmichaels@gmail.com

TABLE 1

Question 9 - Examination Questions	
WebCode	Response
VHAF76	mitchelldmichaels@gmail.com
W7B2LY	mitchelldmichaels@gmail.com
WB2HRX	mitchelldmichaels@gmail.com
WCFVJ2	mitchelldmichaels@gmail.com
WTK8BQ	mitchelldmichaels@gmail.com
WV4LD7	mitchelldmichaels@gmail.com
X8F7CT	mitchelldmichaels@gmail.com
YGJTKT	MitchellMichaels.ACME@engineer.com
Z3ENAH	mitchelldmichaels@gmail.com
ZF6DAN	mitchelldmichaels@gmail.com

Question 9: What is the account name (email address) for this device’s google.com backup account?

Consensus Result: mitchelldmichaels@gmail.com

Expected Response Explanation:

This information is stored in /data/data/com.google.android.gms/shared_prefs/BackupAccount.xml.

Expected Response Illustration:

BackupAccount.xml

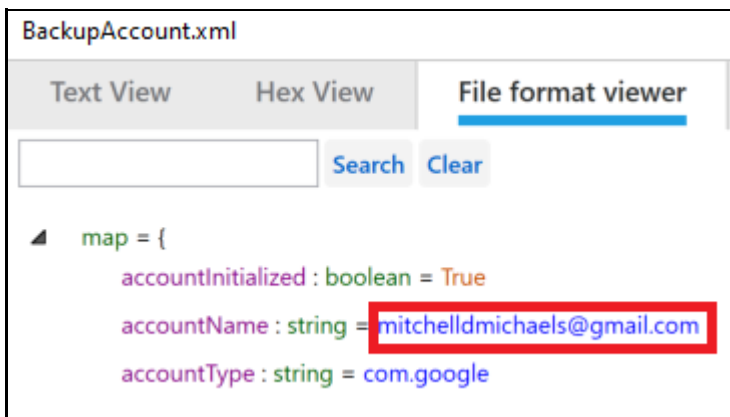


TABLE 1

Question 10 - Examination Questions

Question 10: What is the Default Gateway MAC Address of the Wifi Hotspot named "Target Guest Wi-Fi" (connected to by this phone)?

Manufacturer's e0:55:3d:4c:2b:08

Expected Response:

WebCode	Response
22HQDV	e0:55:3d:4c:2b:08
34Z6GW	e0:55:3d:4c:2b:08
37XAJF	e0:55:3d:4c:2b:08
3BYWKJ	e0:55:3d:4c:2b:08
3DN6QE	e0:55:3d:4c:2b:08
3WZTHD	e0:55:3d:4c:2b:08
4BX4KQ	e0:55:3d:4c:2b:08
4F7P9M	e0:55:3d:4c:2b:08
4MTC7E	0:55:3d:4c:2b:08
4PBRDK	e0:55:3d:4c:2b:08
4PZPRL	e0:55:3d:4c:2b:08
4R2ZJF	e0:55:3d:4c:2b:08
4RM9TJ	e0:55:3d:4c:2b:08
4RZXXH	e0:55:3d:4c:2b:08
4ZH8LE	e0:55:3d:4c:2b:08
4ZHELK	e0:55:3d:4c:2b:08
64BVCK	e0:55:3d:4c:2b:08
6VGPHJ	e0:55:3d:4c:2b:08
724QKG	e0:55:3d:4c:2b:08
7AYVBX	e0:55:3d:4c:2b:08
7DY4HT	e0:55:3d:4c:2b:08
7HR4ZU	e0:55:3d:4c:2b:08
7YEGEM	e0:55:3d:4c:2b:08
8C2ZHQ	e0:55:3d:4c:2b:08
8CHAEX	e0:55:3d:4c:2b:08
9APXVH	e0:55:3d:4c:2b:08
9T9NG8	Unable to find
9V9MJN	e0:55:3d:4c:2b:08
AL2HWQ	e0:55:3d:4c:2b:08

TABLE 1

Question 10 - Examination Questions	
WebCode	Response
B8VLDN	e0:55:3d:4c:2b:08
BLTM3H	e0:55:3d:4c:2b:08
BMCKHP	e0:55:3d:4c:2b:08
BN2TNJ	e0:55:3d:4c:2b:08
CPVT8G	e0:55:3d:4c:2b:08
CTTJ6F	e0:55:3d:4c:2b:08
CV2RFK	e0:55:3d:4c:2b:08
CWRXUQ	e0:55:3d:4c:2b:08
CXQYZH	e0:55:3d:4c:2b:08
E7PFFD	e0:55:3d:4c:2b:08
EKCVEE	e0:55:3d:4c:2b:08
ELRXH9	e0:55:3d:4c:2b:08
EP26TB	e0:55:3d:4c:2b:08
F7KHMT	e0:55:3d:4c:2b:08
F7KMVA	e0:55:3d:4c:2b:08
G7DUED	e0:55:3d:4c:2b:08
GAEYA7	e0:55:3d:4c:2b:08
GC46U4	e0:55:3d:4c:2b:08
GKJQXF	e0:55:3d:4c:2b:08
GLUQXF	e0:55:3d:4c:2b:08
GYGV7D	e0:55:3d:4c:2b:08
HHA2AW	e0:55:3d:4c:2b:08
HQJKEE	e0:55:3d:4c:2b:08
J2YUER	e0:55:3d:4c:2b:08
J6GR9A	e0:55:3d:4c:2b:08
JH6Y24	e0:55:3d:4c:2b:08
JHKHNM	e0:55:3d:4c:2b:08
JQX7MV	e0:55:3d:4c:2b:08
JQZ7F4	e0:55:3d:4c:2b:08
JRDTXH	e0:55:3d:4c:2b:08
JX2BEE	e0:55:3d:4c:2b:08
K4H9HR	e0:55:3d:4c:2b:08

TABLE 1

Question 10 - Examination Questions	
WebCode	Response
K9DZRA	e0:55:3d:4c:2b:08
KG86LB	e0:55:3d:4c:2b:08
KUFQ8P	e0:55:3d:4c:2b:08
LLYX3	Not within laboratory's scope
M6PCZ9	e0:55:3d:4c:2b:08
M94ZK6	e0:55:3d:4c:2b:08
MA4XY8	E0:55:3D:4C:2B:08
MQ7PTW	e0:55:3d:4c:2b:08
N87WK3	e0:55:3d:4c:2b:08
N8EREB	e0:55:3d:4c:2b:08
NWDCJ9	e0:55:3d:4c:2b:08
P3APJ7	e0:55:3d:4c:2b:08
Q6T4M7	e0:55:3d:4c:2b:08
Q8LWHP	e0:55:3d:4c:2b:08
QH3LGU	e0:55:3d:4c:2b:08
QLJ2QM	e0:55:3d:4c:2b:08
QMA86R	e0:55:3d:4c:2b:08
R3K7TP	e0:55:3d:4c:2b:08
R3L9EM	e0:55:3d:4c:2b:08
RBEEDE	e0:55:3d:4c:2b:08
Rbfd8N	e0:55:3d:4c:2b:08
RVVC8P	Not within laboratory's scope
TJ4JKL	e0:55:3d:4c:2b:08
TUL32X	e0:55:3d:4c:2b:08
TWBC8R	e0:55:3d:4c:2b:08
U3C7KK	e0:55:3d:4c:2b:08
U3ZAFF	e0:55:3d:4c:2b:08
U7WXU3	e0:55:3d:4c:2b:08
V3D6ET	e0:55:3d:4c:2b:08
VENVYF	e0:55:3d:4c:2b:08
VFK9L9	e0:55:3d:4c:2b:08
VGQQK6	e0:55:3d:4c:2b:08

TABLE 1

Question 10 - Examination Questions	
WebCode	Response
VHAF76	e0:55:3d:4c:2b:08
W7B2LY	e0:55:3d:4c:2b:08
WB2HRX	e0:55:3d:4c:2b:08
WCFVJ2	e0:55:3d:4c:2b:08
WTK8BQ	e0:55:3d:4c:2b:08
WV4LD7	e0:55ed:4c:2b:08
X8F7CT	e0:55:3d:4c:2b:08
YGJTK	e0:55:3d:4c:2b:08
Z3ENAH	e0:55:3d:4c:2b:08
ZF6DAN	e0:55:3d:4c:2b:08

Question 10: What is the Default Gateway MAC Address of the Wifi Hotspot named "Target Guest Wi-Fi" (connected to by this phone)?

Consensus Result: e0:55:3d:4c:2b:08

Expected Response Explanation:

This information is stored in data/misc/wifi/WifiConfigStore.xml.

Expected Response Illustration:

WifiConfigStore.xml

```

WifiConfigStore.xml
Text View Hex View File format viewer
WifiConfigStoreData = [
  int = Null
  WifiCarrierInfoStoreManagerDataStores = [
  NetworkList = [
    Network = [
      WifiConfiguration = [
        string = "Target Guest Wi-Fi"NONE
        string = "Target Guest Wi-Fi"
        string = e0:55:3d:4c:2b:08
        Attributes = {
          name : = DefaultGwMacAddress
        }
      ]
    ]
  ]
]
    
```

TABLE 1

Question 11 - Examination Questions

Question 11: This phone was configured with “B2EMO” as the mobile hotspot WiFi SSID. What is the passphrase?

Manufacturer's youdontneedapassword

Expected Response:

WebCode	Response
22HQDV	youdontneedapassword
34Z6GW	NONE
37XAJF	youdontneedapassword
3BYWKJ	youdontneedapassword
3DN6QE	youdontneedapassword
3WZTHD	youdontneedapassword
4BX4KQ	youdontneedpassword
4F7P9M	youdontneedapassword
4MTC7E	youdontneedapassword
4PBRDK	youdontneedapassword
4PZPRL	youdontneedapassword
4R2ZJF	youdontneedapassword
4RM9TJ	youdontneedapassword
4RZXXH	youdontneedapasword
4ZH8LE	youdontneedapassword
4ZHELK	youdontneedapassword
64BVCK	youdontneedapassword
6VGPHJ	youdontneedapassword
724QKG	youdontneedapassword
7AYVBX	youdontneedapassword
7DY4HT	youdontneedapassword
7HR4ZU	youdontneedapassword
7YEGEM	
8C2ZHQ	youdontneedapassword
8CHAEX	youdontneedapassword
9APXVH	youdontneedapassword
9T9NG8	Unable to find
9V9MJN	youdontneedapassword
AL2HWQ	youdontneedapassword

TABLE 1

Question 11 - Examination Questions	
WebCode	Response
B8VLDN	youdontneedapassword
BLTM3H	youdontneedapassword
BMCKHP	youdontneedapassword
BN2TNJ	youdontneedapassword
CPVT8G	youdontneedapassword
CTTJ6F	youdontneedapassword
CV2RFK	youdontneedapassword
CWRXUQ	youdontneedapassword
CXQYZH	youdontneedapassword
E7PFFD	youdontneedapassword
EKCVEE	Youdontneedapassword
ELRXH9	youdontneedapassword
EP26TB	youdontneedapassword
F7KHMT	youdontneedapassword
F7KMVA	youdontneedapassword
G7DUED	youdontneedapassword
GAEYA7	youdontneedapassword
GC46U4	youdontneedapassword
GKJQXF	youdontneedapassword
GLUQXF	youdontneedapassword
GYGV7D	youdontneedapassword
HHA2AW	youdontneedapassword
HQJKEE	youdontneedapassword
J2YUER	youdontneedapassword
J6GR9A	Youdontneedapassword
JH6Y24	youdontneedapassword
JHKHNM	youdontneedapassword
JQX7MV	youdontneedapassword
JQZ7F4	youdontneedapassword
JRDTXH	youdontneedapassword
JX2BEE	youdontneedapassword
K4H9HR	youdontneedapassword

TABLE 1

Question 11 - Examination Questions	
WebCode	Response
K9DZRA	youdontneedapassword
KG86LB	youdontneedapassword
KUFQ8P	youdontneedapassword
LLYX3	Not within laboratory's scope
M6PCZ9	youdontneedpassword
M94ZK6	youdontneedapassword
MA4XY8	youdontneedapassword
MQ7PTW	youdontneedapassword
N87WK3	youdontneedapassword
N8EREB	youdontneedapassword
NWDCJ9	youdontneedapassword
P3APJ7	youdontneedapassword
Q6T4M7	youdontneedapassword
Q8LWHP	youdontneedapassword
QH3LGU	youdontneedapassword
QLJ2QM	youdontneedapassword
QMA86R	youdontneedapassword
R3K7TP	youdontneedapassword
R3L9EM	youdontneedapassword
RBEEDF	youdontneedapassword
Rbfd8N	youdontneedapassword
RVC8P	Not within laboratory's scope
TJ4JKL	youdontneedapassword
TUL32X	youdontneedapassword
TWBC8R	youdontneedapassword
U3C7KK	youdontneedapassword
U3ZAFF	youdontneedapassword
U7WXU3	youdontneedapassword
V3D6ET	youdontneedapassword
VENVYF	youdontneedapassword
VFK9L9	youdontneedapassword
VGQQK6	None

TABLE 1

Question 11 - Examination Questions	
WebCode	Response
VHAF76	N/A
W7B2LY	youdontneedapassword
WB2HRX	youdontneedapassword
WCFVJ2	youdontneedapassword
WTK8BQ	youdontneedapassword
WV4LD7	youdontneedapassword
X8F7CT	youdontneedapassword
YGJTK	youdontneedapassword
Z3ENAH	youdontneedapassword
ZF6DAN	youdontneedapassword

Question 11: This phone was configured with “B2EMO” as the mobile hotspot WiFi SSID. What is the passphrase?

Consensus Result: youdontneedapassword and any slight variations, if they were easily identified as a spelling error.

Expected Response Explanation:

This information is stored in /data/misc/apexdata/com.android.wifi/WifiConfigStoreSoftAp.xml.

Expected Response Illustration:

WifiConfigStore.xml

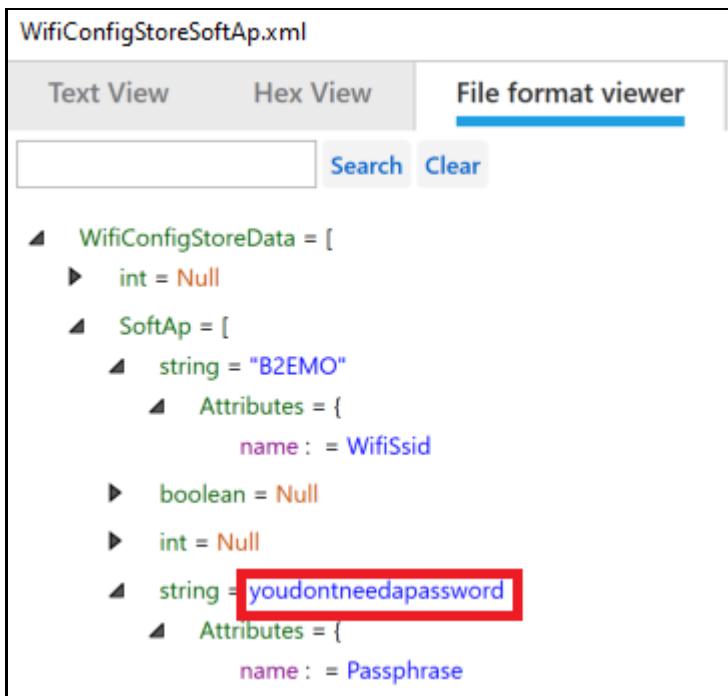


TABLE 1

Question 12 - Examination Questions

Question 12: What is the name of the Bluetooth device with MAC Address a2:9d:fe:97:be:53?

Manufacturer's MONSTER WBA9-1008

Expected Response:

WebCode	Response
22HQDV	MONSTER WBA9-1008
34Z6GW	MONSTER WBA9-1008
37XAJF	MONSTER WBA9-1008
3BYWKJ	MONSTER WBA9-1008
3DN6QE	MONSTER WBA9-1008
3WZTHD	MONSTER WBA9-1008
4BX4KQ	MONSTER WBA9-1008
4F7P9M	MONSTER WBA9-1008
4MTC7E	MONSTER WBA9-1008
4PBRDK	MONSTER WBA9-1008
4PZPRL	MONSTER WBA9-1008
4R2ZJF	MONSTER WBA9-1008
4RM9TJ	MONSTER WBA9-1008
4RZXXH	MONSTER WBA9-1008
4ZH8LE	MONSTER WBA9-1008
4ZHELK	MONSTER WBA9-1008
64BVCK	MONSTER WBA9-1008
6VGPHJ	MONSTER WBA9-1008
724QKG	MONSTER WBA9-1008
7AYVBX	MONSTER WBA9-1008
7DY4HT	MONSTER WBA9-1008
7HR4ZU	MONSTER WBA9-1008
7YEGEM	MONSTER WBA9-1008
8C2ZHQ	MONSTER WBA9-1008
8CHAEX	MONSTER WBA9-1008
9APXVH	MONSTER WBA9-1008
9T9NG8	MONSTER WBA9-1008
9V9MJN	MONSTER WBA9-1008
AL2HWQ	MONSTER WBA9-1008

TABLE 1

Question 12 - Examination Questions	
WebCode	Response
B8VLDN	MONSTER WBA9-1008
BLTM3H	MONSTER WBA9-1008
BMCKHP	MONSTER WBA9-1008
BN2TNJ	MONSTER WBA9-1008
CPVT8G	MONSTER WBA9-1008
CTTJ6F	MONSTER WBA9-1008
CV2RFK	MONSTER WBA9-1008
CWRXUQ	MONSTER WBA9-1008
CXQYZH	MONSTER WBA9-1008
E7PFFD	MONSTER WBA9-1008
EKCVEE	MONSTER WBA9-1008
ELRXH9	MONSTER WBA9-1008
EP26TB	MONSTER WBA9-1008
F7KHMT	MONSTER WBA9-1008
F7KMVA	MONSTER WBA9-1008
G7DUED	MONSTER WBA9-1008
GAEYA7	MONSTER WBA9-1008
GC46U4	MONSTER WBA9-1008
GKJQXF	MONSTER WBA9-1008
GLUQXF	MONSTER WBA9-1008
GYGV7D	MONSTER WBA9-1008
HHA2AW	MONSTER WBA9-1008, Wearable Headset Device
HQJKEE	MONSTER WBA9-1008
J2YUER	MONSTER WBA9-1008
J6GR9A	MONSTER WBA9-1008
JH6Y24	MONSTER WBA9-1008
JHKHNM	MONSTER WBA9-1008
JQX7MV	MONSTER WBA9-1008
JQZ7F4	MONSTER WBA9-1008
JRDTXH	MONSTER WBA9-1008
JX2BEE	MONSTER WBA9-1008
K4H9HR	MONSTER WBA9-1008

TABLE 1

Question 12 - Examination Questions	
WebCode	Response
K9DZRA	MONSTER WBA9-1008
KG86LB	MONSTER WBA9-1008
KUFQ8P	MONSTER WBA9-1008
LLYX3	Monster WBA9-1008
M6PCZ9	MONSTER WBA9-1008
M94ZK6	MONSTER WBA9-1008
MA4XY8	MONSTER WBA9-1008
MQ7PTW	MONSTER WBA9-1008
N87WK3	MONSTER WBA9-1008
N8EREB	MONSTER WBA9-1008
NWDCJ9	MONSTER WBA9-1008
P3APJ7	MONSTER WBA9-1008
Q6T4M7	MONSTER WBA9-1008
Q8LWHP	MONSTER WBA9-1008
QH3LGU	MONSTER WBA9-1008
QLJ2QM	MONSTER WBA9-1008
QMA86R	MONSTER WBA9-1008
R3K7TP	MONSTER WBA9-1008
R3L9EM	MONSTER WBA9-1008
RBEEFD	MONSTER WBA9-1008
Rbfd8N	MONSTER WBA9-1008
RVVC8P	MONSTER WBA9-1008
TJ4JKL	MONSTER WBA9-1008
TUL32X	MONSTER WBA9-1008
TWBC8R	MONSTER WBA9-1008
U3C7KK	MONSTER WBA9-1008
U3ZAFF	MONSTER WBA9-1008
U7WXU3	MONSTER WBA9-1008
V3D6ET	MONSTER WBA9-1008
VENVYF	MONSTER WBA9-1008
VFK9L9	MONSTER WBA9-1008
VGQQK6	MONSTER WBA9-1008

TABLE 1

Question 12 - Examination Questions	
WebCode	Response
VHAF76	MONSTER WBA9-1008
W7B2LY	MONSTER WBA9-1008
WB2HRX	MONSTER WBA9-1008
WCFVJ2	MONSTER WBA9-1008
WTK8BQ	MONSTER WBA9-1008
WV4LD7	Monster WBA9-1008
X8F7CT	MONSTER WBA9-1008
YGJTK	MONSTER WBA9-1008
Z3ENAH	MONSTER WBA9-1008
ZF6DAN	MONSTER WBA9-1008

Question 12: What is the name of the Bluetooth device with MAC Address a2:9d:fe:97:be:53?

Consensus Result: MONSTER WBA9-1008

Expected Response Explanation:

This information is stored in /data/misc/bluedroid/bt_config.conf.

Expected Response Illustration:

bt_config.conf

```
[a2:9d:fe:97:be:53]
Timestamp = 1670709323
Name = MONSTER WBA9-1008
DevClass = 3350324
```

TABLE 1

Question 13 - Examination Questions

Question 13: What is the user's username (email address) for the Mail.com app?

Manufacturer's MitchellMichaels.ACME@engineer.com

Expected Response:

WebCode	Response	** Inconsistencies not highlighted; No consensus achieved **
22HQDV	MitchellMichaels.ACME@engineer.com	
34Z6GW	MitchellMichaels.AMCE@mail.com	
37XAJF	MitchellMichaels.ACME@engineer.com	
3BYWKJ	MitchellMichaels.ACME@engineer.com	
3DN6QE	MitchellMichaels.ACME@engineer.com	
3WZTHD	MitchellMichaels.ACME@engineer.com	
4BX4KQ	MitchellMichaels.ACME@mail.com	
4F7P9M	MitchellMichaels.ACME@engineer.com	
4MTC7E	MitchellMichaels.ACME@engineer.com	
4PBRDK	MitchellMichaels.ACME@mail.com	
4PZPRL	MitchellMichaels.ACME@engineer.com	
4R2ZJF	MitchellMichaels.ACME@engineer.com	
4RM9TJ	MitchellMichaels.ACME@engineer.com	
4RZXXH	MichellMichaels.ACME@engineer.com	
4ZH8LE	MitchellMichaels.ACME@engineer.com	
4ZHELK	mitchelldmichaels@mail.com	
64BVCK	MitchellMichaels.ACME@engineer.com	
6VGPHJ	MitchellMichaels@mail.com	
724QKG	MitchellMichaels.ACME@engineer.com	
7AYVBX	mitchelldmichaels@gmail.com	
7DY4HT	MitchellMichaels.ACME@engineer.com	
7HR4ZU	MitchellMichaels.ACME@engineer.com	
7YEGEM	MitchellDMichaels@gmail.com	
8C2ZHQ	mitchelldmichaels@gmail.com	
8CHAEX	MitchellMichaels.ACME@engineer.com	
9APXVH	MitchellMichaels.ACME@engineer.com	
9T9NG8	MitchellMichaels.ACME@engineer.com	
9V9MJN	MitchellMichaels.ACME	
AL2HWQ	MitchellMichaels.ACME@engineer.com	

TABLE 1

Question 13 - Examination Questions		
WebCode	Response	** Inconsistencies not highlighted; No consensus achieved **
B8VLDN	MitchellMichaels.ACME@engineer.com; MitchellMichaels.ACME	
BLTM3H	MitchellMichaels.ACME@engineer.com	
BMCKHP	MitchellMichaels.ACME@engineer.com	
BN2TNJ	MitchellMichaels.ACME@engineer.com	
CPVT8G	MitchellMichaels.ACME@engineer.com	
CTTJ6F	MitchellMichaels.ACME@engineer.com	
CV2RFK	MitchellMichaels.ACME@engineer.com	
CWRXUQ	MitchellMichaels.ACME@engineer.com	
CXQYZH	MitchellMichaels.ACME@engineer.com	
E7PFFD	MitchellMichaels.ACME@engineer.com	
EKCVEE	MitchellMichaels.ACME@mail.com	
ELRXH9	MitchellMichaels.ACME	
EP26TB	MitchellMichaels.ACME@engineer.com	
F7KHMT	mitchellmichaels.ACME@engineer.com	
F7KMVA	Mitchellmichaels.acme@mail.com	
G7DUED	MitchellMichaels.ACME@mail.com	
GAEYA7	MitchellMichaels.ACME@engineer.com	
GC46U4	Mitchell.Michaels.ACME@engineer.com	
GKJQXF	mitchellmichaels@gmail.com	
GLUQXF	MitchellMichaels.ACME	
GYGV7D	MitchellMichaels.ACME@engineer.com	
HHA2AW	mitchellmichaels@gmail.com	
HQJKEE	MitchellMichaels.ACME@engineer.com	
J2YUER	MitchelMichaels.ACME@engineer.com	
J6GR9A	MitchellMichaels.ACME@engineer.com	
JH6Y24	MitchellMichaels.ACME@engineer.com	
JHKHNM	MitchellMichaels.ACME@engineer.com	
JQX7MV	Mitchell.Michaels.ACME@engineer.com	
JQZ7F4	MitchellMichaels.ACME@engineer.com	
JRDTXH	MitchellMichaels.ACME@engineer.com	
JX2BEE	MitchellMichaels.ACME@engineer.com	
K4H9HR	MitchellMichaels.ACME@engineer.com	

TABLE 1

Question 13 - Examination Questions		
WebCode	Response	** Inconsistencies not highlighted; No consensus achieved **
K9DZRA	mitchellMichaels.ACME@engineer.com	
KG86LB	mitchellMichaels.ACME@engineer.com	
KUFQ8P	MitchellMichaels.ACME@engineer.com	
LLYX3	ewilliams@wrga.gov	
M6PCZ9	MitchellMichaels.ACME@engineer.com	
M94ZK6	MitchellMichaels.ACME@engineer.com	
MA4XY8	MitchellMichaels.ACME@engineer.com	
MQ7PTW	MitchellMichaels.ACME@engineer.com	
N87WK3	MitchellMichaels.ACME@engineer.com	
N8EREB	MitchellMichaels.ACME@engineer.com	found within: com.mail.mobile.android.mail
NWDCJ9	MitchellMichaels.ACME@engineer.com	
P3APJ7	MitchellMichaels.ACME@engineer.com	
Q6T4M7	MitchellMichaels.ACME	
Q8LWHP	mitchellmichaels.ACME@engineer.com	
QH3LGU	MitchellMichaels.ACME@engineer.com	
QLJ2QM	MitchellMichaels.ACME@engineer.com	
QMA86R	MitchellMichaels.ACME@engineer.com	
R3K7TP	MitchellMichaels.ACME@engineer.com	
R3L9EM	mitchelldmichaels@gmail.com	
RBEEDF	MitchellMichaels.ACME@mail.com	
Rbfd8N	MitchellMichaels.ACME@engineer.com	
RVVC8P	MitchellMichaels.ACME@engineer.com	
TJ4JKL	MitchellMichaels.ACME@engineer.com	
TUL32X	MitchellMichaels.ACME@engineer.com	
TWBC8R	MitchellMichaels.ACME@engineer.com	
U3C7KK	MitchellMichaels.ACME@engineer.com	
U3ZAFF	MitchellMichaels.ACME@engineer.com	
U7WXU3	MitchellMichaels.ACME@engineer.com	
V3D6ET	MitchellMichaels.ACME@engineer.com	
VENVYF	MitchellMichaels.ACME@engineer.com	
VFK9L9	MitchellMichaels.ACME@engineer.com	
VGQQK6	MitchellMichaels.AMCE@mail.com	

TABLE 1

Question 13 - Examination Questions	
WebCode	Response
VHAF76	MitchellMichaels.AMCE@mail.com
W7B2LY	MitchellMichaels.ACME@engineer.com
WB2HRX	MitchellMichaels.ACME@mail.com
WCFVJ2	MitchellMichaels.ACME@engineer.com
WTK8BQ	MitchellMichaels.ACME@engineer.com
WV4LD7	MitchellMichaels.ACME@engineer.com
X8F7CT	MitchellMichaels.ACME@engineer.com
YGJTK	MitchellMichaels.ACME@engineer.com
Z3ENAH	MitchellMichaels.ACME@engineer.com
ZF6DAN	MitchellMichaels.ACME@engineer.com

Question 13: What is the user’s username (email address) for the Mail.com app?

Consensus Result: A consensus was not achieved. Approximately 74% of participants reported the expected email address. Variations of the expected email address were reported by four participants and another four did not report the domain portion of the email address. Nine reported "MitchellMichaels.ACME@mail.com" and six reported "mitchelldmichaels@gmail.com."

Expected Response Explanation:

Configuration settings and preferences for the mail.com app are stored in /data/data/com.mail.mobile.android.mail/databases/identity_db. The configured email address is in the “Identity” table.

Expected Response Illustration:

/data/data/com.mail.mobile.android.mail/databases/identity_db

The screenshot shows a forensic tool interface with a table view of the 'identity' database. The table has the following data:

id	accountId	name	email	isDef...	isDef...	hasPGPE...	type	uri
1	1	Mitchell Michaels	MitchellMichaels.ACME@engineer.com	1	1	0	MANAGED	emailaddresses/MitchellMichaels.ACME%40engineer.com

TABLE 1

Question 14 - Examination Questions

Question 14: What is the filename and extension of the file containing the word ornimegalonyx? (i.e., name.extension)

Manufacturer's laser_test_rr copy.mp4

Expected Response:

WebCode	Response
22HQDV	laser_test_rr copy.mp4
34Z6GW	laser_test_rrcopy.mp4
37XAJF	laser_test_rr copy.mp4
3BYWKJ	laser_test_rr copy.mp4
3DN6QE	laser_test_rr copy.mp4
3WZTHD	laser_test_rr copy.mp4
4BX4KQ	Laser_test_rrcopy.mp4
4F7P9M	laser_test_rr copy.mp4
4MTC7E	Laser_test_rr cop.mp4
4PBRDK	laser_test_rr copy.mp4
4PZPRL	laser_test_rr copy.mp4
4R2ZJF	laser_test_rr copy.mp4
4RM9TJ	laser_test_rr copy.mp4
4RZXXH	laser_test_rr copy.mp4
4ZH8LE	laser_test_rr copy.mp4
4ZHELK	laser_test_rr copy.mp4
64BVCK	laser_test_rr copy.mp4
6VGPHJ	laser_test_rr copy.mp4
724QKG	laser_test_rr copy.mp4
7AYVBX	
7DY4HT	laser_test_rr copy.mp4
7HR4ZU	laser_test_rr copy.mp4
7YEGEM	
8C2ZHQ	laser_test_rr copy.mp4
8CHAEX	laser_test_rr copy.mp4
9APXVH	laser_test_rr copy.mp4
9T9NG8	Unable to find
9V9MJN	laser_test_rr copy.mp4
AL2HWQ	laser_test_rr copy.mp4

TABLE 1

Question 14 - Examination Questions	
WebCode	Response
B8VLDN	laser_test_rr copy.mp4
BLTM3H	laser_test_rr copy.mp4
BMCKHP	laser_test_rr copy.mp4
BN2TNJ	laser_test_rr copy.mp4
CPVT8G	laser_test_rr copy.mp4
CTTJ6F	play-category-snapshot.csv
CV2RFK	laser_test_rr copy.mp4
CWRXUQ	laser_test_rr copy.mp4
CXQYZH	laser_test_rr copy.mp4
E7PFFD	laser_test_rr copy.mp4
EKCVEE	laser_test_rr copy.mp4
ELRXH9	file not located
EP26TB	laser_test_rr copy.mp4
F7KHMT	laser_test_rr copy.mp4
F7KMVA	laser_test_rr copy.mp4
G7DUED	laser_test_rr copy.mp4
GAEYA7	laser_test_rr copy.mp4
GC46U4	laser_test_rr copy.mp4
GKJQXF	laser_test_rr copy.mp4
GLUQXF	laser_test_rr copy.mp4
GYGV7D	laser_test_rr copy.mp4
HHA2AW	laser_test_rr copy.mp4
HQJKEE	laser_test_rr copy.mp4
J2YUER	
J6GR9A	laser_test_rr copy.mp4
JH6Y24	laser_test_rr copy.mp4
JHKHNM	laser_test_rr copy.mp4
JQX7MV	laser_test_rrcopy.mp4
JQZ7F4	LASER_TEST_RR COPY.MP4 FILE
JRDTXH	laser_test_rr copy.mp4
JX2BEE	laser_test_rr_copy.mp4
K4H9HR	laser_test_rr copy.mp4

TABLE 1

Question 14 - Examination Questions	
WebCode	Response
K9DZRA	laser_test_rr copy.mp4
KG86LB	laser_test_rr copy.mp4
KUFQ8P	laser_test_rr copy.mp4
LLYX3	Not within laboratory's scope
M6PCZ9	Laser_test_rrcopy.mp4
M94ZK6	laser_test_rr copy.mp4
MA4XY8	Shark_With_Laser.jpg
MQ7PTW	laser_test_rr copy.mp4
N87WK3	laser_test_rr copy.mp4
N8EREB	laser_test_rr copy.mp4 Found within: Google Photos mitchelldmichaels@gmail.com/local media/laser_test_rr copy.mp4
NWDCJ9	laser_test_rr copy.mp4
P3APJ7	laser_test_rr copy.mp4
Q6T4M7	laser_test_rr copy.mp4
Q8LWHP	laser_test_rr copy.mp4
QH3LGU	laser_test_rr copy.mp4
QLJ2QM	laser_test_rr copy.mp4
QMA86R	laser_test_rr copy.mp4
R3K7TP	laser_test_rr copy.mp4
R3L9EM	laser_test_rr copy.mp4
RBEEDF	laser_test_rr copy.mp4
Rbfd8N	laser_test_rr copy.mp4
RVC8P	Not within laboratory's scope
TJ4JKL	laser_test_rr copy.mp4
TUL32X	laser_test_rr copy.mp4
TWBC8R	laser_test_rr copy.mp4
U3C7KK	laser_test_rr copy.mp4
U3ZAFF	laser_test_rr copy.mp4
U7WXU3	laser_test_rr copy.mp4
V3D6ET	laser_test_rr copy.mp4
VENVYF	laser_test_rr copy.mp4
VFK9L9	laser_test_rr copy.mp4
VGQQK6	laser_test_rrcopy.mp4

TABLE 1

Question 14 - Examination Questions	
WebCode	Response
VHAF76	laser_test_rrcopy.mp4
W7B2LY	laser_test_rr copy.mp4
WB2HRX	laser_test_rr copy.mp4
WCFVJ2	laser_test_rr copy.mp4
WTK8BQ	laser_test_rr copy.mp4
WV4LD7	FileName: laser_test_rr copy.mp4 Extension: Smart Phones_PDAs_Generic Android.zip\Dump\data\media\0\Download\laser_test_rr copy.mp4
X8F7CT	laser_test_rr copy.mp4
YGJTK	laser_test_rr copy.mp4
Z3ENAH	laser_test_rr copy.mp4
ZF6DAN	laser_test_rr copy.mp4

Question 14: What is the filename and extension of the file containing the word ornimegalonyx? (i.e., name.extension)

Consensus Result: laser_test_rr copy.mp4 and any slight variations, if they were easily identified as a spelling or formatting error.

Expected Response Explanation:

A keyword search of all file content in the extraction will discover the file /data/media/0/Download/laser_test_rr copy.mp4. This file is a video file containing this word at the end.

Expected Response Illustration:

laser_test_rr copy.mp4

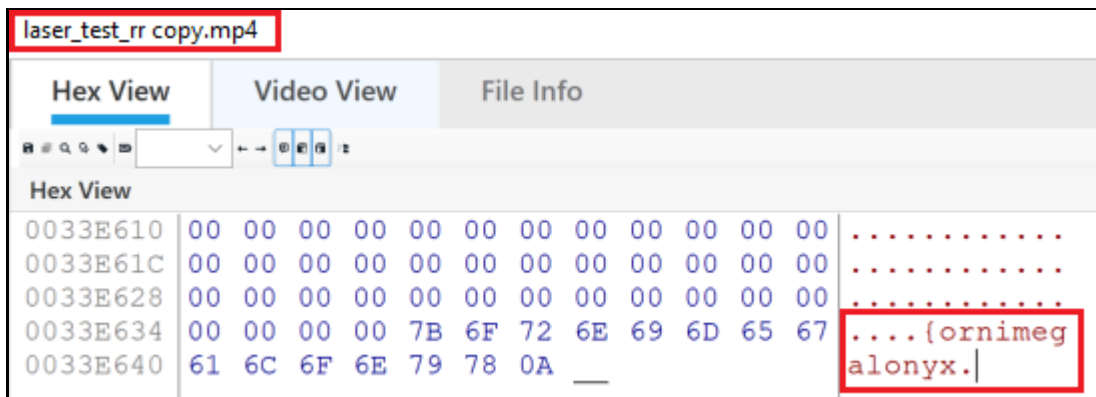


TABLE 1

Question 15 - Examination Questions

Question 15: What is the SHA256 hash of the file with MD5 hash 4fd1e07bef0e2a6461f363fd61b51873 (or SHA1 756E41BF0AB32C105897B7FFD8B538083327B8E2)?

Manufacturer's Expected Response: 1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697

WebCode	Response
22HQDV	1a80418905970f0747f2b257bde5e4b6345499dca4a4931c3925185bd3596697
34Z6GW	1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697
37XAJF	1a80418905970f0747f2b257bde5e4b6345499dca4a4931c3925185bd3596697
3BYWKJ	1a80418905970f0747f2b257bde5e4b6345499dca4a4931c3925185bd3596697
3DN6QE	1a80418905970f0747f2b257bde5e4b6345499dca4a4931c3925185bd3596697
3WZTHD	1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697
4BX4KQ	1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697
4F7P9M	1a80418905970f0747f2b257bde5e4b6345499dca4a4931c3925185bd3596697
4MTC7E	1a80418905970f0747f2b257bde5e4b6345499dca4a4931c3925185bd3596697
4PBRDK	1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697
4PZPRL	1a80418905970f0747f2b257bde5e4b6345499dca4a4931c3925185bd3596697
4R2ZJF	SHA256: 1a80418905970f0747f2b257bde5e4b6345499dca4a4931c3925185bd3596697
4RM9TJ	1a80418905970f0747f2b257bde5e4b6345499dca4a4931c3925185bd3596697
4RZXXH	1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697
4ZH8LE	1a80418905970f0747f2b257bde5e4b6345499dca4a4931c3925185bd3596697
4ZHELK	1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697
64BVCK	991D5D768464DA90395E96BB95F2232FF8B77D84DD93311F886B35CEDD04F2A6
6VGPJH	1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697
724QKG	1a80418905970f0747f2b257bde5e4b6345499dca4a4931c3925185bd3596697
7AYVBX	1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697
7DY4HT	1a80418905970f0747f2b257bde5e4b6345499dca4a4931c3925185bd3596697
7HR4ZU	1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697
7YEGEM	36e3feaf5b3e8102b4ce2e939a0588ab
8C2ZHQ	1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697
8CHAEX	1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697
9APXVH	1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697
9T9NG8	1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697
9V9MJN	1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697

TABLE 1

Question 15 - Examination Questions	
WebCode	Response
AL2HWQ	1a80418905970f0747f2b257bde5e4b6345499dca4a4931c3925185bd3596697
B8VLDN	1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697
BLTM3H	1a80418905970f0747f2b257bde5e4b6345499dca4a4931c3925185bd3596697
BMCKHP	1a80418905970f0747f2b257bde5e4b6345499dca4a4931c3925185bd3596697
BN2TNJ	1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697
CPVT8G	1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697
CTTJ6F	b9a52cb2945e0d56218611204443774adb133a89dc9d0a8090c47e68609e6df8
CV2RFK	1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697
CWRXUQ	1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697
CXQYZH	SHA256: 1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697
E7PFFD	1a80418905970f0747f2b257bde5e4b6345499dca4a4931c3925185bd3596697
EKCVEE	1a80418905970f0747f2b257bde5e4b6345499dca4a4931c3925185bd3596697
ELRXH9	1a80418905970f0747f2b257bde5e4b6345499dca4a4931c3925185bd3596697
EP26TB	1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697
F7KHMT	1a80418905970f0747f2b257bde5e4b6345499dca4a4931c3925185bd3596697
F7KMVA	1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697
G7DUED	1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697
GAEYA7	1a80418905970f0747f2b257bde5e4b6345499dca4a4931c3925185bd3596697
GC46U4	1a80418905970f0747f2b257bde5e4b6345499dca4a4931c3925185bd3596697
GKJQXF	1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697
GLUQXF	1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697
GYGV7D	1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697
HHA2AW	1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697
HQJKEE	1a80418905970f0747f2b257bde5e4b6345499dca4a4931c3925185bd3596697
J2YUER	1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697
J6GR9A	1a80418905970f0747f2b257bde5e4b6345499dca4a4931c3925185bd3596697
JH6Y24	1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697
JHKHNM	1a80418905970074726257bde5e466345499dca4 4931c3925185b3596697
JQX7MV	1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697
JQZ7F4	1a80418905970f0747f2b257bde5e4b6345499dca4a4931c3925185bd3596697
JRDTXH	1a80418905970f0747f2b257bde5e4b6345499dca4a4931c3925185bd3596697
JX2BEE	1a80418905970f0747f2b257bde5e4b6345499dca4a4931c3925185bd3596697

TABLE 1

Question 15 - Examination Questions	
WebCode	Response
K4H9HR	1a80418905970f0747f2b257bde5e4b6345499dca4a4931c3925185bd3596697
K9DZRA	1a80418905970f0747f2b257bde5e4b6345499dca4a4931c3925185bd3596697
KG86LB	1a80418905970f0747f2b257bde5e4b6345499dca4a4931c3925185bd3596697
KUFQ8P	1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697
LLYX3	1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697
M6PCZ9	1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697
M94ZK6	1a80418905970f0747f2b257bde5e4b6345499dca4a4931c3925185bd3596697
MA4XY8	1a80418905970f0747f2b257bde5e4b6345499dca4a4931c3925185bd3596697
MQ7PTW	1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697
N87WK3	1a80418905970f0747f2b257bde5e4b6345499dca4a4931c3925185bd3596697
N8EREB	1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697
NWDCJ9	1a80418905970f0747f2b257bde5e4b6345499dca4a4931c3925185bd3596697
P3APJ7	1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697
Q6T4M7	1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697
Q8LWHP	1a80418905970f0747f2b257bde5e4b6345499dca4a4931c3925185bd3596697
QH3LGU	1a80418905970f0747f2b257bde5e4b6345499dca4a4931c3925185bd3596697
QLJ2QM	1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697
QMA86R	1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697
R3K7TP	1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697
R3L9EM	1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697
RBEEEDF	1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697
RBFD8N	3c71b9c1eac1d11a52a7115e7f7ef2806f9333027f3e046772230dc0c1d9108d
RVVC8P	1a80418905970f0747f2b257bde5e4b6345499dca4a4931c3925185bd3596697
TJ4JKL	1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697
TUL32X	1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697
TWBC8R	1a80418905970f0747f2b257bde5e4b6345499dca4a4931c3925185bd3596697
U3C7KK	1a80418905970f0747f2b257bde5e4b6345499dca4a4931c3925185bd3596697
U3ZAFF	1a80418905970f0747f2b257bde5e4b6345499dca4a4931c3925185bd3596697
U7WXU3	1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697
V3D6ET	1a80418905970f0747f2b257bde5e4b6345499dca4a4931c3925185bd3596697
VENVYF	1a80418905970f0747f2b257bde5e4b6345499dca4a4931c3925185bd3596697
VFK9L9	1a80418905970f0747f2b257bde5e4b6345499dca4a4931c3925185bd3596697

TABLE 1

Question 15 - Examination Questions	
WebCode	Response
VGQQK6	1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697
VHAF76	1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697
W7B2LY	4fd1e07bef0e2a6461f363fd61b51873
WB2HRX	1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697
WCFVJ2	1a80418905970f0747f2b257bde5e4b6345499dca4a4931c3925185bd3596697
WTK8BQ	1a80418905970f0747f2b257bde5e4b6345499dca4a4931c3925185bd3596697
WV4LD7	1a80418905970f0747f2b257bde5e4b6345499dca4a4931c3925185bd3596697
X8F7CT	1a80418905970f0747f2b257bde5e4b6345499dca4a4931c3925185bd3596697
YGJKTK	1a80418905970f0747f2b257bde5e4b6345499dca4a4931c3925185bd3596697
Z3ENAH	1a80418905970f0747f2b257bde5e4b6345499dca4a4931c3925185bd3596697
ZF6DAN	1a80418905970f0747f2b257bde5e4b6345499dca4a4931c3925185bd3596697

Question 15: What is the SHA256 hash of the file with MD5 hash 4fd1e07bef0e2a6461f363fd61b51873 (or SHA1 756E41BF0AB32C105897B7FFD8B538083327B8E2)?

Consensus Result: 1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697

Expected Response Explanation:

Searching files by the hash provided will discover multiple copies of laser_test_rr copy.mp4. The SHA256 hash can be computed after exporting the file from the extraction.

Expected Response Illustration:

laser_test_rr copy.mp4

```

Windows PowerShell
$ Get-FileHash '.\laser_test_rr copy.mp4'

Algorithm      Hash
-----
SHA256         1A80418905970F0747F2B257BDE5E4B6345499DCA4A4931C3925185BD3596697
    
```

TABLE 1

Question 16 - Examination Questions

Question 16: What time of day is mentioned in the Google Voice voicemail message received December 9, 2022?

Manufacturer's seven o'clock

Expected Response:

WebCode	Response
22HQDV	Seven o'clock (07:00)
34Z6GW	7:00
37XAJF	7pm
3BYWKJ	7:00, could be AM or PM
3DN6QE	7:00
3WZTHD	7:00
4BX4KQ	07 PM
4F7P9M	7:00
4MTC7E	7:00
4PBRDK	seven o'clock
4PZPRL	7:00
4R2ZJF	7 O'clock
4RM9TJ	7:00
4RZXXH	07:00
4ZH8LE	7:00
4ZHELK	07:00 pm
64BVCK	7:00
6VGPHJ	7 pm
724QKG	7 o'clock
7AYVBX	7.00
7DY4HT	7 o'clock
7HR4ZU	7 o'clock
7YEGEM	7.00
8C2ZHQ	7pm
8CHAEX	7:00
9APXVH	7 o'clock
9T9NG8	7:00
9V9MJN	7 pm
AL2HWQ	Seven o'clock

TABLE 1

Question 16 - Examination Questions	
WebCode	Response
B8VLDN	7:00
BLTM3H	7:00
BMCKHP	7:00 [7 o'clock]
BN2TNJ	Seven o'clock
CPVT8G	7 o'clock / 7:00
CTTJ6F	7:00
CV2RFK	7:00
CWRXUQ	7 O'Clock
CXQYZH	7 o'clock
E7PFFD	7
EKCVEE	7:00
ELRXH9	7:00
EP26TB	7:00
F7KHMT	"7 O'Clock"
F7KMVA	7:00
G7DUED	19:00
GAEYA7	7:00
GC46U4	7:00
GKJQXF	9:53:57 PM(UTC+0)
GLUQXF	7 PM
GYGV7D	7:00
HHA2AW	7 o'clock
HQJKEE	7 o'clock
J2YUER	7:00
J6GR9A	7 o'clock
JH6Y24	7:00
JHKHNM	7:00
JQX7MV	7:00
JQZ7F4	7PM / 19:00:00 (UTC+0)
JRDTXH	7.00
JX2BEE	7:00
K4H9HR	7 o'clock

TABLE 1

Question 16 - Examination Questions	
WebCode	Response
K9DZRA	7
KG86LB	7 o'clock
KUFQ8P	7:00
LLYX3	7:00 PM
M6PCZ9	9:53:45PM
M94ZK6	7:00
MA4XY8	7:00
MQ7PTW	7:00
N87WK3	7:00
N8EREB	7 o'clock (07:00)
NWDCJ9	7:00
P3APJ7	7 O'Clock
Q6T4M7	7 pm
Q8LWHP	7 O'clock
QH3LGU	7 O'Clock
QLJ2QM	7:00
QMA86R	7:00
R3K7TP	7:00
R3L9EM	7 o'clock
RBEEDF	7 O'clock
Rbfd8N	7 o'clock
RVC8P	7 o'clock
TJ4JKL	7:00
TUL32X	Seven o'clock
TWBC8R	7:00
U3C7KK	7:00
U3ZAFF	"seven o'clock"
U7WXU3	7 O'Clock
V3D6ET	7 O'clock
VENVYF	7:00
VFK9L9	7:00
VGQQK6	7:00

TABLE 1

Question 16 - Examination Questions	
WebCode	Response
VHAF76	7:00
W7B2LY	7:00
WB2HRX	7 O'clock
WCFVJ2	7:00
WTK8BQ	7 o'clock
WV4LD7	seven o'clock
X8F7CT	7 o'clock
YGJTK	7 o'clock
Z3ENAH	7 o'clock
ZF6DAN	7:00

Question 16: What time of day is mentioned in the Google Voice voicemail message received December 9, 2022?

Consensus Result: 7:00 and variations representing the same information.

Expected Response Explanation:

Google Voice messages are stored in /data/data/com.google.android.apps.googlevoice/cache/audio/PCIFFCTSZK5LU4VSMKRBRUBQIAUIAKIAC.mp3 is the only one with a date stamp of 12/9/2022

When played, the mp3 contains the spoken words, "Hey Mitch, I'm running a little late. Let's push to 7 o'clock. Let me know."

Expected Response Illustration:

Cellebrite Audio table view showing files modified 12/9/2022

The screenshot shows the Cellebrite Audio table view interface. At the top, there are tabs for 'Table View' and 'Folder View'. Below these are navigation buttons and a search bar. A table lists files with columns for Name, Path, and Size (bytes). The file 'PCIFFCTSZK5LU4VSMKRBRUBQIAUIAKIAC.mp3' is highlighted with a red box. Other files listed include 'com.google.android.tts', 'com.google.android.libraries.search.audio.device#c...', and 'com.google.android.apps.search.transcription.uide...'. The interface also shows '1 Filters applied' and 'Clear filters' options.

Name	Path	Size (bytes)
PCIFFCTSZK5LU4VSMKRBRUBQIAUIAKIAC.mp3	Smart Phones_PDAs_Generic Android.zip/d...	20831
com.google.android.tts	Smart Phones_PDAs_Generic Android.zip/d...	44
com.google.android.libraries.search.audio.device#c...	Smart Phones_PDAs_Generic Android.zip/d...	293
com.google.android.apps.search.transcription.uide...	Smart Phones_PDAs_Generic Android.zip/d...	257

TABLE 1

Question 17 - Examination Questions

Question 17: From whom (full contact name) did the device owner receive a message regarding something called "crossbow" ?

Manufacturer's Chris Knight

Expected Response:

WebCode	Response
22HQDV	Chris Knight
34Z6GW	Chris Knight
37XAJF	Chris Knight
3BYWKJ	Chris Knight
3DN6QE	Chris Knight
3WZTHD	Chris Knight
4BX4KQ	Chris Knight
4F7P9M	Chris Knight
4MTC7E	Chris Knight
4PBRDK	Chris Knight
4PZPRL	Chris Knight
4R2ZJF	Chris Knight +14087212143
4RM9TJ	Chris Knight
4RZXXH	Chris Knight
4ZH8LE	Chris Knight
4ZHELK	Chris Knight
64BVCK	Chris Knight
6VGPHJ	Chris Knight
724QKG	Chris Knight
7AYVBX	Chris Knight
7DY4HT	Chris Knight
7HR4ZU	Chris Knight
7YEGEM	Chris Knight
8C2ZHQ	Chris Knight
8CHAEX	Chris Knight
9APXVH	Chris Knight
9T9NG8	Chris Knight
9V9MJN	Chris Knight
AL2HWQ	Chris Knight

TABLE 1

Question 17 - Examination Questions	
WebCode	Response
B8VLDN	Chris Knight
BLTM3H	Chris Knight
BMCKHP	Chris Knight
BN2TNJ	Chris Knight
CPVT8G	Chris Knight
CTTJ6F	Chris Knight
CV2RFK	Chris Knight
CWRXUQ	Chris Knight
CXQYZH	Chris Knight
E7PFFD	Chris Knight
EKCVEE	Chris Knight
ELRXH9	Chris Knight
EP26TB	Chris Knight
F7KHMT	Chris Knight
F7KMVA	Chris Knight
G7DUED	Chris Knight
GAEYA7	Chris Knight
GC46U4	Chris Knight
GKJQXF	Chris Knight
GLUQXF	Chris Knight
GYGV7D	Chris Knight
HHA2AW	Chris Knight
HQJKEE	Chris Knight
J2YUER	Chris Knight
J6GR9A	Chris Knight
JH6Y24	Chris Knight
JHKHNM	Chris Knight
JQX7MV	Chris Knight
JQZ7F4	CHRIS KNIGHT
JRDTXH	Chris Knight
JX2BEE	Chris Knight
K4H9HR	Chris Knight

TABLE 1

Question 17 - Examination Questions	
WebCode	Response
K9DZRA	Chris Knight
KG86LB	Chris Knight
KUFQ8P	Chris Knight
LLYX3	Chris Knight
M6PCZ9	Chris Knight
M94ZK6	Chris Knight
MA4XY8	Chris Knight
MQ7PTW	Chris Knight
N87WK3	Chris Knight
N8EREB	Chris Knight
NWDCJ9	Chris Knight
P3APJ7	Chris Knight
Q6T4M7	Chris Knight
Q8LWHP	Chris Knight
QH3LGU	Chris Knight
QLJ2QM	Chris Knight
QMA86R	Chris Knight
R3K7TP	Chris Knight
R3L9EM	Chris Knight
RBEEDF	Chris Knight
RBFD8N	Chris Knight
RVVC8P	Chris Knight
TJ4JKL	Chris Knight
TUL32X	Chris Knight
TWBC8R	Chris Knight
U3C7KK	Chris Knight
U3ZAFF	Chris Knight
U7WXU3	Chris Knight
V3D6ET	Chris Knight
VENVYF	Chris Knight
VFK9L9	Chris Knight
VGQQK6	Chris Knight

TABLE 1

Question 17 - Examination Questions	
WebCode	Response
VHAF76	Chris Knight
W7B2LY	Chris Knight
WB2HRX	Chris Knight
WCFVJ2	Chris Knight
WTK8BQ	Chris Knight
WV4LD7	Chris Knight
X8F7CT	Chris Knight
YGJTK	Chris Knight
Z3ENAH	Chris Knight
ZF6DAN	Chris Knight

Question 17: From whom (full contact name) did the device owner receive a message regarding something called "crossbow" ?

Consensus Result: Chris Knight

Expected Response Explanation:

A search of messages for the keyword crossbow discovers the relevant SMS message stored in data/data/com.android.providers.telephony/databases/mmssms.db.

Expected Response Illustration:

Cellebrite conversation view

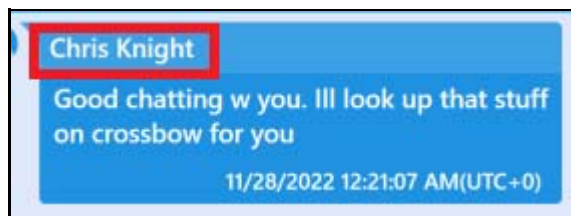


TABLE 1

Question 18 - Examination Questions	
-------------------------------------	--

Question 18: Who (full contact name) did the device owner call on 8 December 2022 (12/8/2022) 6:49:39 PM(UTC+0)?

Manufacturer's Chris Knight

Expected Response:

WebCode	Response
22HQDV	Chris Knight
34Z6GW	Chris Knight
37XAJF	Chris Knight
3BYWKJ	Chris Knight
3DN6QE	Chris Knight
3WZTHD	Chris Knight
4BX4KQ	Chris Knight
4F7P9M	Chris Knight
4MTC7E	Chris Knight
4PBRDK	Chris Knight
4PZPRL	Chris Knight
4R2ZJF	Chris Knight
4RM9TJ	Chris Knight
4RZXXH	Chris Knight
4ZH8LE	Chris Knight
4ZHELK	Chris Knight
64BVCK	Chris Knight
6VGPHJ	Chris Knight
724QKG	Chris Knight
7AYVBX	Chris Knight
7DY4HT	Chris Knight
7HR4ZU	Chris Knight
7YEGEM	Chris Knight
8C2ZHQ	Chris Knight
8CHAEX	Chris Knight
9APXVH	Chris Knight
9T9NG8	Chris Knight
9V9MJN	Chris Knight
AL2HWQ	4087212143 Chris Knight

TABLE 1

Question 18 - Examination Questions	
WebCode	Response
B8VLDN	Chris Knight
BLTM3H	Chris Knight
BMCKHP	Chris Knight
BN2TNJ	Chris Knight
CPVT8G	Chris Knight
CTTJ6F	Chris Knight
CV2RFK	Chris Knight
CWRXUQ	Chris Knight
CXQYZH	Chris Knight
E7PFFD	Chris Knight
EKCVEE	Chris Knight
ELRXH9	Chris Knight
EP26TB	Chris Knight
F7KHMT	Chris Knight
F7KMVA	Chris Knight
G7DUED	Chris Knight
GAEYA7	Chris Knight
GC46U4	Chris Knight
GKJQXF	Chris Knight
GLUQXF	Chris Knight
GYGV7D	Chris Knight
HHA2AW	Chris Knight
HQJKEE	Chris Knight
J2YUER	Chris Knight
J6GR9A	Chris Knight
JH6Y24	Chris Knight
JHKHNM	Chris Knight
JQX7MV	Chris Knight
JQZ7F4	CHRIS KNIGHT
JRDTXH	Chris Knights
JX2BEE	Chris Knight
K4H9HR	Chris Knight

TABLE 1

Question 18 - Examination Questions	
WebCode	Response
K9DZRA	Chris Knight
KG86LB	Chris Knight
KUFQ8P	Chris Knight
LLYX3	Chris Knight
M6PCZ9	Chris Knight
M94ZK6	Chris Knight
MA4XY8	Chris Knight
MQ7PTW	4087212143 Chris Knight
N87WK3	Chris Knight
N8EREB	Chris Knight
NWDCJ9	Chris Knight
P3APJ7	Chris Knight
Q6T4M7	Chris Knight
Q8LWHP	Chris Knight
QH3LGU	Chris Knight
QLJ2QM	Chris Knight
QMA86R	Chris Knight
R3K7TP	Chris Knight
R3L9EM	Chris Knight
RBEEDF	Chris Knight
Rbfd8N	Chris Knight
RVC8P	Chris Knight
TJ4JKL	Chris Knight
TUL32X	Chris Knight
TWBC8R	Chris Knight
U3C7KK	Chris Knight
U3ZAFF	Chris Knight
U7WXU3	Chris Knight
V3D6ET	Chris Knight
VENVYF	Chris Knight
VFK9L9	Chris Knight
VGQQK6	Chris Knight

TABLE 1

Question 18 - Examination Questions	
WebCode	Response
VHAF76	Chris Knight
W7B2LY	Chris Knight
WB2HRX	Chris Knight
WCFVJ2	Chris Knight
WTK8BQ	Chris Knight
WV4LD7	Chris Knight
X8F7CT	Chris Knight
YGJTK	Chris Knight
Z3ENAH	Chris Knight
ZF6DAN	Chris Knight

Question 18: Who (full contact name) did the device owner call on 8 December 2022 (12/8/2022) 6:49:39 PM(UTC+0)?

Consensus Result: Chris Knight

Expected Response Explanation:

Call logs are stored in Smart Phones_PDAs_Generic
 Android.zip/data_mirror/data_ce/null/0/com.android.providers.contacts/databases/calllog.db.

Expected Response Illustration:

Cellebrite Call Log view



	Parties	↓ Timestamp	Duration	Status
	To: 4087212143 Chris Knight	12/8/2022 6:49:39 PM(UTC+0)	00:01:21	Answered

TABLE 1

Question 19 - Examination Questions

Question 19: What email address is associated with the contact with the phone number 703-672-7934?

Manufacturer's Shannon.Ewe@cybergal.com

Expected Response:

WebCode	Response
22HQDV	Shannon.Ewe@cybergal.com
34Z6GW	Shannon.Ewe@cybergal.com
37XAJF	Shannon.Ewe@cybergal.com
3BYWKJ	Shannon.Ewe@cybergal.com
3DN6QE	Shannon.Ewe@cybergal.com
3WZTHD	Shannon.Ewe@cybergal.com
4BX4KQ	Shannon.Ewe@cybergal.com
4F7P9M	Shannon.Ewe@cybergal.com
4MTC7E	Shannon.Ewe@cybergal.com
4PBRDK	Shannon.Ewe@cybergal.com
4PZPRL	Shannon.Ewe@cybergal.com
4R2ZJF	Shannon.Ewe@cybergal.com
4RM9TJ	Shannon.Ewe@cybergal.com
4RZXXH	Shannon.Ewe@cybergal.com
4ZH8LE	Shannon.Ewe@cybergal.com
4ZHELK	Shannon.Ewe@cybergal.com
64BVCK	Shannon.Ewe@cybergal.com
6VGPHJ	Shannon.Ewe@cybergal.com
724QKG	Shannon.Ewe@cybergal.com
7AYVBX	Shannon.Ewe@cybergal.com
7DY4HT	Shannon.Ewe@cybergal.com
7HR4ZU	Shannon.Ewe@cybergal.com
7YEGEM	Shannon.Ewe@cybergal.com
8C2ZHQ	Shannon.Ewe@cybergal.com
8CHAEX	Shannon.Ewe@cybergal.com
9APXVH	Shannon.Ewe@cybergal.com
9T9NG8	Shannon.Ewe@cybergal.com
9V9MJN	Shannon.Ewe@cybergal.com
AL2HWQ	Shannon.Ewe@cybergal.com

TABLE 1

Question 19 - Examination Questions	
WebCode	Response
B8VLDN	Shannon.Ewe@cybergal.com
BLTM3H	Shannon.Ewe@cybergal.com
BMCKHP	Shannon.Ewe@cybergal.com
BN2TNJ	Shannon.Ewe@cybergal.com;
CPVT8G	Shannon.Ewe@cybergal.com
CTTJ6F	Shannon.Ewe@cybergal.com
CV2RFK	Shannon.Ewe@cybergal.com
CWRXUQ	Shannon.Ewe@cybergal.com
CXQYZH	Shannon.Ewe@cybergal.com
E7PFFD	Shannopn.Ewe@cybergal.com
EKCVEE	Shannon.Ewe@cybergal.com
ELRXH9	Shannon.Ewe@cybergal.com
EP26TB	Shannon.Ewe@cybergal.com
F7KHMT	Shannon.Ewe@cybergal.com
F7KMVA	Shannon.Ewe@cybergal.com
G7DUED	Shannon.Ewe@cybergal.com
GAEYA7	Shannon.Ewe@cybergal.com
GC46U4	Shannon.Ewe@cybergal.com
GKJQXF	Shannon.Ewe@cybergal.com
GLUQXF	Shannon.Ewe@cybergal.com
GYGV7D	Shannon.Ewe@cybergal.com
HHA2AW	Shannon.Ewe@cybergal.com
HQJKEE	Shannon.Ewe@cybergal.com
J2YUER	Shannon.Ewe@cybergal.com
J6GR9A	Shannon.Ewe@cybergal.com
JH6Y24	Shannon.Ewe@cybergal.com
JHKHNM	Shannon.Ewe@cybergal.com
JQX7MV	Shannon.Ewe@cybergal.com
JQZ7F4	Shannon.Ewe@cybergal.com
JRDTXH	Shannon.Ewe@cybergal.com
JX2BEE	Shannon.Ewe@cybergal.com
K4H9HR	Shannon.Ewe@cybergal.com

TABLE 1

Question 19 - Examination Questions	
WebCode	Response
K9DZRA	Shannon.Ewe@cybergal.com
KG86LB	Shannon.Ewe@cybergal.com
KUFQ8P	Shannon.Ewe@cybergal.com
LLYX3	Shannon.Ewe@cybergal.com
M6PCZ9	Shannon.Ewe@cybergal.com
M94ZK6	Shannon.Ewe@cybergal.com
MA4XY8	Shannon.Ewe@cybergal.com
MQ7PTW	Shannon.Ewe@cybergal.com
N87WK3	Shannon.Ewe@cybergal.com
N8EREB	Shannon.Ewe@cybergal.com
NWDCJ9	Shannon.Ewe@cybergal.com
P3APJ7	Shannon.Ewe@cybergal.com
Q6T4M7	Shannon.Ewe@cybergal.com
Q8LWHP	Shannon.ewe@cybergal.com
QH3LGU	Shannon.Ewe@cybergal.com
QLJ2QM	Shannon.Ewe@cybergal.com
QMA86R	Shannon.Ewe@cybergal.com
R3K7TP	Shannon.Ewe@cybergal.com
R3L9EM	Shannon.Ewe@cybergal.com
RBEEDF	Shannon.Ewe@cybergal.com
Rbfd8N	Shannon.Ewe@cybergal.com
RVVC8P	Shannon.Ewe@cybergal.com
TJ4JKL	Shannon.Ewe@cybergal.com
TUL32X	Shannon.Ewe@cybergal.com
TWBC8R	Shannon.Ewe@cybergal.com
U3C7KK	Shannon.Ewe@cybergal.com
U3ZAFF	Shannon.Ewe@cybergal.com
U7WXU3	Shannon.Ewe@cybergal.com
V3D6ET	Shannon.ewe@cybergal.com
VENVYF	Shannon.Ewe@cybergal.com
VFK9L9	Shannon.Ewe@cybergal.com
VGQQK6	Shannon.Ewe@cybergal.com

TABLE 1

Question 19 - Examination Questions	
WebCode	Response
VHAF76	Shannon.Ewe@cybergal.com
W7B2LY	Shannon.Ewe@cybergal.com
WB2HRX	Shannon.Ewe@cybergal.com
WCFVJ2	Shannon.Ewe@cybergal.com
WTK8BQ	Shannon.Ewe@cybergal.com
WV4LD7	Shannon.Ewe@cybergal.com
X8F7CT	Shannon.Ewe@cybergal.com
YGJTK	Shannon.Ewe@cybergal.com
Z3ENAH	Shannon.Ewe@cybergal.com
ZF6DAN	Shannon.Ewe@cybergal.com

Question 19: What email address is associated with the contact with the phone number 703-672-7934?

Consensus Result: Shannon.Ewe@cybergal.com

Expected Response Explanation:

Contact information is stored in /data/data/com.android.providers.contacts/databases/contacts2.db.

Expected Response Illustration:

Cellebrite contact pane (filtered for 703-672-7934)

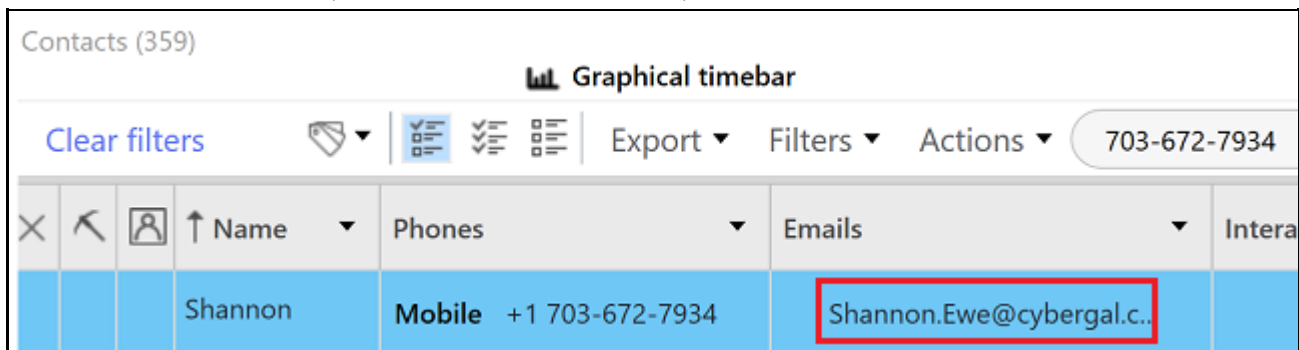


TABLE 1

Question 20 - Examination Questions

Question 20: What status does the call log database show for the call on 9 December 2022 (12/9/2022) 9:51:34 PM (UTC+0)? (Report one of the following: Answered, Blocked, Missed, Outgoing, Rejected, Voicemail, WiFi)

Manufacturer's Missed

Expected Response:

WebCode	Response
22HQDV	Missed
34Z6GW	Missed
37XAJF	Missed
3BYWKJ	Missed
3DN6QE	Missed
3WZTHD	Missed
4BX4KQ	Missed
4F7P9M	Missed
4MTC7E	Missed
4PBRDK	MISSED
4PZPRL	Missed
4R2ZJF	Missed
4RM9TJ	Missed
4RZXXH	Missed
4ZH8LE	Missed
4ZHELK	Missed
64BVCK	Outgoing
6VGPHJ	Missed
724QKG	Missed
7AYVBX	Missed
7DY4HT	Missed
7HR4ZU	Missed
7YEGEM	Missed
8C2ZHQ	Missed Call
8CHAEX	Missed
9APXVH	missed
9T9NG8	Missed
9V9MJN	Missed

TABLE 1

Question 20 - Examination Questions	
WebCode	Response
AL2HWQ	Missed
B8VLDN	Missed
BLTM3H	Missed
BMCKHP	missed
BN2TNJ	Missed
CPVT8G	Missed
CTTJ6F	Missed
CV2RFK	Missed
CWRXUQ	Missed
CXQYZH	Missed
E7PFFD	Missed
EKCVEE	Missed
ELRXH9	Missed
EP26TB	Missed
F7KHMT	Missed
F7KMVA	Missed
G7DUED	Missed
GAEYA7	Missed
GC46U4	Missed
GKJQXF	Missed
GLUQXF	Missed
GYGV7D	Missed
HHA2AW	Missed
HQJKEE	Missed
J2YUER	Missed
J6GR9A	Missed
JH6Y24	Missed
JHKHNM	Missed
JQX7MV	Missed
JQZ7F4	MISSED
JRDTXH	Missed
JX2BEE	Missed

TABLE 1

Question 20 - Examination Questions	
WebCode	Response
K4H9HR	Missed
K9DZRA	Missed
KG86LB	Missed
KUFQ8P	Missed
LLXYX3	Missed
M6PCZ9	Missed
M94ZK6	missed
MA4XY8	Missed
MQ7PTW	Missed
N87WK3	Missed
N8EREB	Missed call
NWDCJ9	Missed
P3APJ7	Missed
Q6T4M7	Missed
Q8LWHP	Missed
QH3LGU	Missed
QLJ2QM	Missed
QMA86R	Missed
R3K7TP	Missed
R3L9EM	Missed
RBEEEDF	Missed
RBFD8N	Missed
RVC8P	Missed
TJ4JKL	Missed
TUL32X	Missed
TWBC8R	Missed
U3C7KK	Missed
U3ZAFF	Missed
U7WXU3	Missed
V3D6ET	Missed
VENVYF	Missed
VFK9L9	Missed

TABLE 1

Question 20 - Examination Questions	
WebCode	Response
VGQQK6	Missed
VHAF76	Missed
W7B2LY	Missed
WB2HRX	Missed
WCFVJ2	Missed
WTK8BQ	Missed
WV4LD7	Missed
X8F7CT	Missed
YGJTKK	Missed
Z3ENAH	Missed
ZF6DAN	Missed

Question 20: What status does the call log database show for the call on 9 December 2022 (12/9/2022) 9:51:34 PM (UTC+0)? (Report one of the following: Answered, Blocked, Missed, Outgoing, Rejected, Voicemail, WiFi)

Consensus Result: Missed

Expected Response Explanation:

Call log data is stored in /data/data/com.android.providers.contacts/databases/calllog.db. Review of this database finds the record for the above call (in the calls table) with type "2."

Expected Response Illustration:

Cellebrite "Call Log" table selection showing call on 12/9/2022 9:51:34 PM(UTC+0)

Parties	Timestamp	Duration	Status
From: +17036727934 Shannon	12/9/2022 9:51:34 PM(UTC+0)		Missed

TABLE 1

Question 21 - Examination Questions

Question 21: What event did the user receive an email invitation to attend?

Manufacturer's 33rd or 3rd Intl. Laser Engineers Assn. Keystone Professional Engagement Event

Expected Response:

WebCode	Response
22HQDV	3rd Intl. Laser Engineers Assn. Keystone Professional Engagement Event
34Z6GW	3rd Intl. Laser Engineers Assn. Keystone Professional Engagement Event
37XAJF	33rd International Laser Engineers Association Keystone Professional Engagement Event
3BYWKJ	3rd International Laser Engineers Association Keystone Professional Engagement Event, there are also additional emails that say this is the 33rd International Laser...Event.
3DN6QE	3rd International Laser Engineers Association Keystone Professional Engagement Event
3WZTHD	33rd International Laser Engineers Association Keystone Professional Engagement Event
4BX4KQ	3rd Intl. Laser Engineers Assn. Keystone Professional Engagement Event
4F7P9M	33rd International Laser Engineers Association Keystone Professional Engagement Event
4MTC7E	33rd International Laser Engineers Association Keystone Professional Engagement Event
4PBRDK	33rd International Laser Engineers Association Keystone Professional Engagement Event
4PZPRL	33rd International Laser Engineers Association Keystone Professional Engagement Event
4R2ZJF	3rd Intl. Laser Engineers Assn. Keystone Professional Engagement Event
4RM9TJ	3rd International Laser Engineers Association Keystone Professional Engagement Event
4RZXXH	3rd Intl. Laser Engineers Assn. Keystone Professional Engagement Event
4ZH8LE	3rd Intl. Laser Engineers Assn. Keystone Professional Engagement Event
4ZHELK	3rd Intl. Laser Engineers Assn. Keystone Professional Engagement Event
64BVCK	33rd International Laser Engineers Association Keystone Professional Engagement Event
6VGPHJ	3rd Intl. Laser Engineers Assn. Keystone Professional Engagement Event
724QKG	3rd Intl. Laser Engineers Assn. Keystone Professional Engagement Event
7AYVBX	33rd International Laser Engineers Association Keystone Professional Engagement Event
7DY4HT	3rd Intl. Laser Engineers Assn. Keystone Professional Engagement Event
7HR4ZU	3rd Intl. Laser Engineers Assn. Keystone Professional Engagement Event
7YEGEM	3rd Intl. Laser Engineers Assn. Keystone Professional Engagement Event
8C2ZHQ	33rd International Laser Engineers Association Keystone Professional Engagement Event
8CHAEX	33rd International Laser Engineers Association Keystone Professional Engagement Event
9APXVH	33rd International Laser Engineers Association Keystone Professional Engagement Event
9T9NG8	33rd International Laser Engineers Association Keystone Professional Engagement Event
9V9MJN	3rd Intl. Laser Engineers Assn. Keystone Professional Engagement Event

TABLE 1

Question 21 - Examination Questions	
WebCode	Response
AL2HWQ	33rd International Laser Engineers Association Keystone Professional Engagement Event https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
B8VLDN	3rd Intl. Laser Engineers Assn. Keystone Professional Engagement Event; 33rd Intl. Laser Engineers Assn. Keystone Professional Engagement Event
BLTM3H	3rd International Laser Engineers Association Keystone Professional Engagement Event
BMCKHP	33rd International Laser Engineers Association Keystone Professional Engagement Event [hyperlink indicated 3rd]
BN2TNJ	3rd Intl. Laser Engineers Assn. Keystone Professional Engagement Event
CPVT8G	33rd International Laser Engineers Association Keystone Professional Engagement Event
CTTJ6F	3rd Intl. Laser Engineers Assn. Keystone Professional Engagement Event
CV2RFK	3rd International Laser Engineers Association Keystone Professional Engagement Event; 33rd International Laser Engineers Association Keystone Professional Engagement Event
CWRXUQ	33rd International Laser Engineers Association Keystone Professional Engagement Event
CXQYZH	3rd Intl. Laser Engineers Assn. Keystone Professional Engagement Event (Note: email subject lines reads as if it's the 33rd event)
E7PFFD	33rd Intl. Laser Engineers Assn. Keystone Professional Engagement Event
EKCVEE	3rd Intl. Laser Engineers Assn. Keystone Professional Engagement Event
ELRXH9	33rd International Laser Engineers Association Keystone Professional Engagement Event
EP26TB	33rd International Laser Engineers Association Keystone Professional Engagement Event
F7KHMT	3rd International Laser Engineers Association Keystone Professional Engagement Event
F7KMVA	3rd Intl. Laser Engineers Assn. Keystone Professional Engagement Event
G7DUED	3rd Intl. Laser Engineers Assn. Keystone Professional Engagement Event
GAEYA7	33rd International Laser Engineers Association Keystone Professional Engagement Event
GC46U4	33rd International Laser Engineers Association Keystone Professional Engagement Event
GKJQXF	3rd Intl. Laser Engineers Assn. Keystone Professional Engagement Event
GLUQXF	3rd Intl. Laser Engineers Assn. Keystone Professional Engagement Event
GYGV7D	33rd International Laser Engineers Association Keystone Professional Engagement Event
HHA2AW	3rd Intl. Laser Engineers Assn. Keystone Professional Engagement Event
HQJKEE	3rd Intl. Laser Engineers Assn. Keystone Professional Engagement Event
J2YUER	33rd International Laser Engineers Association Keystone Professional Engagement Event
J6GR9A	3rd International Laser Engineers Association Keystone Professional Engagement Event
JH6Y24	3rd Intl. Laser Engineers Assn. Keystone Professional Engagement Event
JHKHNM	33rd International Laser Engineers Association Professional Engagement Event
JQX7MV	3rd International Laser Engineers Association Keystone Professional Engagement Event

TABLE 1

Question 21 - Examination Questions	
WebCode	Response
JQZ7F4	THE 3RD INTL. LASER ENGINEERS ASSN. KEYSTONE PROFESSIONAL ENGAGEMENT EVENT.
JRDTXH	3rd International Laser Engineers Association Keystone Professional Engagement Event
JX2BEE	33rd International Laser Engineers Association Keystone Professional Engagement Event
K4H9HR	3rd International Laser Engineers Association Keystone Professional Engagement Event
K9DZRA	33rd International Laser Engineers Association Keystone Professional Engagement Event
KG86LB	33rd International Laser Engineers Association Keystone Professional Engagement Event
KUFQ8P	33rd International Laser Engineers Association Keystone Professional Engagement Event
LLXYX3	33rd International Laser Engineers Association Keystone Professional Engagement Event
M6PCZ9	3rd Intl. Laser Engineers Assn. Keystone Professional Engagement Event
M94ZK6	33rd International Laser Engineers Association Keystone Professional Engagement Event
MA4XY8	3rd International Laser Engineers Association Keystone Professional Engagement Event
MQ7PTW	33rd International Laser Engineers Association Keystone Professional Engagement
N87WK3	3rd Intl. Laser Engineers Assn. Keystone Professional Engagement Event
N8EREB	The title of the email states the event is the: "33rd International Laser Engineers Association Keystone Professional Engagement Event". The Eventbrite link for the event itself lists the "3rd international".
NWDCJ9	3rd Intl. Laser Engineers Assn. Keystone Professional Engagement Event
P3APJ7	3rd Intl. Laser Engineers Assn Keystone Professional Engagement Event
Q6T4M7	3rd Intl. Laser Engineers Assn. Keystone Professional Engagement Event
Q8LWHP	33rd International Laser Engineers Association Keystone Professional Engagement Event
QH3LGU	33rd International Laser Engineers Association Keystone Professional Engagement Event
QLJ2QM	33rd International Laser Engineers Association Keystone Professional Engagement Event
QMA86R	33rd International Laser Engineers Association Keystone Professional Engagement Event
R3K7TP	33rd International Laser Engineers Association Keystone Professional Engagement Event
R3L9EM	33rd International Laser Engineers Association Keystone Professional Engagement Event
RBEEDF	33rd International Laser Engineers Association Keystone Professional Engagement Event
RBFD8N	33rd International Laser Engineers Association Keystone Professional Engagement Event
RVVC8P	33rd International Laser Engineers Association Keystone Professional Engagement
TJ4JKL	33rd International Laser Engineers Association Keystone Professional Engagement Event
TUL32X	Laser Engineers Assn, Keystone Profesional Engagement Event
TWBC8R	3rd Intl. Laser Engineers Assn. Keystone Professional Engagement Event
U3C7KK	33rd International Laser Engineers Association Keystone Professional Engagement Event
U3ZAFF	33rd International Laser Engineers Association Keystone Professional Engagement Event
U7WXU3	3rd Intl. Laser Engineers Assn Keystone Professional Engagement Event

TABLE 1

Question 21 - Examination Questions	
WebCode	Response
V3D6ET	33rd International Laser Engineers Association Keystone Professional Engagement Event. 11/11/2022 21:40:21 (UTC+0)
VENVYF	33rd International Laser Engineers Association Keystone Professional Engagement Event
VFK9L9	3rd Intl. Laser Engineers Assn. Keystone Professional Engagement Event
VGQQK6	3rd Intl. Laser Engineers Assn. Keystone Professional Engagement Event
VHAF76	3rd Intl. Laser Engineers Assn. Keystone Professional Engagement Event
W7B2LY	3rd Intl. Laser Engineers Assn. Keystone Professional Engagement Event
WB2HRX	3rd Intl. Laser Engineers Assn. Keystone Professional Engagement Event
WCFVJ2	33rd International Laser Engineers Association Keystone Professional Engagement Event
WTK8BQ	the 33rd International Laser Engineers Association Keystone Professional Engagement Event
WV4LD7	3rd Intl. Laser Engineers Assn. Keystone Professional Engagement Event
X8F7CT	3rd International Laser Engineers Association Keystone Professional Engagement Event
YGJTK	33rd International Laser Engineers Association Keystone Professional Engagement Event
Z3ENAH	3rd International Laser Engineers Association Keystone Professional Engagement Event
ZF6DAN	3rd Intl Laser Engineers Assn Keystone Professional Engagement Event

Question 21: What event did the user receive an email invitation to attend?

Consensus Result: 33rd or 3rd Intl. Laser Engineers Assn. Keystone Professional Engagement Event

Expected Response Explanation:

The evite invitation was initially sent to Michaels’ ‘work’ email at MitchellMichaels.ACME@engineer.com. He forwarded it to his ‘personal’ email account MitchellDMichaels@gmail.com.

Expected Response Illustration:

Cellebrite email tab for MitchellDMichaels@gmail.com

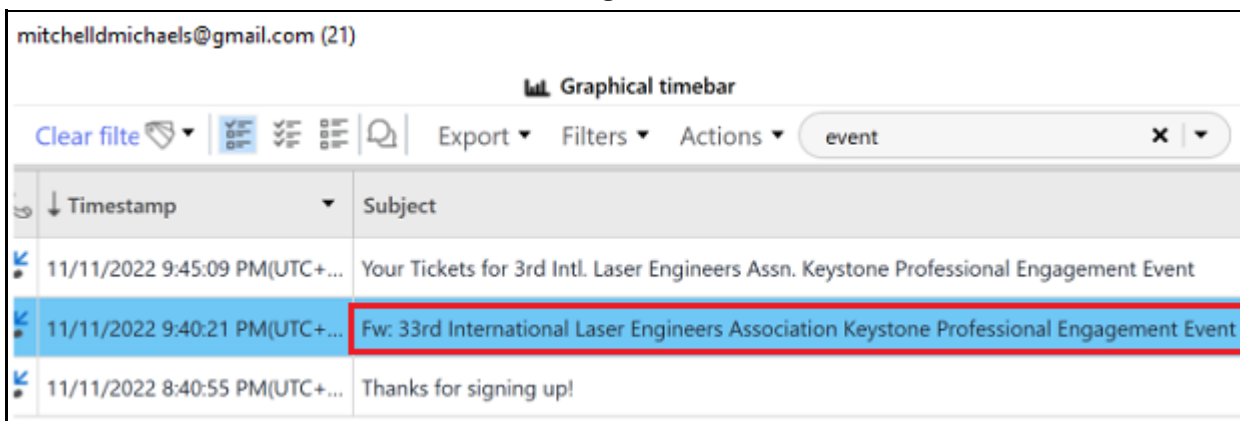


TABLE 1

Question 21 - Examination Questions

Email body

Attachments

Body   **HTML** Text

> Sent: Friday, November 11, 2022 at 10:37 PM

> From: "Roberta Benson" <robertabenson55@gmail.com>

> To: undisclosed-recipients;;

> Subject: 33rd International Laser Engineers Association Keystone Professional Engagement Event

>

> Join us once more for our keystone event. Now in a bigger venue with

> expanded happier hours!

>

>

> <https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677>

>

> Reach out to me with any questions!!

TABLE 1

Question 22 - Examination Questions

Question 22: What was the date and time of the LAST answered incoming call? Provide your response in (UTC+0), using the date/time (24-hour) picker which presents the date in the following format: YYYY-MM-DD.

Manufacturer's 2022-12-09 17:33

Expected Response:

WebCode	Response
22HQDV	2022-12-09 17:33
34Z6GW	2022-12-09 17:33
37XAJF	2022-12-09 17:33
3BYWKJ	2022-12-09 17:33
3DN6QE	2022-12-09 17:33
3WZTHD	2022-12-09 17:33
4BX4KQ	2022-12-09 17:33
4F7P9M	2022-12-09 17:33
4MTC7E	2022-12-09 17:33
4PBRDK	2022-12-09 17:33
4PZPRL	2022-12-09 17:33
4R2ZJF	2022-11-11 21:06
4RM9TJ	2022-12-09 17:33
4RZXXH	2022-12-09 17:33
4ZH8LE	2022-12-09 17:33
4ZHELK	2022-12-09 17:33
64BVCK	2022-12-09 17:33
6VGPHJ	2022-12-09 17:33
724QKG	2022-12-09 17:33
7AYVBX	2022-12-09 09:52
7DY4HT	2022-12-09 17:33
7HR4ZU	2022-12-09 17:33
7YEGEM	2022-09-12 5:33:14 PM(UTC+0)
8C2ZHQ	2022-12-09 17:33
8CHAEX	2022-12-09 17:33
9APXVH	2022-12-09 17:33
9T9NG8	2022-12-09 17:33
9V9MJN	2022-12-09 17:33

TABLE 1

Question 22 - Examination Questions	
WebCode	Response
AL2HWQ	2022-12-09 17:33
B8VLDN	2022-12-09 17:33
BLTM3H	2022-12-09 17:33
BMCKHP	2022-12-09 17:33
BN2TNJ	2022-12-09 17:33
CPVT8G	2022-12-09 17:33
CTTJ6F	2022-12-09 17:33
CV2RFK	2022-12-09 17:33
CWRXUQ	2022-12-09 17:33
CXQYZH	2022-12-09 17:33
E7PFFD	2022-12-09 17:33
EKCVEE	2022-12-09 17:33
ELRXH9	2022-12-09 17:33
EP26TB	2022-12-09 17:33
F7KHMT	2022-12-09 17:33
F7KMVA	2022-12-09 17:33
G7DUED	2022-12-09 17:33
GAEYA7	2022-12-09 17:33
GC46U4	2022-12-09 17:33
GKJQXF	2022-12-09 17:33
GLUQXF	2022-12-09 17:33
GYGV7D	2022-12-09 17:33
HHA2AW	2022-12-09 17:33
HQJKEE	2022-12-09 17:33
J2YUER	2022-12-09 17:33:14
J6GR9A	2022-12-09 17:33
JH6Y24	2022-12-09 17:33
JHKHNM	2022-12-09 17:33
JQX7MV	2022-12-09 17:33
JQZ7F4	2022-12-09 17:33
JRDTXH	2022-12-09 17:33
JX2BEE	2022-12-09 17:33

TABLE 1

Question 22 - Examination Questions	
WebCode	Response
K4H9HR	2022-12-09 17:33
K9DZRA	2022-12-09 17:30
KG86LB	2022-12-09 17:33
KUFQ8P	2022-12-09 17:33
LLXYX3	2022-12-09 17:33
M6PCZ9	2022-12-09 17:33
M94ZK6	2022-12-09 17:33
MA4XY8	2022-12-09 09:52
MQ7PTW	2022-09-12 17:33
N87WK3	2022-12-09 17:33
N8EREB	2022-12-09 05:33
NWDCJ9	2022-12-09 17:33
P3APJ7	2022-12-09 17:33:14 (UTC+0)
Q6T4M7	2022-12-09 17:33
Q8LWHP	2022-12-09 17:33
QH3LGU	2022-12-09 17:33
QLJ2QM	2022-12-09 17:33
QMA86R	2022-12-09 21:52
R3K7TP	2022-12-09 17:33
R3L9EM	2022-12-09 17:33
RBEEDE	2022-12-09 17:33
RBFD8N	2022-12-09 17:33
RVVC8P	2022-12-09 17:33
TJ4JKL	2022-12-09 17:33
TUL32X	2022-12-09 17:33
TWBC8R	2022-12-09 17:33
U3C7KK	2022-12-09 17:33
U3ZAFF	2022-12-09 17:33
U7WXU3	2022-12-09 17:33:14
V3D6ET	2022-12-09 17:33
VENVYF	2022-12-09 17:33
VFK9L9	2022-12-09 17:33

TABLE 1

Question 22 - Examination Questions	
WebCode	Response
VGQQK6	2022-12-09 17:33
VHAF76	2022-12-09 17:33
W7B2LY	2022-12-09 17:33
WB2HRX	2022-12-09 17:33
WCFVJ2	2022-12-09 17:33
WTK8BQ	2022-12-09 17:33
WV4LD7	2022-12-09 17:33
X8F7CT	2022-12-09 17:33
YGJTKK	2022-12-09 17:33
Z3ENAH	2022-12-09 17:33
ZF6DAN	2022-12-09 17:33

Question 22: What was the date and time of the LAST answered incoming call? Provide your response in (UTC+0), using the date/time (24-hour) picker which presents the date in the following format: YYYY-MM-DD.

Consensus Result: 2022-12-09 17:33. Due to differences in date reporting formats, the date reported as "2022-09-12" was also accepted.

Expected Response Explanation:

Call log data is stored in /data/data/com.android.providers.contacts/databases/calllog.db. Filtering the list for Answered calls and sorting by timestamp identifies the last call answered at 12/9/2022 5:33:14 PM (UTC+0).

Expected Response Illustration:

Cellebrite "Call Log" table selection showing answered call

Parties	Timestamp	Duration	Status
From: +17036727934 Shannon	12/9/2022 5:33:14 PM(UTC+0)	00:00:19	Answered

TABLE 1

Question 23 - Examination Questions

Question 23: What is the name of the document did the user send as a Gmail attachment on 9 December 2022 (12/9/2022) 4:39:17 PM(UTC+0)?

Manufacturer's s41377-020-0312-1.docx

Expected Response:

WebCode	Response
22HQDV	s41377-020-0312-1.docx
34Z6GW	s41377-020-0312.docx
37XAJF	s41377-020-0312-1.docx
3BYWKJ	s41377-020-0312-1.docx
3DN6QE	s41377-020-0312-1.docx
3WZTHD	s41377-020-0312-1.docx
4BX4KQ	S41377-020-0312-1.docx
4F7P9M	s41377-020-0312-1.docx
4MTC7E	s41377-020-0312-1.docx
4PBRDK	s41377-020-0312-1.docx
4PZPRL	s41377-020-0312-1.docx
4R2ZJF	s41377-020-0312-1.docx
4RM9TJ	s41377-020-0312-1.docx
4RZXXH	s41377-020-0312-1.docx
4ZH8LE	s41377-020-0312-1.docx
4ZHELK	s41377-020-0312-1.docx
64BVCK	s41377-020-0312-1.docx
6VGPHJ	s41377-020-0312-1.docx
724QKG	s41377-020-0312-1.docx
7AYVBX	s41377-020-0312-1.docx
7DY4HT	s41377-020-0312-1.docx
7HR4ZU	s41377-020-0312-1.docx
7YEGEM	s41377-020-0312-1.docx
8C2ZHQ	s41377-020-0312-1.docx
8CHAEX	s41377-020-0312-1.docx
9APXVH	s41377-020-0312-1.docx
9T9NG8	s41377-020-0312-1.docx
9V9MJN	s41377-020-0312-1.docx
AL2HWQ	s41377-020-0312-1.docx

TABLE 1

Question 23 - Examination Questions	
WebCode	Response
B8VLDN	S41377-020-0312-1.docx
BLTM3H	s41377-020-0312-1.docx
BMCKHP	s41377-020-0312-1.docx
BN2TNJ	s41377-020-0312-1.docx
CPVT8G	s41377-020-0312-1.docx
CTTJ6F	s41377-020-0312-1.docx
CV2RFK	s41377-020-0312-1.docx
CWRXUQ	s41377-020-0312-1.docx
CXQYZH	s41377-020-0312-1.docx
E7PFFD	s41377-020-0312-1.docx
EKCVEE	s41377-020-0312-1.docx
ELRXH9	s41377-020-0312-1.docx
EP26TB	s41377-020-0312-1.docx
F7KHMT	s41377-020-0312-1.docx
F7KMVA	s41377-020-0312-1.docx
G7DUED	s41377-020-0312-1.docx
GAEYA7	s41377-020-0312-1.docx
GC46U4	s41377-020-0312-1.docx
GKJQXF	s41377-020-0312-1.docx
GLUQXF	s41377-020-0312-1.docx
GYGV7D	s41377-020-0312-1.docx
HHA2AW	s41377-020-0312-1.docx
HQJKEE	s41377-020-0312-1.docx
J2YUER	s41377-020-0312-1.docx
J6GR9A	s41377-020-0312-1.docx
JH6Y24	s41377-020-0312-1.docx
JHKHNM	s41377-020-0312-1.docx
JQX7MV	s41377-020-0312-1.docx
JQZ7F4	S41377-020-0312-1.docx
JRDTXH	s41377-020-0312-1.docx
JX2BEE	S41377-020-0312-1.docx
K4H9HR	s41377-020-0312-1

TABLE 1

Question 23 - Examination Questions	
WebCode	Response
K9DZRA	s41377-020-0312-1.docx
KG86LB	s41377-020-0312-1.docx
KUFQ8P	s41377-020-0312-1.docx
LLYX3	s41377-020-0312-1.docx
M6PCZ9	S41377-020-0312-1.docx
M94ZK6	s41377-020-0312-1
MA4XY8	s41377-020-0312-1.docx
MQ7PTW	s41377-020-0312-1.docx
N87WK3	s41377-020-0312-1.docx
N8EREB	s41377-020-0312-1.docx
NWDCJ9	s41377-020-0312-1.docx
P3APJ7	s41377-020-0312-1.docx
Q6T4M7	s41377-020-0312-1.docx
Q8LWHP	s41377-020-0312-1.docx
QH3LGU	s41377-020-0312-1.docx
QLJ2QM	s41377-020-0312-1.docx
QMA86R	s41377-020-0312-1.docx
R3K7TP	s41377-020-0312-1.docx
R3L9EM	s41377-020-0312-1.docx
RBEEDF	Metasurfaces help lasers to mode-lock
Rbfd8N	s41377-020-0312-1.docx
RVVC8P	s41377-020-0312-1.docx
TJ4JKL	s41377-020-0312-1.docx
TUL32X	s41377-020-0312-1.docx
TWBC8R	s41377-020-0312-1.docx
U3C7KK	s41377-020-0312-1.docx
U3ZAFF	s41377-020-0312-1.docx
U7WXU3	s41377-020-0312-1.docx
V3D6ET	s41377-020-0312-1.docx
VENVYF	s41377-020-0312-1.docx
VFK9L9	s41377-020-0312-1.docx
VGQQK6	s41377-020-0312.docx

TABLE 1

Question 23 - Examination Questions	
WebCode	Response
VHAF76	s41377-020-0312.docx
W7B2LY	s41377-020-0312-1.docx
WB2HRX	s41377-020-0312-1.docx
WCFVJ2	s41377-020-0312-1.docx
WTK8BQ	s41377-020-0312-1.docx
WV4LD7	s41377-020-0312-1.docx
X8F7CT	s41377-020-0312-1.docx
YGJKTK	s41377-020-0312-1.docx
Z3ENAH	s41377-020-0312-1.docx
ZF6DAN	s41377-020-0312-1.docx

Question 23: What is the name of the document did the user send as a Gmail attachment on 9 December 2022 (12/9/2022) 4:39:17 PM(UTC+0)?

Consensus Result: s41377-020-0312-1.docx

Expected Response Explanation:

The gmail outbox at /data_mirror/data_ce/null/0/com.google.android.gm/databases/bigTopDataDB.677279161 contains one sent message with an attachment.

Expected Response Illustration:

Cellebrite Email View


TABLE 1

Question 23 - Examination Questions


>> Email Translate Go to

Account: mitchelldmichaels@gmail.com
Snippet:
Folder: Outbox
Subject: More stuff
Timestamp: 12/9/2022 4:39:17 PM(UTC+0)
Priority:
Source: Gmail
Status:
Extraction: File System
Source file: [Smart Phones_PDA's_Generic_Android.zip/data_mirror/data_ce/null/0/com.google.android.gm/databases/bigTopDataDB.677279161-wal:0x2394D \(Size: 524288 bytes\)](#)

From

 **From:** mitchelldmichaels@gmail.com mitchelldmichaels@gmail.com (owner)


To



 **To:** Shannon.Ewe@cybergal.com Shannon

CC

BCC

Attachments

 application/vnd.openxmlformats-officedocument.wordprocessingml.document
s41377-020-0312-1.docx
<https://mail.google.com/mail/?ui=2&ik=d7b5edf290&attid=0.1&th=184f7c166151f2b08&view=att&realattid=0.1>

Body   HTML Text

Let me know what you think

TABLE 1

Question 24 - Examination Questions

Question 24: What text is listed next to the number "4" in the Google Keep note titled "Project Milestones"?

Manufacturer's patent

Expected Response:

WebCode	Response
22HQDV	patent
34Z6GW	patent
37XAJF	patent
3BYWKJ	patent
3DN6QE	patent
3WZTHD	Patent
4BX4KQ	Patent
4F7P9M	patent
4MTC7E	patent
4PBRDK	patent
4PZPRL	patent
4R2ZJF	patent
4RM9TJ	patent
4RZXXH	patent
4ZH8LE	patent
4ZHELK	patent
64BVCK	patent
6VGPHJ	patent
724QKG	patent
7AYVBX	patent
7DY4HT	patent
7HR4ZU	patent
7YEGEM	patent
8C2ZHQ	patent
8CHAEX	patent
9APXVH	patent
9T9NG8	patent
9V9MJN	patent
AL2HWQ	patent

TABLE 1

Question 24 - Examination Questions	
WebCode	Response
B8VLDN	patent
BLTM3H	patent
BMCKHP	patent
BN2TNJ	patent
CPVT8G	patent
CTTJ6F	patent
CV2RFK	patent
CWRXUQ	patent
CXQYZH	patent
E7PFFD	Patent
EKCVEE	Patent
ELRXH9	patent
EP26TB	patent
F7KHMT	patent
F7KMVA	patent
G7DUED	patent
GAEYA7	patent
GC46U4	patent
GKJQXF	patent
GLUQXF	patent
GYGV7D	patent
HHA2AW	Patent
HQJKEE	patent
J2YUER	patent
J6GR9A	patent
JH6Y24	patent
JHKHNM	patent
JQX7MV	patent
JQZ7F4	PATENT
JRDTXH	patent
JX2BEE	patent
K4H9HR	patent

TABLE 1

Question 24 - Examination Questions	
WebCode	Response
K9DZRA	patent
KG86LB	patent
KUFQ8P	patent
LLYX3	patent
M6PCZ9	Patent
M94ZK6	patent
MA4XY8	patent
MQ7PTW	patent
N87WK3	patent
N8EREB	patent
NWDCJ9	patent
P3APJ7	patent
Q6T4M7	patent
Q8LWHP	patent
QH3LGU	patent
QLJ2QM	patent
QMA86R	patent
R3K7TP	patent
R3L9EM	patent
RBEEDE	patent
Rbfd8N	patent
RVC8P	patent
TJ4JKL	Patent
TUL32X	patent
TWBC8R	patent
U3C7KK	patent
U3ZAFF	patent
U7WXU3	patent
V3D6ET	patent
VENVYF	patent
VFK9L9	patent
VGQQK6	patent

TABLE 1

Question 24 - Examination Questions	
WebCode	Response
VHAF76	patent
W7B2LY	patent
WB2HRX	patent
WCFVJ2	patent
WTK8BQ	patent
WV4LD7	patent
X8F7CT	patent
YGJTK	patent
Z3ENAH	patent
ZF6DAN	patent

Question 24: What text is listed next to the number "4" in the Google Keep note titled "Project Milestones"?

Consensus Result: patent

Expected Response Explanation:

Google Keep Notes are stored in /data/data/com.google.android.keep/databases/keep.db.

Expected Response Illustration:

Cellebrite view of Keep note "Project Milestones"

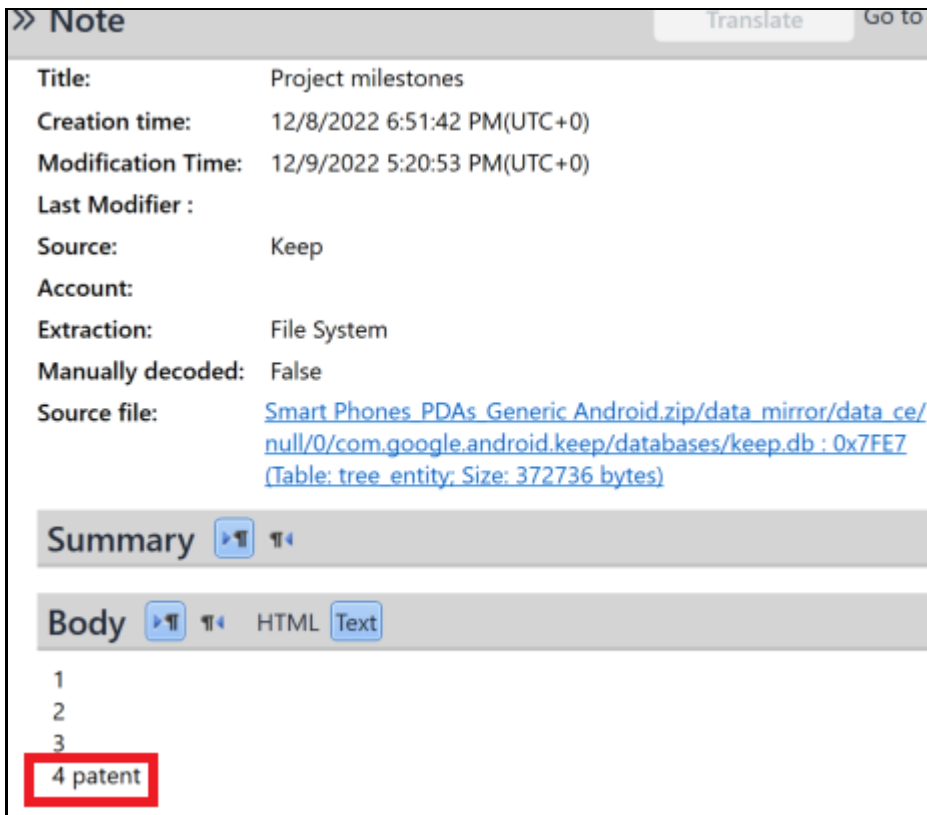


TABLE 1

Question 25 - Examination Questions	
-------------------------------------	--

Question 25: Provide the filename for one of the photos taken near Latitude/Longitude 38.987283 / -76.283095.

Manufacturer's PXL_20221126_214002176.jpg, or PXL_20221126_214023522.jpg, or

Expected Response: PXL_20221126_214025360.jpg

WebCode	Response
22HQDV	PXL_20221126_214002176.jpg
34Z6GW	PXL_20221126_214002176.jpg
37XAJF	PXL_20221126_214002176.jpg
3BYWKJ	PXL_20221126_214002176.jpg
3DN6QE	PXL_20221126_214002176.jpg
3WZTHD	PXL_20221126_214025360.jpg
4BX4KQ	PXL_20221126_214025360.jpg
4F7P9M	PXL_20221126_214025360.jpg
4MTC7E	PXL_20221126_214002176.jpg
4PBRDK	PXL_20221126_214002176.jpg
4PZPRL	PXL_20221126_214002176.jpg
4R2ZJF	PXL_20221126_214025360.jpg
4RM9TJ	PXL_20221126_214023522.jpg
4RZXXH	PXL_20221126_214025360.jpg
4ZH8LE	PXL_20221126_214023522.jpg
4ZHELK	PXL_20221126_214025360.jpg
64BVCK	PXL_20221126_214025360.JPG
6VGPHJ	PXL_20221126_214025360.jpg
724QKG	PXL_20221126_214025360.jpg
7AYVBX	PXL_20221126_214025360.jpg
7DY4HT	PXL_20221126_214023522.jpg
7HR4ZU	PXL_20221126_214002176.jpg
7YEGEM	PXL_20221126_214025360.jpg
8C2ZHQ	PXL_20221126_214025360.jpg
8CHAEX	PXL_20221126_214025360.jpg
9APXVH	PXL_20221126_214025360.jpg
9T9NG8	PXL_20221126_214002176
9V9MJN	PXL_20221126_214025360.jpg
AL2HWQ	PXL_20221126_214002176.jpg

TABLE 1

Question 25 - Examination Questions	
WebCode	Response
B8VLDN	PXL_20221126_214025360.jpg
BLTM3H	PXL_20221126_214025360.jpg
BMCKHP	PXL_20221126_214002176.jpg
BN2TNJ	PXL_20221126_214002176.jpg
CPVT8G	PXL_20221126_214025360.jpg
CTTJ6F	PXL_20221126_214002176.jpg
CV2RFK	PXL_20221126_214002176.jpg
CWRXUQ	PXL_20221126_214002176.jpg
CXQYZH	PXL_20221126_214002176.jpg
E7PFFD	PXL_20221126_214002176.jpg
EKCVEE	PXL_20221126_214025360.jpg
ELRXH9	PXL_20221126_214025360.jpg
EP26TB	PXL_20221126_214025360.jpg
F7KHMT	PXL_20221126_214025360.jpg
F7KMVA	PXL_20221126_214025360.jpg
G7DUED	PXL_20221126_214025360.jpg
GAEYA7	PXL_20221126_214002176.jpg
GC46U4	PXL_20221126_214025360.jpg
GKJQXF	PXL_20221126_214025360.jpg
GLUQXF	PXL_20221126_214025360.jpg
GYGV7D	PXL_20221126_214025360.jpg
HHA2AW	PXL_20221126_214025360.jpg
HQJKEE	PXL_20221126_214002176.jpg
J2YUER	PXL_20221126_214025360.jpg
J6GR9A	PXL_20221126_214002176.jpg
JH6Y24	PXL_20221126_214025360.jpg
JHKHNM	PXL_20221126_214025360.jpg
JQX7MV	PXL_20221126_214002176.jpg
JQZ7F4	PXL_20221126_214002176.jpg
JRDTXH	PXL_20221126_214023522.jpg
JX2BEE	PXL_20221126_214002176.jpg
K4H9HR	PXL_20221126_214002176

TABLE 1

Question 25 - Examination Questions	
WebCode	Response
K9DZRA	PXL_20221126_214025360.jpg
KG86LB	PXL_20221126_214025360.jpg
KUFQ8P	PXL_20221126_214023522
LLXYX3	PXL_20221126_214025360
M6PCZ9	PXL_20221126_214025360.jpg
M94ZK6	PXL_20221126_214025360
MA4XY8	PXL_202211126_214023522.jpg
MQ7PTW	PXL_20221126_214002176.jpg
N87WK3	PXL_20221126_214025360.jpg
N8EREB	PXL_20221126_214002176.jpg
NWDCJ9	PXL_20221126_214002176.jpg
P3APJ7	PXL_20221126_214025360.jpg
Q6T4M7	PXL_20221126_214025360.jpg
Q8LWHP	PXL_20221126_214025360.jpg
QH3LGU	PXL_20221126_214023522.jpg
QLJ2QM	PXL_20221126_214002176.jpg
QMA86R	PXL_20221126_214002176.jpg
R3K7TP	PXL_20221126_214025360.jpg
R3L9EM	PXL_20221126_214002176.jpg
RBEEDF	PXL_20221126_214002176.jpg
RBFD8N	PXL_20221126_214002176.jpg
RVVC8P	PXL_20221126_214002176.jpg
TJ4JKL	PXL_20221126_214025360.jpg
TUL32X	PXL_20221126_214002176.jpg
TWBC8R	PXL_20221126_214002176.jpg
U3C7KK	PXL_20221126_214023522.jpg
U3ZAFF	PXL_20221126_214002176.jpg
U7WXU3	PXL_20221126_214025360.jpg
V3D6ET	PXL_20221126_214002176.jpg
VENVYF	PXL_20221126_214025360.jpg
VFK9L9	PXL_20221126_214002176.jpg
VGQQK6	PXL_20221126_214002176.jpg

TABLE 1

Question 25 - Examination Questions	
WebCode	Response
VHAF76	PXL_20221126_214002176.jpg
W7B2LY	PXL_20221126_214025360.jpg
WB2HRX	PXL_20221126_214025360.jpg
WCFVJ2	PXL_20221126_214025360.jpg
WTK8BQ	PXL_20221126_214002176.jpg
WV4LD7	PXL_20221126_214002176.jpg
X8F7CT	PXL_20221126_214002176.jpg
YGJKTK	PXL_20221126_214025360.jpg
Z3ENAH	PXL_20221126_214025360.jpg
ZF6DAN	PXL_20221126_214025360.jpg

Question 25: Provide the filename for one of the photos taken near Latitude/Longitude 38.987283 / -76.283095.

Consensus Result: PXL_20221126_214002176.jpg, PXL_20221126_214025360.jpg, PXL_20221126_214023522.jpg

Expected Response Explanation:

Plotting these Lat/Long coordinates on a map discovers they describe a point near Chester, MD, USA. Reviewing the photos taken near that location identifies the above files.

Expected Response Illustration:

Google Maps plot of 38.987283N 76.283095W

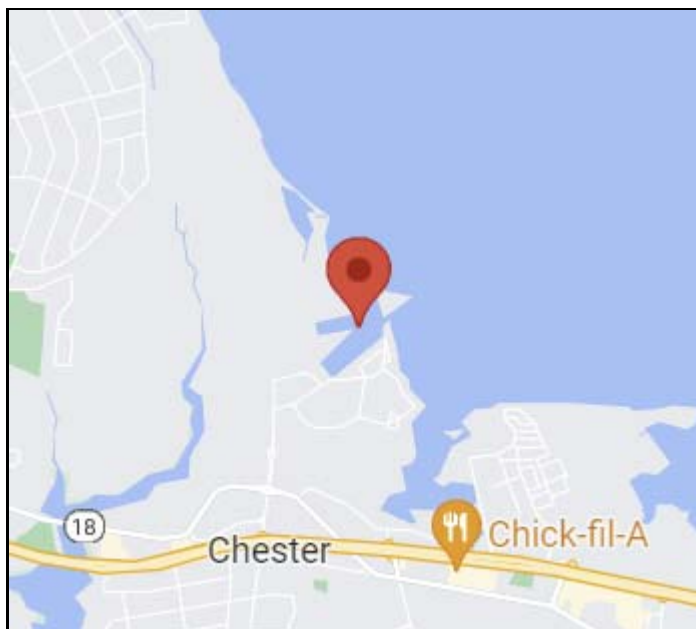


TABLE 1

Question 25 - Examination Questions

Autopsy Browser Geolocation pane showing photo taken near Chester, MD

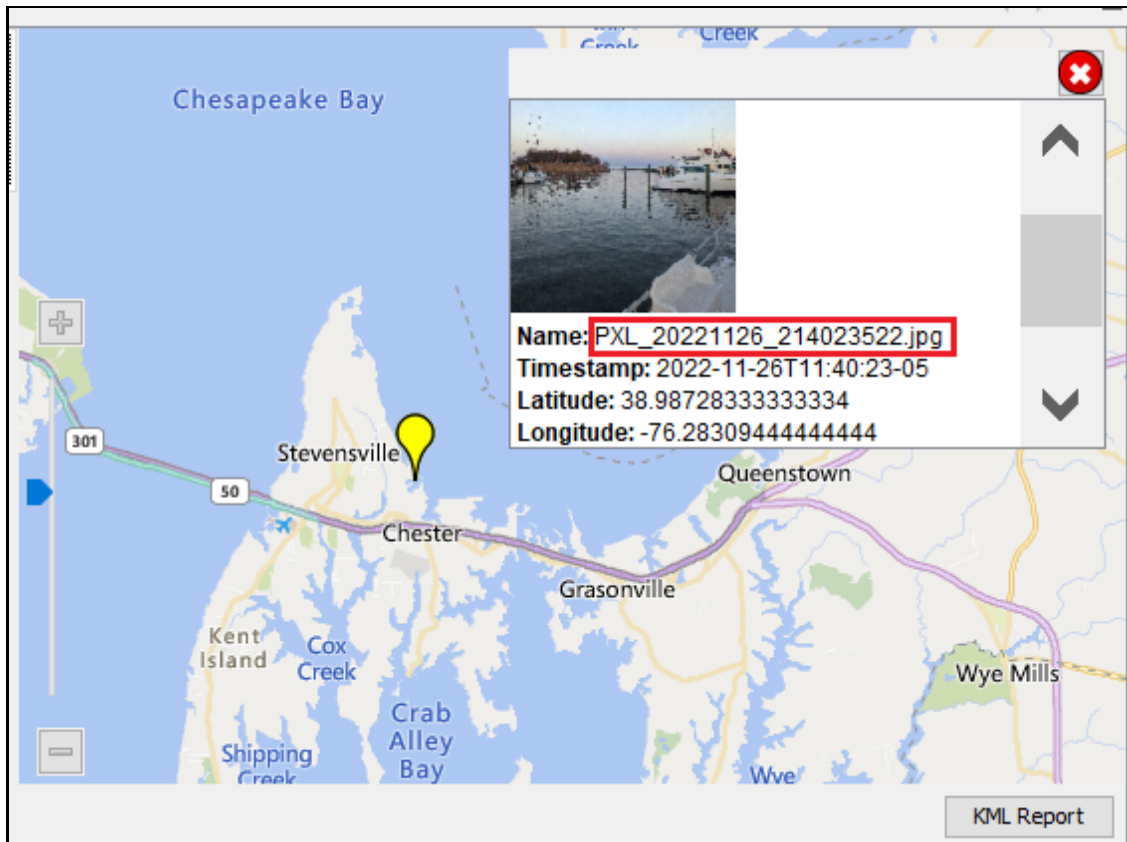


TABLE 1

Question 26 - Examination Questions

Question 26: On what date was the user scheduled for a "Date?" on their calendar? Provide your response as YYYY-MM-DD using the date picker.

Manufacturer's 2022-12-09

Expected Response:

WebCode	Response
22HQDV	2022-12-09
34Z6GW	2022-12-09
37XAJF	2022-12-09
3BYWKJ	2022-12-09
3DN6QE	2022-12-09
3WZTHD	2022-12-09
4BX4KQ	2022-12-09
4F7P9M	2022-12-09
4MTC7E	2022-12-09
4PBRDK	2022-12-19
4PZPRL	2022-12-09
4R2ZJF	2022-12-09
4RM9TJ	2022-12-09
4RZXXH	2022-12-09
4ZH8LE	2022-12-09
4ZHELK	2022-12-09
64BVCK	2022-12-09
6VGPHJ	2022-12-09
724QKG	2022-12-09
7AYVBX	2022-12-09
7DY4HT	2022-12-09
7HR4ZU	2022-12-09
7YEGEM	2022-09-12
8C2ZHQ	2022-12-09
8CHAEX	2022-12-09
9APXVH	2022-12-09
9T9NG8	2022-12-09
9V9MJN	2022-12-09
AL2HWQ	2022-12-09

TABLE 1

Question 26 - Examination Questions	
WebCode	Response
B8VLDN	2022-12-09
BLTM3H	2022-12-09
BMCKHP	2022-12-09
BN2TNJ	2022-12-09
CPVT8G	2022-12-09
CTTJ6F	2022-12-09
CV2RFK	2022-12-09
CWRXUQ	2022-12-09
CXQYZH	2022-12-09
E7PFFD	2022-12-09
EKCVEE	2022-12-09
ELRXH9	2022-12-09
EP26TB	2022-12-09
F7KHMT	2022-12-09
F7KMVA	2022-12-09
G7DUED	2022-12-09
GAEYA7	2022-12-09
GC46U4	2022-12-09
GKJQXF	2022-12-09
GLUQXF	2022-12-09
GYGV7D	2022-12-09
HHA2AW	2022-12-09
HQJKEE	2022-12-09
J2YUER	2022-12-09
J6GR9A	2022-12-09
JH6Y24	2022-12-09
JHKHNM	2022-12-09
JQX7MV	2022-12-09
JQZ7F4	2022-12-09
JRDTXH	2022-12-09
JX2BEE	2022-12-09
K4H9HR	2022-12-09

TABLE 1

Question 26 - Examination Questions	
WebCode	Response
K9DZRA	2022-12-09
KG86LB	2022-12-09
KUFQ8P	2022-12-09
LLYX3	2022-12-09
M6PCZ9	2022-12-09
M94ZK6	2022-12-9
MA4XY8	2022-12-09
MQ7PTW	2022-12-09
N87WK3	2022-12-09
N8EREB	2022-12-09
NWDCJ9	2022-12-09
P3APJ7	2022-12-09
Q6T4M7	2022-12-09
Q8LWHP	2022-12-09
QH3LGU	2022-12-09
QLJ2QM	2022-12-09
QMA86R	2022-12-09
R3K7TP	2022-12-09
R3L9EM	2022-12-10
RBEEEDF	2022-12-09
Rbfd8N	2022-12-09
RVC8P	2022-12-09
TJ4JKL	2022-12-09
TUL32X	2022-12-09
TWBC8R	2022-12-09
U3C7KK	2022-12-09
U3ZAFF	2022-12-09
U7WXU3	2022-12-09
V3D6ET	2022-12-09
VENVYF	2022-12-09
VFK9L9	2022-12-09
VGQQK6	2022-12-09

TABLE 1

Question 26 - Examination Questions	
WebCode	Response
VHAF76	2022-12-09
W7B2LY	2022-12-09
WB2HRX	2022-12-09
WCFVJ2	2022-12-09
WTK8BQ	2022-12-09
WV4LD7	2022-12-09
X8F7CT	2022-12-09
YGJTK	2022-12-09
Z3ENAH	2022-12-09
ZF6DAN	2022-12-09

Question 26: On what date was the user scheduled for a “Date?” on their calendar? Provide your response as YYYY-MM-DD using the date picker.

Consensus Result: 2022-12-09. Due to differences in date reporting formats, the date reported as "2022-09-12" was also accepted.

Expected Response Explanation:

Google calendar entries are stored in /data/data/com.google.android.calendar/databases/cal_v2a and /data_mirror/data_ce/null/0/com.android.providers.calendar/databases/calendar.db. Information about scheduled events is contained in the “Events” table.

Expected Response Illustration:

Autopsy View of Calendar.db

LogicalFileSet1/Smart Phones_PDA's_Generic Android.zip/Dump/data_mirror/data_ce/null/0/com.android.providers.calendar/databases

Name	S	C	Modified Time	Change Time	Access Time	Created Time	Size	Flags(Dir)
calendar.db			2022-12-10 19:03:35 GMT	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	151552	Allocated

Hex Text Application File Metadata OS Account Data Artifacts Analysis Results Context Annotations Other Occurrences

Table Events 79 entries Page 1 of 1 Export to CSV

lastSynced	calendar_id	title	dtstart	eventLoc...	description
0	1	Date? W shannon	2022/12/09 17:00:00		
0	1	3rd Intl. Laser Engineers Assn. Keystone Professio...	2022/11/18 19:00:00	4320 Cha...	For details, go here:https://www.eve
0	2	Easter Sunday	2022/04/16 20:00:00		ObservanceTo hide observances, go t

TABLE 1

Question 27 - Examination Questions

Question 27: What website did the user visit with the Chrome browser on 11 November 2022 (2022-11-11) 21:42:45 EST? (Provide the full URL, i.e., https://site.tld/page/)

Manufacturer's Expected Response: <https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677>

WebCode	Response
22HQDV	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
34Z6GW	https://www.google.com/url?q=https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677&source=gmail&ust=1668289224840000&usg=AOvVaw1oEomc8eztrkUmyoBvJT4
37XAJF	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
3BYWKJ	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
3DN6QE	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
3WZTHD	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
4BX4KQ	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
4F7P9M	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
4MTC7E	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
4PBRDK	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
4PZPRL	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
4R2ZJF	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
4RM9TJ	https://www.google.com/url?q=https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677&source=gmail&ust=1668289224840000&usg=AOvVaw1oEomc8eztrkUmyoBvJT4
4RZXXH	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
4ZH8LE	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
4ZHELK	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
64BVCK	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
6VGPHJ	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
724QKG	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677

TABLE 1

Question 27 - Examination Questions	
WebCode	Response
7AYVBX	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
7DY4HT	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
7HR4ZU	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
7YEGEM	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
8C2ZHQ	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
8CHAEX	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
9APXVH	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
9T9NG8	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
9V9MJN	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
AL2HWQ	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677 https://www.google.com/url?q=https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677&source=gmail&ust=1668289224840000&usg=AOvVaw1oEOmc8eztrrkUmyoBvJT4
B8VLDN	https://www.google.com/url?q=https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677&source=gmail&ust=1668289224840000&usg=AOvVaw1oEOmc8eztrrkUmyoBvJT4 ; https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
BLTM3H	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
BMCKHP	https://www.google.com/url?q=https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677&source=gmail&ust=1668289224840000&usg=AOvVaw1oEOmc8eztrrkUmyoBvJT4 [google.com redirect to Eventbrite.com]
BN2TNJ	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
CPVT8G	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
CTTJ6F	https://www.google.com/url?q=https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677&source=gmail&ust=1668289224840000&usg=AOvVaw1oEOmc8eztrrkUmyoBvJT4
CV2RFK	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
CWRXUQ	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
CXQYZH	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677 (In UTC +0)

TABLE 1

Question 27 - Examination Questions	
WebCode	Response
E7PFFD	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677/
EKCVEE	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
ELRXH9	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
EP26TB	There was no record of Chrome browser activity at the time of 11 November 2022 (2022-11-11) 21:42:45 EST. However, there was Chrome browser activity at the time of 11 November 2022 (2022-11-11) 21:42:45(UTC+0). The user visited 2 websites at this time: https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677 https://www.google.com/url?q=https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677&source=gmail&ust=1668289224840000&usg=AOvVaw1oEOmc8eztrrkUmyoBvJT4
F7KHMT	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677&source=gmail&ust=1668289224840000&usg=AOvVaw1oEOmc8eztrrkUmyoBvJT4
F7KMVA	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
G7DUED	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
GAEYA7	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
GC46U4	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
GKJQXF	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
GLUQXF	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
GYGV7D	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
HHA2AW	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-46658312167728).
HQJKEE	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
J2YUER	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
J6GR9A	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
JH6Y24	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
JHKHNM	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
JQX7MV	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677

TABLE 1

Question 27 - Examination Questions	
WebCode	Response
JQZ7F4	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
JRDTXH	https://www.google.com/url?q=https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677&source=gmail&ust=1668289224840000&usg=AOvVaw1oEOmc8eztrkUmyoBvJT4
JX2BEE	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
K4H9HR	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
K9DZRA	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
KG86LB	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
KUFQ8P	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
LLYX3	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
M6PCZ9	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
M94ZK6	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
MA4XY8	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
MQ7PTW	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
N87WK3	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
N8EREB	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677 Visited via a google redirect link. This question may incorrectly list EST instead of UTC-0 as there is no chrome web history related to the time 21:42:45 EST, this website was visited at 21:42:45 UTC-0.
NWDCJ9	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
P3APJ7	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
Q6T4M7	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
Q8LWHP	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
QH3LGU	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
QLJ2QM	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
QMA86R	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677

TABLE 1

Question 27 - Examination Questions	
WebCode	Response
R3K7TP	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
R3L9EM	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
RBEEEDF	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
RBFD8N	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
RVVC8P	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
TJ4JKL	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
TUL32X	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
TWBC8R	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
U3C7KK	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
U3ZAFF	There was no web history at 21:42:45 EST. https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677 was visited at 21:42:45 UTC time.
U7WXU3	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
V3D6ET	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
VENVYF	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
VFK9L9	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
VGQQK6	https://www.google.com/url?q=https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677&source=gmail&ust=1668289224840000&usg=AOvVaw1oEomc8eztrkUmyoBvJT4
VHAF76	https://www.google.com/url?q=https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677&source=gmail&ust=1668289224840000&usg=AOvVaw1oEomc8eztrkUmyoBvJT4
W7B2LY	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
WB2HRX	https://www.google.com/url?q=https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677&source=gmail&ust=1668289224840000&usg=AOvVaw1oEomc8eztrkUmyoBvJT4
WCFVJ2	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
WTK8BQ	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677

TABLE 1

Question 27 - Examination Questions	
WebCode	Response
WV4LD7	https://www.eventbrite.com/e/3rd-intl-laser-engineers-ass-keystone-professional-engagement-event-tickets-466583121677
X8F7CT	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
YGJKTk	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
Z3ENAH	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677
ZF6DAN	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677

Question 27: What website did the user visit with the Chrome browser on 11 November 2022 (2022-11-11) 21:42:45 EST? (Provide the full URL, i.e., https://site.tld/page/)

Consensus Result: https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677. Slight variations of the expected response were also accepted, if they were easily identified as typographical errors.
 Please note that an error was identified with the time portion of the original question. The time should have read either "21:42:45 UTC" or "16:42:45 EST." This error did not appear to affect achieving a 100% consensus for this question.

Expected Response Explanation:

Browsing history for the chrome browser is stored in /data/user/0/com.android.chrome/app_chrome/Default/History.

Expected Response Illustration:

Autopsy view of Chrome History

▲ Date Accessed	URL
2022-11-12 02:42:45 GMT	https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677

TABLE 1

Question 28 - Examination Questions

Question 28: What web page did the user bookmark in the chrome browser? (Provide the full URL, i.e., <https://lang.m.site.tld/page/subpage>)

Manufacturer's <https://en.m.wikipedia.org/wiki/Laser>
Expected Response:

WebCode	Response
22HQDV	https://en.m.wikipedia.org/wiki/Laser
34Z6GW	https://en.m.wikipedia.org/wiki/Laser
37XAJF	https://en.m.wikipedia.org/wiki/Laser
3BYWKJ	https://en.m.wikipedia.org/wiki/Laser
3DN6QE	https://en.m.wikipedia.org/wiki/Laser
3WZTHD	https://en.m.wikipedia.org/wiki/Laser
4BX4KQ	https://en.m.wikipedia.org/wiki/Laser
4F7P9M	https://en.m.wikipedia.org/wiki/Laser
4MTC7E	https://en.m.wikipedia.org/wiki/Laser
4PBRDK	https://en.m.wikipedia.org/wiki/Laser
4PZPRL	https://en.m.wikipedia.org/wiki/Laser
4R2ZJF	https://en.m.wikipedia.org/wiki/Laser
4RM9TJ	https://en.m.wikipedia.org/wiki/Laser
4RZXXH	https://en.m.wikipedia.org/wiki/Laser
4ZH8LE	https://en.m.wikipedia.org/wiki/Laser
4ZHELK	https://en.m.wikipedia.org/wiki/Laser
64BVCK	https://en.m.wikipedia.org/wiki/Laser
6VGPHJ	https://en.m.wikipedia.org/wiki/Laser
724QKG	https://en.m.wikipedia.org/wiki/Laser
7AYVBX	https://en.m.wikipedia.org/wiki/Laser
7DY4HT	https://en.m.wikipedia.org/wiki/Laser
7HR4ZU	https://en.m.wikipedia.org/wiki/Laser
7YEGEM	https://en.m.wikipedia.org/wiki/Laser
8C2ZHQ	https://en.m.wikipedia.org/wiki/Laser
8CHAEX	https://en.m.wikipedia.org/wiki/Laser
9APXVH	https://en.m.wikipedia.org/wiki/Laser
9T9NG8	https://en.m.wikipedia.org/wiki/Laser
9V9MJN	https://en.m.wikipedia.org/wiki/Laser
AL2HWQ	https://en.m.wikipedia.org/wiki/Laser

TABLE 1

Question 28 - Examination Questions	
WebCode	Response
B8VLDN	https://en.m.wikipedia.org/wiki/Laser
BLTM3H	https://en.m.wikipedia.org/wiki/Laser
BMCKHP	https://en.m.wikipedia.org/wiki/Laser
BN2TNJ	https://en.m.wikipedia.org/wiki/Laser
CPVT8G	https://en.m.wikipedia.org/wiki/Laser
CTTJ6F	http://a.espncdn.com/wireless/mw5/r1/images/bookmark-icons/espn_icon-152x152.min.png
CV2RFK	https://en.m.wikipedia.org/wiki/Laser
CWRXUQ	https://en.m.wikipedia.org/wiki/Laser
CXQYZH	https://en.m.wikipedia.org/wiki/Laser
E7PFFD	https://en.m.wikipedia.org/wiki/Laser
EKCVEE	https://en.m.wikipedia.org/wiki/Laser
ELRXH9	https://en.m.wikipedia.org/wiki/Laser
EP26TB	https://en.m.wikipedia.org/wiki/Laser
F7KHMT	https://en.m.wikipedia.org/wiki/Laser
F7KMVA	https://en.m.wikipedia.org/wiki/Laser
G7DUED	https://en.m.wikipedia.org/wiki/Laser
GAEYA7	https://en.m.wikipedia.org/wiki/Laser
GC46U4	https://en.m.wikipedia.org/wiki/Laser
GKJQXF	https://en.m.wikipedia.org/wiki/Laser
GLUQXF	https://en.m.wikipedia.org/wiki/Laser
GYGV7D	https://en.m.wikipedia.org/wiki/Laser
HHA2AW	https://en.m.wikipedia.org/wiki/Laser
HQJKEE	https://en.m.wikipedia.org/wiki/Laser
J2YUER	https://en.m.wikipedia.org/wiki/Laser
J6GR9A	https://en.m.wikipedia.org/wiki/Laser
JH6Y24	https://en.m.wikipedia.org/wiki/Laser
JHKHNM	https://en.m.wikipedia.org/wiki/Laser
JQX7MV	https://en.m.wikipedia.org/wiki/Laser
JQZ7F4	https://en.m.wikipedia.org/wiki/Laser
JRDTXH	https://en.m.wikipedia.org/wiki/Laser
JX2BEE	https://en.m.wikipedia.org/wiki/Laser
K4H9HR	https://en.m.wikipedia.org/wiki/Laser

TABLE 1

Question 28 - Examination Questions	
WebCode	Response
K9DZRA	https://en.m.wikipedia.org/wiki/Laser
KG86LB	https://en.m.wikipedia.org/wiki/Laser
KUFQ8P	https://en.m.wikipedia.org/wiki/Laser
LLYX3	https://en.m.wikipedia.org/wiki/Laser
M6PCZ9	https://en.m.wikipedia.org/wiki/laser
M94ZK6	https://en.m.wikipedia.org/wiki/Laser
MA4XY8	https://en.m.wikipedia.org/wiki/Laser
MQ7PTW	https://en.m.wikipedia.org/wiki/Laser
N87WK3	https://en.m.wikipedia.org/wiki/Laser
N8EREB	https://en.m.wikipedia.org/wiki/Laser
NWDCJ9	http://en.m.wikipedia.org/wiki/Laser
P3APJ7	https://en.m.wikipedia.org/wiki/Laser
Q6T4M7	https://en.m.wikipedia.org/wiki/Laser
Q8LWHP	https://en.m.wikipedia.org/wiki/Laser
QH3LGU	https://en.m.wikipedia.org/wiki/Laser
QLJ2QM	https://en.m.wikipedia.org/wiki/Laser
QMA86R	https://en.m.wikipedia.org/wiki/Laser
R3K7TP	https://en.m.wikipedia.org/wiki/Laser
R3L9EM	https://en.m.wikipedia.org/wiki/Laser
RBEEDF	https://en.m.wikipedia.org/wiki/Laser
Rbfd8N	https://en.m.wikipedia.org/wiki/Laser
RVC8P	https://en.m.wikipedia.org/wiki/Laser
TJ4JKL	https://en.m.wikipedia.org/wiki/Laser
TUL32X	https://en.m.wikipedin.org/wiki/laser
TWBC8R	https://en.m.wikipedia.org/wiki/Laser
U3C7KK	https://en.m.wikipedia.org/wiki/Laser
U3ZAFF	https://en.m.wikipedia.org/wiki/Laser
U7WXU3	https://en.m.wikipedia.org/wiki/Laser
V3D6ET	https://en.m.wikipedia.org/wiki/Laser
VENVYF	https://en.m.wikipedia.org/wiki/Laser
VFK9L9	https://en.m.wikipedia.org/wiki/Laser
VGQQK6	htt;s://en.m.wikipedia.org/wiki/Laser

TABLE 1

Question 28 - Examination Questions	
WebCode	Response
VHAF76	htt;s://en.m.wikipedia.org/wiki/Laser
W7B2LY	https://en.m.wikipedia.org/wiki/Laser
WB2HRX	https://en.m.wikipedia.org/wiki/Laser
WCFVJ2	https://en.m.wikipedia.org/wiki/Laser
WTK8BQ	https://en.m.wikipedia.org/wiki/Laser
WV4LD7	http://en.m.wikipedia.org/wiki/Laser
X8F7CT	https://en.m.wikipedia.org/wiki/Laser
YGJTK	https://en.m.wikipedia.org/wiki/Laser
Z3ENAH	https://en.m.wikipedia.org/wiki/Laser
ZF6DAN	https://en.m.wikipedia.org/wiki/Laser

Question 28: What web page did the user bookmark in the chrome browser? (Provide the full URL, i.e., <https://lang.m.site.tld/page/subpage>)

Consensus Result: <https://en.m.wikipedia.org/wiki/Laser>

Expected Response Explanation:

Bookmarks for the Android Chrome browser are stored in /Dump/data/data/com.android.chrome/app_chrome/Default/Bookmarks.

Expected Response Illustration:

Bookmarks

```

22 "synced": {
23   "children": [ {
24     "date_added": "13315187542909164",
25     "guid": "03bacf36-ffc8-4f57-af78-c2c66a4b1252",
26     "id": "5",
27     "name": "Laser - Wikipedia",
28     "type": "url",
29     "url": "https://en.m.wikipedia.org/wiki/Laser"

```

TABLE 1

Question 29 - Examination Questions

Question 29: Provide the title shown on the document of the file with MD5 hash 36e3feaf5b3e8102b4ce2e939a0588ab.

Manufacturer's Photograph of a document titled "Proprietary and Confidential – ACME Enterprises Applied
Expected Response: Laser Research ~ Optics for Launching and Receiving Beams"

WebCode	Response
22HQDV	Proprietary and Confidential - ACME Enterprises Applied Laser Research
34Z6GW	Optics for launching and receiving Beams
37XAJF	Proprietary and Confidential - ACME Enterprises Applied Laser Research
3BYWKJ	Proprietary and Confidential - ACME Enterprises Applied Laser Research
3DN6QE	OPTICS FOR LAUNCHING AND RECEIVING BEAMS
3WZTHD	Proprietary and Confidential - ACME Enterprises Applied Laser Research
4BX4KQ	Proprietary and Confidential - ACME Applied Laser Research
4F7P9M	Proprietary and Confidential - ACME Enterprises Applied Laser Research
4MTC7E	Proprietary and Confidential - ACME Enterprises Applied Laser Research
4PBRDK	Proprietary and Confidential - ACME Enterprises Applied Laser Research
4PZPRL	Proprietary and Confidential - ACME Enterprises Applied Laser Research
4R2ZJF	Proprietary and Confidential - ACME Enterprises Laser Research
4RM9TJ	Proprietary and Confidential - ACME Enterprises Applied Laser Research
4RZXXH	Proprietary and Confidential - ACME Enterprises Applied Laser Research
4ZH8LE	Proprietary and Confidential - ACME Enterprises Applied Laser Research
4ZHELK	Proprietary and Confidential - ACME Enterprises Applied Laser Research
64BVCK	PXL_20221209_200901321.jpg
6VGPHJ	Proprietary and Confidential - ACME Enterprises Applied Laser Research
724QKG	Proprietary and Confidential - ACME Enterprises Applied Laser Research
7AYVBX	Proprietary and Confidential - ACME Enterprise Applied Laser Research
7DY4HT	Proprietary and Confidential - ACME Enterprises Applied Laser Research
7HR4ZU	Proprietary and Confidential - ACME Enterprises Applied Laser Research
7YEGEM	Proprietary and Confidential - ACME Enterprises Applied Laser Research
8C2ZHQ	Proprietary and Confidential - ACME Enterprises Applied Laser Research
8CHAEX	Proprietary and Confidential - ACME Enterprises Applied Laser Research
9APXVH	Proprietary and Confidential - ACME Enterprises Applied Laser Research – Optics for Launching and Receiving Beams
9T9NG8	Proprietary and Confidential - ACME Enterprises Applied Laser Research
9V9MJN	Proprietary and Confidential - ACME Enterprises Applied Laser Research

TABLE 1

Question 29 - Examination Questions	
WebCode	Response
AL2HWQ	Proprietary and Confidential - ACME Enterprises Applied Laser Research
B8VLDN	Proprietary and Confidential - ACME Enterprises Applied Laser Research
BLTM3H	Proprietary and Confidential - ACME Enterprises Applied Laser Research
BMCKHP	Proprietary and Confidential - ACME Enterprises Applied Laser Research
BN2TNJ	Proprietary and Confidential - ACME Enterprises Applied Laser Research
CPVT8G	Proprietary and Confidential - ACME Enterprises Applied Laser Research
CTTJ6F	Optics for Launching and Receiving Beams
CV2RFK	Proprietary and Confidential - ACME Enterprises Applied Laser Research
CWRXUQ	Proprietary and Confidential - ACME Enterprises Applied Laser Research
CXQYZH	Proprietary and Confidential - ACME Enterprises Applied Laser Research
E7PFFD	Proprietary and Confidential - ACME Enterprises Applied Laser Research, PXL_20221209_200901321.jpg
EKCVEE	Proprietary and Confidential - ACME Enterprises Applied Laser Research
ELRXH9	Proprietary and Confidential - ACME Enterprises Applied Laser Research
EP26TB	Proprietary and Confidential - ACME Enterprises Applied Laser Research
F7KHMT	OPTICS FOR LAUNCHING AND RECEIVING BEAMS
F7KMVA	Proprietary and Confidential - ACME Enterprises Applied Laser Research
G7DUED	Proprietary and Confidential - ACME Enterprises Applied Laser Research
GAEYA7	Proprietary and Confidential - ACME Enterprises Applied Laser Research
GC46U4	Proprietary and Confidential - ACME Enterprises Applied Laser Research
GKJQXF	Proprietary and Confidential - ACME Enterprises Applied Laser Research
GLUQXF	Proprietary and Confidential - ACME Enterprises Applied Laser Research
GYGV7D	Proprietary and Confidential - ACME Enterprises Applied Laser Research
HHA2AW	Proprietary and confidential - ACME enterprises applied laser research
HQJKEE	Proprietary and Confidential - ACME Enterprises Applied Laser Research
J2YUER	Proprietary and Confidential - ACME Enterprises Applied Laser Research
J6GR9A	Proprietary and Confidential - ACME Enterprises Applied Laser Research
JH6Y24	Proprietary and Confidential - ACME Enterprises Applied Laser Research
JHKHNM	PXL_20221209_200901321.jpg
JQX7MV	Proprietary and Confidential - ACME Enterprises Applied Laser Research
JQZ7F4	PXL_20221209_200901321.jpg
JRDTXH	Optics for Launching and Receiving Beams
JX2BEE	Optics for Launching and Receiving Beams

TABLE 1

Question 29 - Examination Questions	
WebCode	Response
K4H9HR	Proprietary and Confidential - ACME Enterprises Applied Laser Research
K9DZRA	PXL_20221209_200901321.jpg
KG86LB	Proprietary and Confidential - ACME Enterprises Applied Laser Research
KUFQ8P	OPTICS FOR LAUNCHING AND RECEIVING BEAMS
LLYX3	Optics for Launching and Receiving Beams
M6PCZ9	Proprietary and Confidential - ACME Applied Laser Research
M94ZK6	Proprietary and Confidential - ACME Enterprises Applied Laser Research Optics for launching and receiving beams
MA4XY8	Proprietary and Confidential - ACME Enterprise Applied Laser Research
MQ7PTW	Proprietary and Confidential - ACME Enterprises Applied Laser Research
N87WK3	PXL_20221209_200901321.jpg
N8EREB	Title: Proprietary and Confidential - ACME Enterprises Applied Laser Research File Name: PXL_20221209_200901321.jpg
NWDCJ9	Proprietary and Confidential - ACME Enterprises Applied Laser Research
P3APJ7	Proprietary and Confidential - ACME Enterprises Applied Laser Research
Q6T4M7	Proprietary and Confidential - ACME Enterprises Applied Laser Research
Q8LWHP	Proprietary and Confidential - ACME Enterprises Applied Laser Research
QH3LGU	Proprietary and Confidential - ACME Enterprises Applied Laser Research
QLJ2QM	Proprietary and Confidential - ACME Enterprises Applied Laser Research
QMA86R	proprietary and confidential - acme
R3K7TP	Proprietary and Confidential - ACME Enterprises Applied Laser Research
R3L9EM	Proprietary and Confidential - ACME Enterprises Applied Laser Research
RBEEEDF	Proprietary and Confidential - ACME Enterprises Applied Laser Research
RBFD8N	Proprietary and Confidential - ACME Enterprises Applied Laser Research
RVVC8P	Proprietary and Confidential - ACME Enterprises Applied Laser Research
TJ4JKL	Proprietary and Confidential - ACME Enterprises Applied Laser Research
TUL32X	Proprietary and Confidential - ACME Enterprises Applied Laser Research
TWBC8R	Proprietary and Confidential - ACME Enterprises Applied Laser Research
U3C7KK	Proprietary and Confidential - ACME Enterprises Applied Laser Research
U3ZAFF	Proprietary and Confidential - ACME Applied Laser Research
U7WXU3	Proprietary and Confidential - ACME Enterprises Applied Laser Research
V3D6ET	Proprietary and Confidential - ACME Enterprises Applied Laser Research
VENVYF	Proprietary and Confidential - ACME Enterprises Applied Laser Research

TABLE 1

Question 29 - Examination Questions	
WebCode	Response
VFK9L9	PXL_20221209_200901321.jpg
VGQQK6	Optics for launching and receiving Beams
VHAF76	Optics for launching and receiving Beams
W7B2LY	OPTICS FOR LAUNCHING AND RECEIVING BEAMS
WB2HRX	Proprietary and Confidential - ACME Enterprises Applied Laser Research
WCFVJ2	Proprietary and Confidential - ACME Enterprises Applied Laser Research OPTICS FOR LAUNCHING AND RECEIVING BEAMS
WTK8BQ	OPTICS FOR LAUNCHING AND RECEIVING BEAMS
WV4LD7	Proprietary and Confidential - ACME Enterprises Applied Laser Research
X8F7CT	Proprietary and Confidential - ACME Enterprises Applied Laser Research
YGJTK	Proprietary and Confidential - ACME Enterprises Applied Laser Research
Z3ENAH	ACME Enterprises Applied Laser Research / OPTICS FOR LAUNCHING AND RECEIVING BEAMS
ZF6DAN	Proprietary and Confidential - ACME Enterprises Applied Laser Research

Question 29: Provide the title shown on the document of the file with MD5 hash 36e3feaf5b3e8102b4ce2e939a0588ab.

Consensus Result: Proprietary and Confidential – ACME Enterprises Applied Laser Research and variations representing similar information

Expected Response Explanation:

Searching files by the provided hash finds /data/media/0/DCIM/Camera/PXL_20221209_200901321.jpg.

TABLE 1

Question 29 - Examination Questions

Expected Response Illustration:

PXL_20221209_200901321.jpg

Proprietary and Confidential – ACME Enterprises Applied Laser Research

OPTICS FOR LAUNCHING AND RECEIVING BEAMS 11

FIGURE 1.4 Focusing a collimated parallel beam: (a) with a convex lens, (b) with a concave lens, (c) with a concave mirror, and (d) with a convex mirror.

of an input object to an output image of different size and location (Figure 1.5). An object U_o is at distance d_o (o for object) in front of the lens L of focal length f . A copy, called the image U_i (i for image), is located at a distance d_i behind the lens (o and i are not to be confused with output and input). For a sharp image, the lens equation must be satisfied.

$$\frac{1}{d_o} + \frac{1}{d_i} = \frac{1}{f} \quad \text{and} \quad m = \frac{-d_i}{d_o} \quad (1.24)$$

FIGURE 1.5 Imaging with a single thin lens.

TABLE 1

Question 30 - Examination Questions

Question 30: Who (provide full name) is listed in the metadata as the "Author/Creator" of the file s41377-020-0312-1.docx?

Manufacturer's Mitchell Michaels

Expected Response:

WebCode	Response
22HQDV	Mltchell Michaels
34Z6GW	Mitchell Michaels
37XAJF	Mltchell Michaels
3BYWKJ	Mitchell Michaels or Mltchell Michaels
3DN6QE	Mltchell Michaels
3WZTHD	Mltchell Michaels
4BX4KQ	Mltchell Michaels
4F7P9M	Mltchell Michaels
4MTC7E	Mitchell Michaels
4PBRDK	Mltchell Michaels
4PZPRL	Mltchell Michaels or Mitchell Michaels
4R2ZJF	Mitchell Michaels
4RM9TJ	Mltchell Michaels.
4RZXXH	Mltchell Michaels
4ZH8LE	Mltchell Michaels
4ZHELK	Mltchell Michaels
64BVCK	Mitchell Michaels
6VGPHJ	Mltchell Michaels
724QKG	Mltchell Michaels
7AYVBX	Mltchell Michaels
7DY4HT	Mltchell Michaels
7HR4ZU	Mltchell Michaels
7YEGEM	Mitchell Michaels
8C2ZHQ	Mltchell Michaels
8CHAEX	Mltchell Michaels
9APXVH	Mltchell Michaels
9T9NG8	Unable to find
9V9MJN	Mltchell Michaels
AL2HWQ	Mltchell Michaels

TABLE 1

Question 30 - Examination Questions	
WebCode	Response
B8VLDN	Mltchell Michaels
BLTM3H	Mltchell Michaels
BMCKHP	Mltchell Michaels
BN2TNJ	Mltchell Michaels
CPVT8G	Mltchell Michaels
CTTJ6F	Mitchell Michaels
CV2RFK	Mltchell Michaels
CWRXUQ	Mltchell Michaels
CXQYZH	Mltchell Michaels
E7PFFD	Mitchell Michaels
EKCVEE	Mltchell Michaels
ELRXH9	Mltchell Michaels
EP26TB	Mltchell Michaels
F7KHMT	Mltchell Michaels
F7KMVA	Mltchell Michaels
G7DUED	Mltchell Michaels
GAEYA7	Mltchell Michaels or Mitchell Michaels
GC46U4	Mltchell Michaels
GKJQXF	Mltchell Michaels
GLUQXF	Mltchell Michaels
GYGV7D	Mltchell Michaels
HHA2AW	Mltchell Michaels
HQJKEE	Mltchell Michaels
J2YUER	Mltchell Michaels
J6GR9A	Mltchell Michaels
JH6Y24	Mltchell Michaels
JHKHNM	Thomas Zentgraf
JQX7MV	Mltchell Michaels
JQZ7F4	Mitchell Michaels
JRDTXH	Mltchell Michaels
JX2BEE	Mltchell Michaels
K4H9HR	Mltchell Michaels

TABLE 1

Question 30 - Examination Questions	
WebCode	Response
K9DZRA	Mitchell Michaels
KG86LB	Mltchell Michaels
KUFQ8P	Mltchell Michaels (The "l" in Mitchell is capatalized)
LLYX3	Not within laboratory's scope
M6PCZ9	Basudeb Sain and Thomas Zentgraf
M94ZK6	Mltchell Michaels
MA4XY8	Mitchell Michaels
MQ7PTW	Mltchell Michaels
N87WK3	Mltchell Michaels
N8EREB	Mltchell Michaels
NWDCJ9	Mltchell Michaels
P3APJ7	Mltchell Michaels
Q6T4M7	Mltchell Michaels
Q8LWHP	Mltchell Michaels
QH3LGU	Mltchell Michaels
QLJ2QM	Mltchell Michaels
QMA86R	Mltchell Michaels
R3K7TP	Mltchell Michales
R3L9EM	Mltchell Michaels
RBEEFD	Mltchell Michaels
RBFD8N	Mitchell Michaels
RVVC8P	mitchelldmichaels@gmail.com
TJ4JKL	Mltchell Michaels
TUL32X	Mlchell Michaels
TWBC8R	Mltchell Michaels
U3C7KK	Mltchell Michaels
U3ZAFF	Mltchell Michaels
U7WXU3	Mltchell Michaels
V3D6ET	Mltchell Michaels
VENVYF	Mltchell Michaels
VFK9L9	Mltchell Michaels
VGQQK6	Mitchell Michaels

TABLE 1

Question 30 - Examination Questions	
WebCode	Response
VHAF76	Mitchell Michaels
W7B2LY	Mltchell Michaels
WB2HRX	Mltchell Michaels
WCFVJ2	Mltchell Michaels
WTK8BQ	Mltchell Michaels
WV4LD7	Mitchell Michaels
X8F7CT	Mltchell Michaels
YGJTK	Mltchell Michaels
Z3ENAH	Mltchell Michaels
ZF6DAN	Mltchell Michaels

Question 30: Who (provide full name) is listed in the metadata as the “Author/Creator” of the file s41377-020-0312-1.docx?

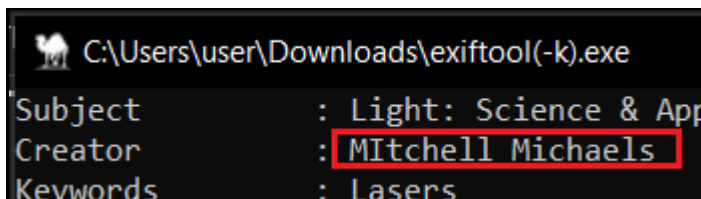
Consensus Result: Mltchell Michaels

Expected Response Explanation:

Reviewing the metadata in MS Word or with a tool like Exiftool will show the “Creator.”

Expected Response Illustration:

Exiftool parse of s41377-020-0312-1.docx



core.xml embedded metadata from s41377-020-0312-1.docx\docProps

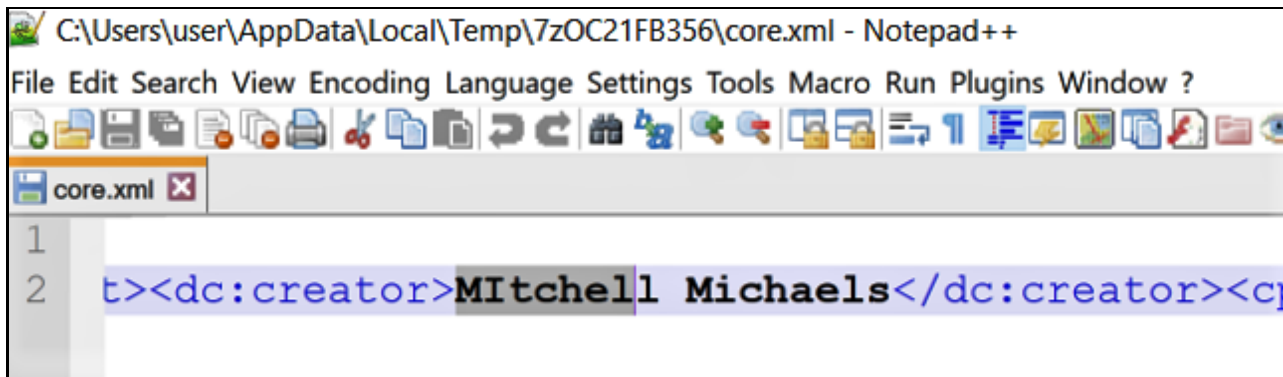


TABLE 1

Question 31 - Examination Questions

Question 31: What text is contained in the watermark for s41377-020-0312-1.docx?

Manufacturer's Proprietary and Confidential – ACME Applied Laser Research

Expected Response:

WebCode	Response
22HQDV	Proprietary and Confidential - ACME Applied Laser Research
34Z6GW	Proprietary and Confidential - ACME Enterprises Applied Laser Research
37XAJF	Proprietary and Confidential - ACME Applied Laser Research
3BYWKJ	Proprietary and Confidential - ACME Applied Laser Research
3DN6QE	Proprietary and Confidential - ACME Applied Laser Research
3WZTHD	Proprietary and Confidential - ACME Applied Laser Research
4BX4KQ	Proprietary and Confidential - ACME Applied Laser Research
4F7P9M	Proprietary and Confidential - ACME Applied Laser Research
4MTC7E	Proprietary and Confidential - ACME Enterprises Applied Laser Research
4PBRDK	Proprietary and Confidential - ACME Enterprises Applied Laser Research
4PZPRL	Proprietary and Confidential - ACME Applied Laser Research
4R2ZJF	Proprietary and Confidential - ACME Applied Laser Research
4RM9TJ	Proprietary and Confidential - ACME Applied Laser Research
4RZXXH	Proprietary and Confidential - ACME Applied Laser Research
4ZH8LE	Proprietary and Confidential - ACME Applied Laser Research
4ZHELK	Proprietary and Confidential - ACME Applied Laser Research
64BVCK	Proprietary and Confidential - ACME Laser Research
6VGPHJ	Proprietary and Confidential - ACME Applied Laser Research
724QKG	Proprietary and Confidential - ACME Applied Laser Research
7AYVBX	Proprietary and Confidential - ACME Applied Laser Research
7DY4HT	Proprietary and Confidential - ACME Applied Laser Research
7HR4ZU	Proprietary and Confidential - ACME Applied Laser Research
7YEGEM	Published online: 23 April 2020
8C2ZHQ	Proprietary and Confidential - ACME Enterprises Applied Laser Research
8CHAEX	Proprietary and Confidential - ACME Applied Laser Research
9APXVH	Proprietary and Confidential - ACME Enterprises Applied Laser Research
9T9NG8	Proprietary and Confidential - ACME Applied Laser Research
9V9MJN	Proprietary and Confidential - ACME Applied Laser Research
AL2HWQ	Proprietary and Confidential - ACME Applied Laser Research

TABLE 1

Question 31 - Examination Questions	
WebCode	Response
B8VLDN	Proprietary and Confidential - ACME Applied Laser Research
BLTM3H	Proprietary and Confidential - ACME Applied Laser Research
BMCKHP	Proprietary and Confidential - ACME Applied Laser Research
BN2TNJ	Proprietary and Confidential - ACME Applied Laser Research
CPVT8G	Proprietary and Confidential - ACME Applied Laser Research
CTTJ6F	Proprietary and Confidential - ACME Applied Laser Research
CV2RFK	Proprietary and Confidential - ACME Enterprises Applied Laser Research
CWRXUQ	Proprietary and Confidential - ACME Applied Laser Research
CXQYZH	Proprietary and Confidential - ACME Applied Laser Research
E7PFFD	Proprietary and Confidential - ACME Applied Laser Research
EKCVEE	Proprietary and Confidential - ACME Applied Laser Research
ELRXH9	Proprietary and Confidential - ACME Applied Laser Research
EP26TB	Proprietary and Confidential - ACME Applied Laser Research
F7KHMT	Proprietary and Confidential - ACME Applied Laser Research
F7KMVA	Proprietary and Confidential - ACME Applied Laser Research
G7DUED	Proprietary and Confidential - ACME Applied Laser Research
GAEYA7	Proprietary and Confidential - ACME Applied Laser Research
GC46U4	Proprietary and Confidential - ACME Applied Laser Research
GKJQXF	Proprietary and Confidential - ACME Enterprises Applied Laser Research
GLUQXF	Proprietary and Confidential - ACME Applied Laser Research
GYGV7D	Proprietary and Confidential - ACME Applied Laser Research
HHA2AW	Proprietary and confidential - ACME enterprises applied laser research
HQJKEE	Proprietary and Confidential - ACME Applied Laser Research
J2YUER	Proprietary and Confidential - ACME Enterprises Applied Laser Research
J6GR9A	Proprietary and Confidential - ACME Applied Laser Research
JH6Y24	Proprietary and Confidential - ACME Applied Laser Research
JHKHNM	Proprietary and Confidential ACME Applied Laser Research
JQX7MV	Proprietary and Confidential - ACME Applied Laser Research
JQZ7F4	Proprietary and Confidential - ACME Applied Laser Research
JRDTXH	Proprietary and Confidential - ACME Applied Laser Research
JX2BEE	Proprietary and Confidential - ACME Applied Laser Research
K4H9HR	Proprietary and Confidential - ACME Applied Laser Research

TABLE 1

Question 31 - Examination Questions	
WebCode	Response
K9DZRA	Proprietary and Confidential - ACME Applied Laser Research
KG86LB	Proprietary and Confidential - ACME Applied Laser Research
KUFQ8P	Proprietary and Confidential - ACME Applied Laser Research
LLXYX3	Proprietary and Confidential - ACME Applied Laser Research
M6PCZ9	Proprietary and Confidential - ACME Applied Laser Research
M94ZK6	Proprietary and Confidential - ACME Applied Laser Research
MA4XY8	Proprietary and Confidential - ACME Applied Laser Research
MQ7PTW	Proprietary and Confidential - ACME Applied Laser Research
N87WK3	Proprietary and Confidential - ACME
N8EREB	Proprietary and Confidential - ACME Applied Laser Research
NWDCJ9	Proprietary and Confidential - ACME Applied Laser Research
P3APJ7	Proprietary and Confidential - ACME Applied Laser Research
Q6T4M7	Proprietary and Confidential - ACME Applied Laser Research
Q8LWHP	Proprietary and Confidential - ACME Applied Laser Research
QH3LGU	Proprietary and Confidential - ACME Applied Laser Research
QLJ2QM	Proprietary and Confidential - ACME Applied Laser Research
QMA86R	proprietary and confidential - acme applied laser research
R3K7TP	Proprietary and Confidential - ACME Applied Laser Research
R3L9EM	Proprietary and Confidential - ACME Applied Laser Research
RBEEDF	Proprietary and Confidential - ACME Applied Laser Research
RBFD8N	Proprietary and Confidential - ACME Enterprises Applied Laser Research
RVVC8P	Proprietary Confidential - ACME Applied Laser Research
TJ4JKL	Proprietary and Confidential - ACME Applied Laser Research
TUL32X	Proprietary and Confidential - ACME Applied Laser Research
TWBC8R	Proprietary and Confidential - ACME Applied Laser Research
U3C7KK	Proprietary and Confidential - ACME Applied Laser Research
U3ZAFF	Proprietary and Confidential - ACME Applied Laser Research
U7WXU3	Proprietary and Confidential - ACME Applied Laser Research
V3D6ET	Proprietary and Confidential - ACME Enterprises Applied Laser Research
VENVYF	Proprietary and Confidential - ACME Applied Laser Research
VFK9L9	Proprietary and Confidential - ACME Applied Laser Research
VGQQK6	Proprietary and Confidential - ACME Enterprises Applied Laser Research

TABLE 1

Question 31 - Examination Questions	
WebCode	Response
VHAF76	Proprietary and Confidential - ACME Enterprises Applied Laser Research
W7B2LY	Proprietary and Confidential - ACME Enterprises Applied Laser Research
WB2HRX	Proprietary and Confidential - ACME Applied Laser Research
WCFVJ2	Proprietary and Confidential - ACME Applied Laser Research
WTK8BQ	proprietary and confidential - ACME Applied Laser Research
WV4LD7	Proprietary and Confidential - ACME Applied Laser Research
X8F7CT	Proprietary and Confidential - ACME Applied Laser Research
YGJTK	Proprietary and Confidential - ACME Applied Laser Research
Z3ENAH	Proprietary and Confidential - ACME Applied Laser Research
ZF6DAN	Proprietary and Confidential - ACME Applied Laser Research

Question 31: What text is contained in the watermark for s41377-020-0312-1.docx?

Consensus Result: "Proprietary and Confidential – ACME Applied Laser Research" and variations representing the similar information.

Expected Response Explanation:

This information can be found by opening the file in MS Word and viewing the watermark settings.

Expected Response Illustration:

Watermark settings in MS Word

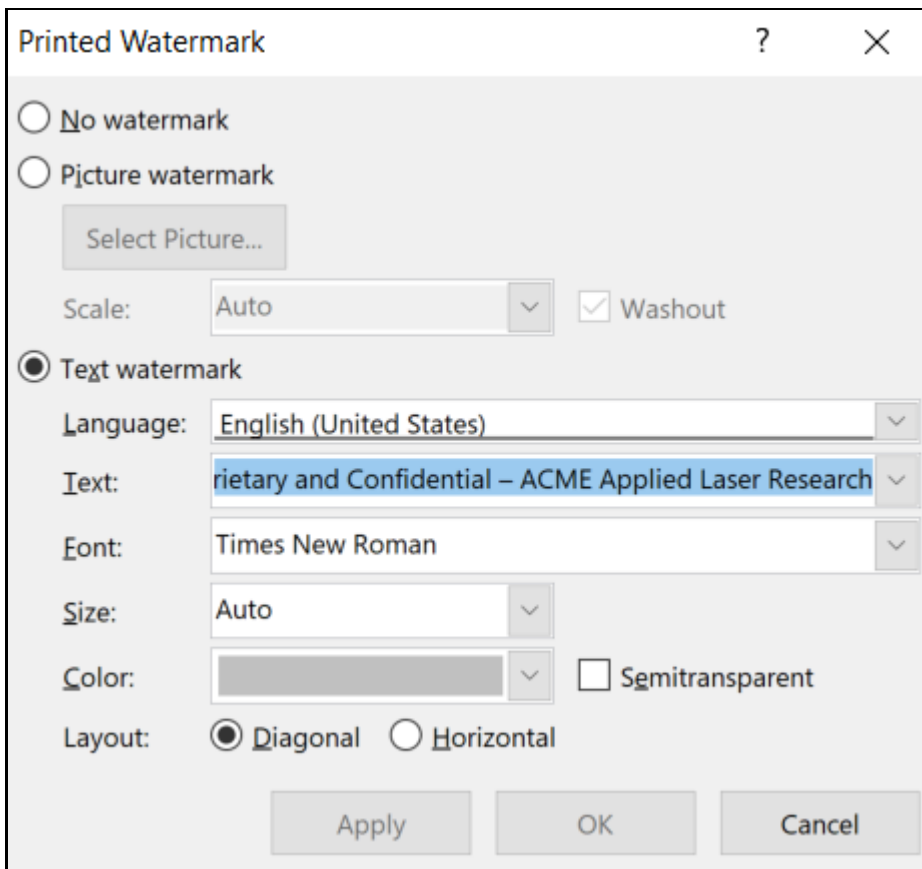


TABLE 1

Question 31 - Examination Questions

TABLE 1

Question 32 - Examination Questions

Question 32: On what date was the mail.com app installed? Provide your response as YYYY-MM-DD using the date picker.

Manufacturer's 2022-11-11

Expected Response:

WebCode	Response
22HQDV	2022-11-11
34Z6GW	2022-11-11
37XAJF	2022-11-11
3BYWKJ	2022-11-11
3DN6QE	2022-11-11
3WZTHD	2022-11-11
4BX4KQ	2022-11-11
4F7P9M	2022-11-11
4MTC7E	2022-11-11
4PBRDK	2022-11-11
4PZPRL	2022-11-11
4R2ZJF	2022-11-11
4RM9TJ	2022-11-11
4RZXXH	2022-11-11
4ZH8LE	2022-11-11
4ZHELK	2022-11-11
64BVCK	2022-11-11
6VGPHJ	2022-11-11
724QKG	2022-11-11
7AYVBX	2022-11-11
7DY4HT	2022-11-11
7HR4ZU	2022-11-11
7YEGEM	2022-11-11
8C2ZHQ	2022-11-11
8CHAEX	2022-11-11
9APXVH	2022-11-11
9T9NG8	2022-11-11
9V9MJN	2022-11-11
AL2HWQ	2022-11-11

TABLE 1

Question 32 - Examination Questions	
WebCode	Response
B8VLDN	2022-11-11
BLTM3H	2022-11-11
BMCKHP	2022-11-11
BN2TNJ	2022-11-11
CPVT8G	2022-11-11
CTTJ6F	2022-11-11
CV2RFK	2022-11-11
CWRXUQ	2022-11-11
CXQYZH	2022-11-11
E7PFFD	2022-11-11
EKCVEE	2022-11-11
ELRXH9	2022-11-11
EP26TB	2022-11-11
F7KHMT	2022-11-11
F7KMVA	2022-11-11
G7DUED	2022-11-11
GAEYA7	2022-11-11
GC46U4	2022-11-11
GKJQXF	2022-11-11
GLUQXF	2022-11-11
GYGV7D	2022-11-11
HHA2AW	2022-11-11
HQJKEE	2022-11-11
J2YUER	2022-11-11
J6GR9A	2022-11-11
JH6Y24	2022-11-11
JHKHNM	2022-11-11
JQX7MV	2022-11-11
JQZ7F4	2022-11-11
JRDTXH	2022-11-11
JX2BEE	2022-11-11
K4H9HR	2022-11-11

TABLE 1

Question 32 - Examination Questions	
WebCode	Response
K9DZRA	2022-11-11
KG86LB	2022-11-11
KUFQ8P	2022-11-11
LLXYX3	2022-11-11
M6PCZ9	2022-11-11
M94ZK6	2022-11-11
MA4XY8	2022-11-11
MQ7PTW	2022-11-11
N87WK3	2022-11-11
N8EREB	2022-11-11
NWDCJ9	2022-11-11
P3APJ7	2022-11-11
Q6T4M7	2022-11-11
Q8LWHP	2022-11-11
QH3LGU	2022-11-11
QLJ2QM	2022-11-11
QMA86R	2022-11-11
R3K7TP	2022-11-11
R3L9EM	2022-11-11
RBEEDE	2022-11-11
RBFD8N	2022-11-11
RVC8P	2022-11-11
TJ4JKL	2022-11-11
TUL32X	2022-11-11
TWBC8R	2022-11-11
U3C7KK	2022-11-11
U3ZAFF	2022-11-11
U7WXU3	2022-11-11
V3D6ET	2022-11-11
VENVYF	2022-11-11
VFK9L9	2022-11-11
VGQQK6	2022-11-11

TABLE 1

Question 32 - Examination Questions	
WebCode	Response
VHAF76	2022-11-11
W7B2LY	2022-11-11
WB2HRX	2022-11-11
WCFVJ2	2022-11-11
WTK8BQ	2022-11-11
WV4LD7	2022-11-11
X8F7CT	2022-11-11
YGJTK	2022-11-11
Z3ENAH	2022-11-11
ZF6DAN	2022-11-11

Question 32: On what date was the mail.com app installed? Provide your response as YYYY-MM-DD using the date picker.

Consensus Result: 2022-11-11

Expected Response Explanation:

Installed application information is found in /data/user/0/com.android.vending/databases/localappstate.db.

Expected Response Illustration:

mail.com app install information

Installed Applications (346)					
Insights		Table View			
Clear filters					
Export Filters Actions mail					
Name	Purchase Date	Version	Identifier	Application ID	
mail.com: Secure Email & Cloud	11/11/2022 9:00:57 PM(UTC+...)	7.14	com.mail.mobile.android...		

TABLE 1

Question 33 - Examination Questions

Question 33: What address (provide full address) did the user store as their work address in Google Maps?

Manufacturer's 43811 Central Station Dr, Ashburn, VA 20147

Expected Response:

WebCode	Response
22HQDV	43811 Central Station Dr, Ashburn, VA 20147
34Z6GW	43811 Central Station Dr. Ashburn VA 20147
37XAJF	43811 Central Station Dr, Ashburn, VA, 20147
3BYWKJ	43811 Central Station Dr, Ashburn, VA 20147
3DN6QE	+43811 Central Station Dr, Ashburn, VA 20147
3WZTHD	43811 Central Station Dr, Ashburn, VA 20147
4BX4KQ	43811 Central Station Dr, Ashburn, VA 20147
4F7P9M	43811 Central Station Dr, Ashburn, VA 20147
4MTC7E	Proprietary and Confidential – ACME Enterprises Applied Laser Research
4PBRDK	43811 Central Station Dr, Ashburn, VA 20147
4PZPRL	43811 Central Station Dr, Ashburn, VA 20147
4R2ZJF	43811 Central Station Dr, Ashburn, VA 20147
4RM9TJ	43811 Central Station Dr, Ashburn, VA 20147
4RZXXH	43811 Central Station Dr, Ashburn, VA 20147, USA
4ZH8LE	43811 Central Station Dr, Ashburn, VA 20147
4ZHELK	43811 Central Station Dr, Ashburn, VA 20147
64BVCK	43811 Central Station Dr, Ashburn, VA 20147
6VGPHJ	43811 Central Station Dr, Ashburn, VA 20147
724QKG	43811 Central Station Dr, Ashburn, VA 20147
7AYVBX	43811 Central Station Dr, Ashburn, VA 20147, USA
7DY4HT	43811 Central Station Dr #100, Ashburn, VA 20147
7HR4ZU	43811 Central Station Dr, Ashburn, VA 20147
7YEGEM	4320 Chantilly Shopping Center - 4320 Chantilly Shopping Centre - Chantilly, VA 20151
8C2ZHQ	39.043124,-77.4372128 Work2+43811 Central Station Dr, Ashburn, VA 201478 The Zone2043811 Central Station Dr #100, Ashburn, VA 201478
8CHAEX	43811 Central Station Dr, Ashburn, VA 20147
9APXVH	43811 Central Station Dr, Ashburn, VA 20147
9T9NG8	Unable to find
9V9MJN	43811 Central Station Dr, Ashburn, VA 20147

TABLE 1

Question 33 - Examination Questions	
WebCode	Response
AL2HWQ	43811 Central Station Dr, Ashburn, VA 20147
B8VLDN	43811 Central Station Dr, Ashburn, VA 20147
BLTM3H	43811 Central Station Dr, Ashburn, VA 20147
BMCKHP	43811 Central Station Dr, Ashburn, VA 20147
BN2TNJ	43811 Central Station Dr, Ashburn, VA 20147
CPVT8G	43811 Central Station Dr, Ashburn, VA 20147
CTTJ6F	43811 Central Station Dr, Ashburn, VA 20147, USA
CV2RFK	43811 Central Station Dr, Ashburn, VA 20147
CWRXUQ	43811 Central Station Dr, Ashburn, VA 20147
CXQYZH	43811 Central Station Dr, Ashburn, VA 20147
E7PFFD	43811 Central Station Dr, Ashburn, VA 20147
EKCVEE	43811 Central Station Dr, Ashburn, VA 20147
ELRXH9	Unknown
EP26TB	43811 Central Station Dr, Ashburn, VA 20147
F7KHMT	43811 Central Station Dr., Ashburn, VA 201478
F7KMVA	43811 Central Station Dr, Ashburn, VA 20147
G7DUED	43811 Central Station Dr, Ashburn, VA 20147
GAEYA7	43811 Central Station Dr, Ashburn, VA 20147
GC46U4	43811 Central Station Dr, Ashburn, VA 201478
GKJQXF	43811 Central Station Dr, Ashburn, VA 20147
GLUQXF	43811 Central Station Dr, Ashburn, VA 20147
GYGV7D	43811 Central Station Dr, Ashburn, VA 20147
HHA2AW	43811 Central Station Dr #100, Ashburn, VA 20147
HQJKEE	43811 Central Station Dr, Ashburn, VA 20147
J2YUER	43811 Central Station Dr, Ashburn, Virginia 20147r
J6GR9A	43811 Central Station Dr, Ashburn, VA 20147
JH6Y24	43811 Central Station Dr, Ashburn, VA 20147
JHKHNM	+43811 Central Station Dr, Ashburn, VA 20147.
JQX7MV	43811 Central Station Dr, Ashburn, VA 20147
JQZ7F4	43811 THE ZONE, CENTRAL STATION DRIVE #100, ASHBURN, VA 20147
JRDTXH	43811 Central Station Dr, Ashburn, VA 20147
JX2BEE	43811 Central Station Dr, Ashburn, VA 20147

TABLE 1

Question 33 - Examination Questions	
WebCode	Response
K4H9HR	43811 Central Station Dr, Ashburn, VA 20147
K9DZRA	43811 Central Station Dr, Ashburn, VA 20147
KG86LB	43811 Central Station Dr, Ashburn, VA 20147
KUFQ8P	43811 Central Station Dr, Ashburn, VA 20147
LLYX3	43811 Central Station Drive, Ashburn, VA 20147
M6PCZ9	1600 Amphitheatre Parkway, Mountain View, CA 94043
M94ZK6	43811 Central Station Dr, Ashburn, VA 201478
MA4XY8	43811 Central Station Dr, Ashburn, VA 20147
MQ7PTW	43811 Central Station Dr, Ashburn, VA 20147
N87WK3	43811 Central Station Dr, Ashburn, VA 20147, USA
N8EREB	43811 Central Station Dr, Ashburn, VA 20147
NWDCJ9	43811 Central Station Dr, Ashburn, VA 20147
P3APJ7	The Zone, 43811 Central Station Dr #100, Ashburn, VA 20147
Q6T4M7	43811 Central Station Dr, Ashburn, VA 20147
Q8LWHP	43811 Central Station Dr, Ashburn, VA 20147
QH3LGU	43811 Central Station Dr, Ashburn, VA 201478
QLJ2QM	43811 Central Station Dr, Ashburn, VA 20147
QMA86R	43811 Central Station Dr, Ashburn, VA 20147
R3K7TP	43811 Central Station Dr, Ashburn, VA 20147
R3L9EM	43811 Central Station Dr #100, Ashburn, VA 20147, USA
RBEEEDF	43811 Central Station Dr, Ashburn, VA 201478
RBFD8N	43811 Central Station Dr. Ashburn, VA 20147
RVVC8P	Not within laboratory's scope
TJ4JKL	43811 Central Station Dr, Ashburn, VA 20147
TUL32X	43811 Central Station Dr. Ashburn, VA 20147
TWBC8R	43811 Central Station Dr #100, Ashburn, VA 20147
U3C7KK	43811 Central Station Dr, Ashburn, VA 20147
U3ZAFF	43811 Central Station Dr, Ashburn, VA 20147, USA
U7WXU3	Work2+43811 Central Station Dr, Ashburn, VA 201478 The Zone2043811 Central Station Dr #100, Ashburn, VA 201478
V3D6ET	43811 Central Station Dr, Ashburn, VA 201473
VENVYF	43811 Central Station Dr, Ashburn, VA 20147
VFK9L9	43811 Central Station Dr, Ashburn, VA 20147

TABLE 1

Question 33 - Examination Questions	
WebCode	Response
VGQQK6	43811 Central Station Dr. Ashburn VA 20147
VHAF76	43811 Central Station Dr. Ashburn VA 20147
W7B2LY	43811 Central Station Dr, Ashburn, VA 20147
WB2HRX	43811 Central Station Dr, Ashburn, VA 201478
WCFVJ2	43811 Central Station Dr, Ashburn, VA 20147
WTK8BQ	43811 Central Station Dr, Ashburn, VA 20147
WV4LD7	43811 Central Station Dr, Ashburn, VA 20147
X8F7CT	43811 Central Station Dr, Ashburn, VA 20147
YGJGTK	43811 Central Station Dr #100, Ashburn, VA 20147, USA
Z3ENAH	+43811 Central Station Dr, Ashburn, VA 20147
ZF6DAN	43811 Central Station Dr, Ashburn, VA 20147

Question 33: What address (provide full address) did the user store as their work address in Google Maps?

Consensus Result: 43811 Central Station Dr, Ashburn, VA 20147 and variations representing similar information

Expected Response Explanation:

Google Maps 'favorited' locations are stored in /data/user/0/com.google.android.apps.maps/databases/gmm_myplaces.db. There are two location records in the sync_item table. One is the address 43811 Central Station Dr, Ashburn, VA 20147. Searching for this address across the extraction discovers the file /data/data/com.google.android.apps.maps/files/users/search/111391038998939887126/places/8. This file includes the tag "Work" for this address.

Expected Response Illustration:

gmm_myplaces.db

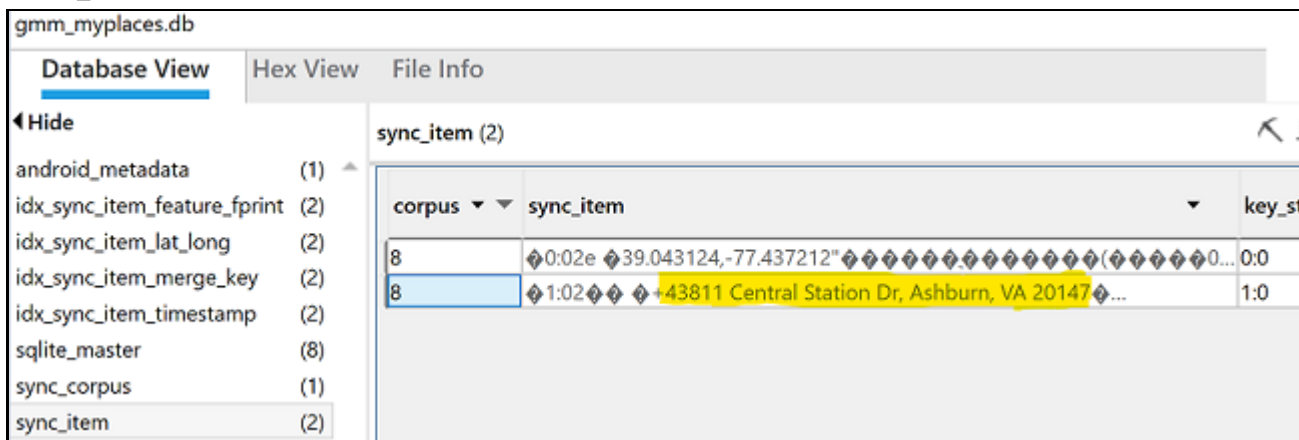


TABLE 1

Question 33 - Examination Questions

File 8

Name	Location
8	/LogicalFileSet1/Smart Phones_PDAs_Generic.Android.zip/Dump/data/data/com.google.android.apps.maps/files/users/search/111391038998939687126/places/8
Hex Text Application File Metadata OS Account Data Artifacts Analysis Results Context Annotations Other Occurrences	
Strings Indexed Text Translation	
Page: 1 of 1 Page Matches on page: 1 of 1 Match 100% Reset	
8 Home2 39.043124,-77.4372128 ^Hp- Work2+43811 Central Station Dr, Ashburn, VA 201478 The Zone2043811 Central Station Dr #100, Ashburn, VA 201478	

TABLE 1

Question 34 - Examination Questions

Question 34: Who (provide email address) sent an email to the phone owner at their "ACME" non-Gmail email address regarding having met them at the conference that day?

Manufacturer's Shannon.Ewe@cybergal.com

Expected Response:

WebCode	Response	** Inconsistencies not highlighted; No consensus achieved **
22HQDV	Shannon.Ewe@cybergal.com	
34Z6GW	cShannon.Ewe@cybergal.com	
37XAJF	Shannon.Ewe@cybergal.com	
3BYWKJ	Shannon.Ewe@cybergal.com	
3DN6QE	Shannon.Ewe@cybergal.com	
3WZTHD	Shannon.Ewe@cybergal.com	
4BX4KQ	Shannon.Ewe@cybergal.com	
4F7P9M	Shannon.Ewe@cybergal.com	
4MTC7E	MitchellDMichaels@gmail.com	
4PBRDK	robertabenson55@gmail.com	
4PZPRL	Shannon.Ewe@cybergal.com	
4R2ZJF	Shannon.Ewe@cybergal.com	
4RM9TJ	Shannon.Ewe@Cybergal.com	
4RZXXH	Shannon.Ewe@cybergal.com	
4ZH8LE	Shannon.Ewe@cybergal.com	
4ZHELK	Shannon.Ewe@cybergal.com	
64BVCK	MitchellMichaels.ACME@engineer.com	
6VGPHJ	Shannon.Ewe@cybergal.com	
724QKG	robertabenson55@gmail.com	
7AYVBX	MitchellMichaels.ACME@engineer.com	
7DY4HT	robertabenson55@gmail.com	
7HR4ZU	Shannon.Ewe@cybergal.com	
7YEGEM	robertabenson55@gmail.com	
8C2ZHQ	robertabenson55@gmail.com	
8CHAEX	Shannon.Ewe@cybergal.com	
9APXVH	Shannon.Ewe@cybergal.com	
9T9NG8	Unable to find	
9V9MJN	Shannon.Ewe@cybergal.com	
AL2HWQ	Shannon.Ewe@cybergal.com	

TABLE 1

Question 34 - Examination Questions		
WebCode	Response	** Inconsistencies not highlighted; No consensus achieved **
B8VLDN	Shannon.ewe@cybergal.com	
BLTM3H	robertabenson55@gmail.com	
BMCKHP	Shannon.ewe@cybergal.com	
BN2TNJ	Shannon.Ewe@cybergal.com	
CPVT8G	Shannon.Ewe@cybergal.com	
CTTJ6F	robertabenson55@gmail.com	
CV2RFK	Shannon.Ewe@cybergal.com	
CWRXUQ	Shannon.Ewe@cybergal.com	
CXQYZH	Shannon.Ewe@cybergal.com	
E7PFFD	rebertabenson55@gmail.com	
EKCVEE	Shannon Ewe - Email: Shannon.Ewe@cybergal.com	
ELRXH9	shannon.ewe@cybergal.com	
EP26TB	Shannon.Ewe@cybergal.com	
F7KHMT	Shannon.Ewe@cybergal.com	
F7KMVA	shannon.ewe@cybergal.com	
G7DUED	Shannon.Ewe@cybergal.com	
GAEYA7	Shannon.Ewe@cybergal.com	
GC46U4	Shannon.Ewe@cybergal.com	
GKJQXF	MitchellMichaels.ACME@engineer.com	
GLUQXF	Shannon.Ewe@cybergal.com	
GYGV7D	Shannon.Ewe@cybergal.com	
HHA2AW	MitchellMichaels.ACME@engineer.com	
HQJKEE	robertabenson55@gmail.com	
J2YUER	robertabenson55@gmail.com	
J6GR9A	Shannon.Ewe@cybergal.com	
JH6Y24	Shannon.Ewe@cybergal.com	
JHKHNM	robertabenson55@gmail.com	
JQX7MV	Shannon.Ewe@cybergal.com	
JQZ7F4	Shannon.ewe@cybergal.com	
JRDTXH	Shannon.Ewe@cybergal.com	
JX2BEE	Shannon.Ewe@cybergal.com	
K4H9HR	Shannon.Ewe@cybergal.com	

TABLE 1

Question 34 - Examination Questions		
WebCode	Response	** Inconsistencies not highlighted; No consensus achieved **
K9DZRA	robertabenson55@gmail.com	
KG86LB	Shannon.Ewe@cybergal.com	
KUFQ8P	Shannon.Ewe@cybergal.com	
LLYX3	Not within laboratory's scope	
M6PCZ9	MitchellMichaels.ACME@engineer.com	
M94ZK6	Shannon.Ewe@cybergal.com	
MA4XY8	robertabenson55@gmail.com	
MQ7PTW	MitchellMichaels.ACME@engineer.com	
N87WK3	robertabenson55@gmail.com	
N8EREB	"shannon.ewe@cybergal.com", recovered from mail_room.db file for mail.com app, sent to mitchellMichaels.ACME@engineer.com	
NWDCJ9	Shannon.Ewe@cybergal.com (Shannon Ewe)	
P3APJ7	Robertabenson55@gmail.com	
Q6T4M7	Shannon.Ewe@cybergal.com	
Q8LWHP	shannon.ewe@cybergal.com	
QH3LGU	Shannon.Ewe@cybergal.com	
QLJ2QM	Shannon.Ewe@cybergal.com	
QMA86R	robertabenson55@gmail.com	
R3K7TP	Shannon.Ewe@cybergal.com	
R3L9EM	MitchellMichaels.ACME@engineer.com	
RBEEDF	Shannon.Ewe@cybergal.com	
Rbfd8N	Shannon.Ewe@cybergal.com	
RWC8P	Not within laboratory's scope	
TJ4JKL	Shannon.Ewe@cybergal.com	
TUL32X	Shannon.Ewe@cybergal.com	
TWBC8R	Shannon.Ewe@cybergal.com	
U3C7KK	Shannon.Ewe@cybergal.com	
U3ZAFF	shannon.ewe@cybergal.com	
U7WXU3	Robertabenson55@gmail.com	
V3D6ET	Shannon.Ewe@cybergal.com	
VENVYF	shannon.ewe@cybergal.com	
VFK9L9	shannon.ewe@cybergal.com	
VGQQK6	cShannon.Ewe@cybergal.com	

TABLE 1

Question 34 - Examination Questions		
WebCode	Response	** Inconsistencies not highlighted; No consensus achieved **
VHAF76	Shannon.Ewe@cybergal.com	
W7B2LY	shannon.ewe@cybergal.com	
WB2HRX	Shannon.Ewe@cybergal.com	
WCFVJ2	Shannon.Ewe@cybergal.com	
WTK8BQ	robertabenson55@gmail.com	
WV4LD7	Shannon.Ewe@cybergal.com	
X8F7CT	shannon.ewe@cybergal.com	
YGJKTK	Shannon.Ewe@cybergal.com	
Z3ENAH	shannon.ewe@cybergal.com	
ZF6DAN	Shannon.Ewe@cybergal.com	

Question 34: Who (provide email address) sent an email to the phone owner at their "ACME" non-Gmail email address regarding having met them at the conference that day?

Consensus Result: A consensus was not achieved. Approximately 73% of participants reported the expected email address. Eighteen participants reported "robertabenson55@gmail.com" which was the original email address that sent the conference invitation but does not mention meeting at the conference and seven reported the recipient's (not the sender) email address "MitchellMichaels.ACME@engineer.com."

Expected Response Explanation:

Cached views of emails for the mail.com app can be found in data/data/com.mail.mobile.android.mail/cache/. data/data/com.mail.mobile.android.mail/cache/room_mail_bodies/4421451a-c693-42f5-98af-c96790c7d0a7/1669298631984699990.html contains the first message Mitch received from Shannon Ewe.

Expected Response Illustration:

data/data/com.mail.mobile.android.mail/cache/room_mail_bodies/4421451a-c693-42f5-98af-c96790c7d0a7/1669298631984699990.html

Just now seeing this. Weird.
 Yes yes. we should definitely compare notes. i'm w family today, but maybe tomorrow? are you working? i haven't decided yet

Sent: Sunday, November 20, 2022 at 2:25 PM
From: "Mitchell Michaels" <MitchellMichaels.ACME@engineer.com>
To: "Shannon Ewe" <shannon.ewe@cybergal.com>
Subject: Re: Laser Conference

Heyyyy!
 Yes it was. Hmu sometime. I'd love to hear about your project
 -MM
 1-571-579-2915
 --
 Sent from my Android phone with mail.com Mail. Please excuse my brevity.

On 11/18/22, 11:31 PM Shannon Ewe <Shannon.Ewe@cybergal.com> wrote:
 So nice to meet you at the conference today. Hope we can link up soon ;)
 -Shannon
 (703) 594-7989

Additional Comments

TABLE 2

WebCode	Additional Comments
22HQDV	Regarding to the answer of the question 29: The file with MD5 hash value: 36e3feaf5b3e8102b4ce2e939a0588ab , is a picture with the name: PXL_20221209_200901321.jpg , the title shown on the document of this file is : Proprietary and Confidential – ACME Entreprises Applied Laser Research and it was chosen regarding to its size and position on this document. In addition, another sub-title appears on the same document (PXL_20221209_200901321.jpg) which is : OPTICS FOR LAUNCHING AND RECEIVING BEAMS But it wasn't chosen because of its size (small) and position on this document.
4F7P9M	Q27: Answer is requested in EST, however timestamps are stored in the database as Webkit/Chrome times. These relate to an Epoch in UTC. No matches were found when this was translated to EST. Q8: The name entered in this answer is entered as it appears in the extraction and any spelling mistake is intentional. Q30: The name entered in this answer is entered as it appears in the extraction and any spelling mistake is intentional.
4PZPRL	Question 27- The result provided at this date and time is in UTC and not EST. Question 8 and Question 30- all variants of the name were provided as questions were unclear on how it should be reported.
7DY4HT	Number 14 was not located. This technique or tool may not be within our ability.
7HR4ZU	Question 27 – All of the other questions ask for the timezone to be in UTC but Question 27. In Question 27, the question states a timezone of EST which does not line up with any of the site visited. In UTC, the time lines up.
9APXVH	Question #29 - The Proprietary and Confidential – ACME Entreprises Applied Laser Research may not be a watermark or some other marking. There was nothing that directly stated "title". Question #27 - The question may have meant UTC not EST.
AL2HWQ	Question 21 shows two different numbers for the event. The first in the Subject line it shows 33rd but the URL shows 3rd. Both are being submitted.
B8VLDN	Question 2: SHA1 Base 16 or 32 was not specified so both were provided. Question 13. The username specified is listed as MitchellMichaels.ACME, but the email address is MitchellMichaels.ACME@engineer.com. Question 21. The event is listed as both the 3rd and 33rd Intl. Laser Engineers Assn. Keystone Professional Engagement Event. Question 27. The website visited was both the specific eventbrite one and also a google link leading to the same eventbrite URL. Also it is not at EST listed in the extraction.
CV2RFK	Question 2: Multiple SHA1 hash values (base16 or base32). Question 21: Two dates listed for the 3rd and 33rd in data. Question 27: Data not found in Eastern time zone. Also, two URLs for this question may exist; however, both lead to the same website.
F7KHMT	Question 21: An email from Roberta Benson quotes this event as being the 33rd event and not the 3rd event
GAEYA7	For Question 27, the result was found at the provided date and time, but in UTC instead of EST.
HHA2AW	Confusion in Q26 as no timezone is set in the question and the answer overlaps two days when answered in UTC00:00 26). On what date was the user scheduled for a "Date?" on their calendar? Provide your response as YYYYMM- DD using the date picker. Between 2022-12-09 & 2022-12-10
JQX7MV	Q21) The subject line indicates that this is the 33rd event; however, an included hyperlink and a subsequent ticket order email reference this event as the 3rd. Q27) No website was visited on 11/11/2022 21:42:45 EST. Based on a review of the web history records, it appears that the provided timestamp was intended to be in UTC because there are two records present at 16:42:45 PM EST. One record is a Google search query, and the other is an eventbrite.com page. Either record answers the question; however, the eventbrite.com page was selected because it appears to be more relevant.

TABLE 2

WebCode	Additional Comments
K4H9HR	Providing clear, straightforward questions with a specified response format is absolutely critical in this venue, as question ambiguity can lead to unnecessary response variation: Response format for the time of day in Question 16 is not specified (e.g. 7, 0700, 7:00, seven, seven o'clock, and/or 7 o'clock), nor can it be ascertained whether the referenced time of day occurs in the morning (AM) or evening (PM). The subject line of the email invitation in Question 21 erroneously references the "33rd" hosting of the event, whereas other artifacts indicate this is actually the "3rd" hosting of the event. Question 23 and Question 25 do not specify whether or not to include the extension with the filename in the response. Question 26 and Question 32 do not specify a time zone offset. The start and end times for the calendar entry referenced in Question 26 occur on different dates when reported in UTC, however, both would occur on the same date when converted to local (native) device time. Google Chrome last_visit_time values are stored relative to UTC and must be converted to local (native) device time. The timestamp cited in Question 27 should be referenced in "UTC" vice "EST".
MQ7PTW	Q32 - There does not appear to be an 'Install date', only a 'Purchase date'
N87WK3	I recommend providing Cellebrite Reader format for people who don't have access to it.
Q8LWHP	Due to timezones there is confusion in the question as it does not include the UTC setting for the answer to be given 26). On what date was the user scheduled for a "Date?" on their calendar? Provide your response as YYYY-MM-DD using the date picker. 2022-12-09 22:00 (UTC+0) to 2022-12-10 02:00 (UTC+0) 27). What website did the user visit with the Chrome browser on 11 November 2022 (2022-11-11) 21:42:45 EST? (Provide the full URL, i.e., https://site.tld/page/) https://www.eventbrite.com/e/3rd-intl-laser-engineers-assn-keystone-professional-engagement-event-tickets-466583121677 21:42:45 11th November EST is 02:42am Sat 12th November UTC. No entry at 02:42 Sat 12th November UTC but entry at 21:42:45 11/11/2022 have gone with the 21:42:45 UTC website.
QMA86R	Thank you~~~!!
RBEEDF	Question 23 is poorly worded. It asks for the "name of the document" sent in an email. If the tester is attempting to ask for the "title" of the document it should be explicated stated. This leaves too much room or interpretation, is the tester asking for the filename or the title of the document. The filename is: s41377-020-0312-1.docx and the title is: Metasurfaces help lasers to mode-lock Question 27 appears to be a typo. Unable to find any Chrome browser history for 2022-11-11 21:42:45 EST. A Chrome browser history entry was found for 2022-11-11 21:42:45 (UTC + 0). Extensive searches were conducted looking for any timestamps ending with HH:42:45. The only entry found was for 2022-11-11 21:42:45 (UTC +0) or 2022-11-11 16:42:45 (UTC -5).
RVWC8P	All answers answered with: 'Not within laboratory's scope' meant I was unable to locate the information on the UFED extraction on Physical Analyzer V. 7.60.1.9 or through a PDF/Excel report export of the data.
U3ZAFF	I believe there is an issue with question 27.
V3D6ET	Confusion in Q26 as no reference to timezone for the answer: 26). On what date was the user scheduled for a "Date?" on their calendar? Provide your response as YYYY-MM-DD using the date picker. 2022-12-09 22:00:00 (UTC+0) – 2022-12-10 02:00:00(UTC+0)
ZF6DAN	Question 3. File system extraction using ANDROID ADB (Reported by Cellebrite). Question 16. Voicemail recording says "Seven o'clock" and we documented it as 7:00. Question 21. We left the abbreviation to reflect the data being displayed.

-End of Report-
(Appendix may follow)