OCR
Oxford Cambridge and RSA

CAMBRIDGE TECHNICALS LEVEL 2 (2016)

Examiners' report

IT

05882, 05883, 05884

Unit 1 January 2022 series

Contents

Introduction

Our examiners' reports are produced to offer constructive feedback on candidates' performance in the examinations. They provide useful guidance for future candidates.

The reports will include a general commentary on candidates' performance, identify technical aspects examined in the questions and highlight good performance and where performance could be improved. The reports will also explain aspects which caused difficulty and why the difficulties arose, whether through a lack of knowledge, poor examination technique, or any other identifiable and explainable reason.

Where overall performance on a question/question part was considered good, with no particular areas to highlight, these questions have not been included in the report.

A full copy of the question paper is attached as an Appendix at the end of this report. The mark scheme can be downloaded from OCR.

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Unit 1 series overview

Entries for the January 2022 series were the highest ever, exceeding those of January 2019 and almost four times the level of January 2021.

General comments on the paper

Outcomes were pleasing overall, with the mean almost at the same level as in January 2019 which was the highest ever for a January series.

⟳	**AfL**	Centres are always advised to focus not only on the knowledge requirements across the five learning outcomes for this unit but also make sure learners are familiar with the different assessment styles used in this summative assessment – i.e. linking boxes, true/false, diagram-related questions and select 'three'. Learning Outcome 4 had particularly strong answers this series.

Learning outcome 1: questions 2, 3, 8, 13-15, 18, 23 and 29

This LO covers knowledge of hardware components and performance was generally strong. LO1 is one of the weightier LOs within the unit and as a result centres should spend more time with their learners developing knowledge around types of computer systems, networks, connectivity methods, topologies, network protocols, computer components, devices and fault diagnosis. Candidates performed well in all LO1 questions and did particularly well regarding access permissions for data stored on the cloud and knowing the protocol for sending and receiving files over the Internet.

Learning outcome 2: questions 1, 9, 19-21, 24-25, 28, 31 and 35

Performance on this LO was good overall; particularly given this is the heaviest weighted LO within the unit. Candidates found two questions more challenging, one which asked them to identify an image (which was a database), while the other asked for which terms described an app but not an application. Candidates did very well on questions asking what task could be carried out on a spreadsheet, what application would be used to view websites and whether a multi-platform game could run on more than one device.

Learning outcome 3: questions 4, 7, 17, 27, 33-34 and 39-40

The focus of LO3 builds on LO1 and LO2 and requires learners to demonstrate knowledge of how to install and upgrade hardware and software. Performance was good overall, with candidates performing particularly well on the question asking whether it is the responsibility of an employee to report anything unsafe. Candidates did not perform as well on the question about what shouldn't be included in a user acceptance test plan (a list of peripherals).

Learning outcome 4: questions 6, 10-12, 16, 22 and 36-37

Performance on this LO was the strongest of all, with learners demonstrating excellent knowledge of social media and security. Particularly strong performances were seen in questions about features of social media and business networking sites, naming a disadvantage of online shopping and the best form of communication for sending a long letter with related files (email). Candidates did not perform poorly in any LO4 questions.

Learning outcome 5: questions 5, 26, 30, 32 and 38

This LO carries the lowest weighting in the unit and performance of candidates was good. The LO is holistic in nature and draws together the learning from the unit to reflect on the practical uses of IT within business. The lowest outcomes were for the question asking what would be good practice when creating a presentation (they had to pick three out of five options). The highest performance was for the question linking three types of communication with relevant descriptions.

Appendix 1 Questions

Question 1

Item removed due to third party copyright restrictions

What type of software is shown in the screen shot above?

A Database

B Desktop publisher

C Spreadsheet

D Word processor

[1]

Question 2

Which **one** of the following describes a number of physically linked computers on one site?

A	LAN

B	SCAN

C	WAN

D	WLAN

[1]

Question 3

Laser, inkjet and 3D are different types of which **one** of the following output devices?

A	Graphics tablet

B	Plotter

C	Printer

D	Speaker

[1]

Question 4

Which **one** of the following is the responsibility of an employer?

A | Carrying out fitness checks

B | Monitoring blood pressure

C | Providing lunch

D | Providing training

[1]

Question 5

You are giving a presentation at a large business conference.

Which of the following would be good practice when creating a presentation? (Select **three**).

A | Make sure the content is exactly what you will say

B | Use a clear text style

C | Use a consistent slide style

D | Use a different animation for each slide

E | Use bullet points

[1]

Question 6

Which **one** of the following is a benefit of social media sites?

A | Cyberbullying

B | Posting inappropriate images

C | Reading fake news

D | Updating your profile

[1]

Question 7

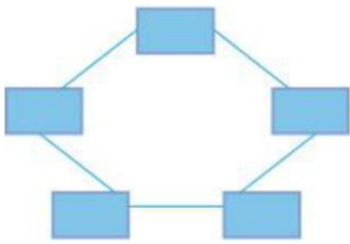Read the statement below and select if it is **true** or **false**.

It is a responsibility of an employee to tell a supervisor if anything is unsafe in the workplace.

True

False

[1]

Question 8

What type of network is shown above?

A | Bus

B | Mesh

C | Ring

D | Star

[1]

Question 9

Which of the following describes an app but **not** an application? (Select **three**).

A | Apps are available from an app store

B | Apps are designed to address a single set of needs

C | Apps are programs designed for end users

D | Apps are software

E | Apps are specifically designed for use on mobile devices

[1]

Question 10

Which **one** of the following would be most likely to be done on a business networking site?

A | Exchange recipes

B | Listen to music

C | Send and receive messages between contacts

D | Use virtual reality

[1]

Question 11

You have been sent an email asking you to confirm your login details for online banking.

Which **one** of the following describes what is happening?

A | A Trojan horse

B | A virus

C | Data manipulation

D | Phishing

[1]

Question 12

Drag and drop each task from the options below to the box that shows the technology used to complete it.

| Monitor your heart rate | Learn to fly an aircraft | Find out what is wrong with you |

Virtual reality

Fitness tracking

Expert system

[1]

Question 13

Read the statement below and select if it is **true** or **false**.

A company stores its data on the Cloud.

The company controls who can view the data stored on the Cloud by setting access permissions.

True

False

[1]

Question 14

Which of the following are types of connectivity ports? (Select **three**).

A	DVD

B	DVI

C	USB

D	VGA

E	VGC

[1]

Question 15

Drag and drop each fault diagnosis tool from the options below to the box that best describes its purpose.

Update Manager Device Manager POST

Detects if computer hardware is working correctly

Allows automatic downloads of software patches

Allows the user to view and control computer hardware

[1]

Question 16

Which **one** of the following is a disadvantage of online shopping?

A You can compare prices easily

B You can purchase goods at any time of day or night

C You can purchase goods from anywhere in the world

D You must have an internet connection

[1]

Question 17

What type of personal safety equipment is shown in the image above?

A	Anti-static mat

B	Anti-static wrist band

C	Safety glasses

D	Safety shoes

[1]

Question 18

Which **one** of the following types of memory keeps its data after the computer is switched off?

A	RAM

B	REM

C	ROM

D	RUM

[1]

Question 19

Which **one** of the following is a function of an operating system?

A   Controlling storage media

B   Formatting tables

C   Running queries

D   Sorting data

[1]

Question 20

Which **one** of these tasks would be carried out using spreadsheet software?

A   Calculating the profits for a month

B   Creating a multi-media presentation

C   Creating an image

D   Writing a letter

[1]

Question 21

Which **one** of the following is an application used to view websites?

A | Cloud

B | Event viewer

C | URL

D | Web browser

[1]

Question 22

Which **one** of the following is the best form of communication when sending a long letter with related files?

A | Email

B | Messaging

C | Video call

D | VoIP

[1]

Question 23

Which **one** of the following protocols is used for sending and receiving files over the internet?

A | FTP

B | HTTP

C | IP

D | TCP

[1]

Question 24

Drag and drop each type of system monitoring software from the options below to the box that best describes what it does.

Task Manager   Event Viewer   Performance Monitor

Allows you to examine how running programs affect the computer's efficiency

Shows logs of what has been happening on the computer

Provides details about programs and processes

[1]

Question 25

Firewalls are used to control the traffic going in and out of networks. The steps taken by a firewall are:

Drag and drop the steps from the options below in the correct order 1 to 4.

Decide whether to allow network traffic to pass or to block it　　Examine the contents of the network traffic

Update the log file　　Test the contents against a set of rules

1

2

3

4

[1]

Question 26

Which of the following can be used when collaborating with others? (Select **three**).

A | Data capture

B | Data processing

C | Screen sharing

D | Teleconferencing

E | Video conferencing

[1]

Question 27

Which **one** of the following would **not** be included in the user documentation for acceptance testing?

A | A description of the scenarios that were used in the testing

B | A description of the test data that was used

C | A list of the team who carried out the testing

D | A list of usernames and passwords of all the testers

[1]

Question 28

Which **one** of the following applications would be best used to design a room?

A | CAD

B | CAM

C | CDT

D | CRM

[1]

Question 29

Which **one** of the following is a role of BIOS?

A | Checks devices are working

B | Loads application programs

C | Proofreads the safety policy

D | Stores data to be processed within the processor

[1]

Question 30

Drag and drop each type of communication from the options below to the box that describes it.

| Video call | Text message | Online chat |

A real-time conversation via social media

Transmits audio and visual communication

An electronic note sent and received by mobile phone

[1]

Question 31

Read the statement below and select if it is **true** or **false**.

A multi-platform game cannot run on more than one type of device.

True

False

[1]

Question 32

In project management, which **one** of the following will **not** be included in the evaluation stage?

A | Feasibility study

B | How issues were resolved

C | Lessons learned

D | Team performance

[1]

Question 33

Which of the following would be done when planning an upgrade? (Select **three**).

A | Confirm compatibility

B | Ensure the system is backed up

C | Evaluate the outcome

D | Prepare a test plan

E | Shut the system down

[1]

Question 34

Which **one** of the following is **not** necessary for safe working when installing hardware?

A | Following training guidelines

B | Having a full eyesight check before starting

C | Unplugging equipment before opening the covering case

D | Using the correct personal safety equipment

[1]

Question 35

Which **one** of the following describes the purpose of a compiler?

A | It adds all the figures in a single column

B | It compresses images to make the file size smaller

C | It converts high-level source code into machine code

D | It groups objects together

[1]

Question 36

Which **one** of the following is a Cloud-related activity?

A | Creating forms

B | Marketing

C | Sharing files

D | Social networking

[1]

Question 37

Read the statement below and select if it is **true** or **false**.

A disaster recovery policy is likely to include details of a different physical location for back-up of data.

True

False

[1]

Question 38

Which **one** of the following is a software tool for quickly collecting large amounts of data from people?

A	Data screening

B	Data typing

C	Notepad

D	Online questionnaire

[1]

Question 39

You want to add a patch to a computer game.

Which **one** of the following is **not** a reason for adding the patch?

A	To add a new feature to the game

B	To allow others access to your personal gaming account

C	To fix an error in the game's code

D	To update the game

[1]

Question 40

Which **one** of the following is **not** usually included in a user acceptance test plan?

A | A list of identified user constraints

B | A list of peripherals

C | A range of suggested input data for the tests

D | A test plan for all possible end-user system functions

[1]

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