



Oxford Cambridge and RSA

Monday 9 January 2023 – Morning

Level 3 Cambridge Technical in IT

05838/05839/05840/05841/05842/05877 Unit 1: Fundamentals of IT

Time allowed: 1 hour 30 minutes

C380/2301



No extra materials are needed.



Please write clearly in black ink. Do not write in the barcodes.

Centre number

Candidate number

First name(s) _____

Last name _____

Date of birth

INSTRUCTIONS

- Use black ink.
- Write your answer to each question in the space provided. If you need extra space use the lined pages at the end of this booklet. The question numbers must be clearly shown.
- Answer **all** the questions.

INFORMATION

- The total mark for this paper is **80**.
- The marks for each question are shown in brackets [].
- Quality of extended response will be assessed in questions marked with an asterisk (*).
- This document has **16** pages.

ADVICE

- Read each question carefully before you start your answer.

SECTION A

Answer **all** the questions.

Put a tick (✓) in the box next to the **one** correct answer for each question.

1 Which of the storage devices is portable?

A Cloud

B Flash drive

C Hard drive

D SATA

[1]

2 Which memory is stored on the processor?

A Cache

B Flash

C RAM

D ROM

[1]

3 Which of the following converts digital signals to analogue signals?

A Hub

B Modem

C Switch

D Wireless Access Point

[1]

4 Which of the following is an example of a development tool?

A CAD/CAM

B Collaboration software

C Email

D Integrated design environment (IDE)

[1]

5 Which of the following is **not** a characteristic of VoIP?

A Flexibility to add extra devices

B Low initial set-up cost

C Video and voice communication

D Voice communication only

[1]

6 Which troubleshooting tool compares the condition of a computer system before and after a system crash?

A Baseline

B Event viewer

C Network monitor

D Virus checker

[1]

7 Which of the servers manages multiple computers?

A Application

B Database

C Hypervisor

D Web

[1]

8 Which of the following defines the range of IP addresses used in a network?

A Default gateway

B IP address

C MAC address

D Subnet mask

[1]

9 Which of the following is the main purpose of a Metropolitan Area Network (MAN)?

A To connect a mobile phone to a laptop

B To connect several LANs together

C To connect several PCs together

D To connect several WANs together

[1]

10 Which of the following is an example of an interpersonal skill?

A Email

B Eye contact

C Language

D Verbal discussion

[1]

11 Which of the following states what a member of staff can do on a business computer system?

A Acceptable Use Policy

B Code of Conduct

C Health and Safety

D Security of information

[1]

12 Complete the sentence.

Manipulating a person to disclose their login details is an example of _____.

A Data theft

B Hacking

C Social engineering

D Virus

[1]

13 Which of the following monitors port usage on a computer system?

A Anti-spyware

B Anti-virus

C Firewall

D Usernames

[1]

14 Complete the sentence.

The ability to find solutions to simple issues is an example of _____ .

A Dependability

B Determination

C Problem solving

D Self-motivation

[1]

15 Which is the **most** appropriate communication method to send a confirmation code during a login process?

A Personal Assistant (PA)

B Short message service (SMS)

C Social media (SM)

D Voice over Internet Protocol (VoIP)

[1]

Section A Total:
(for examiner use only)

SECTION B

Answer **all** the questions.

Progressive Disaster Recovery (PDR) is a charity who send specialist rescue teams around the world to help people after major natural disasters such as earthquakes, fires or tsunamis. The PDR office is in London and has a network of five computers. The specialists are based all over the United Kingdom.

16 Each of the PDR specialists is provided with a smartphone and laptop computer to help them with their work.

(a) Identify and describe **three** features of a laptop computer that make it suitable for use by the PDR specialists.

1

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2

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3

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[6]

(b) Explain how the PDR specialists can use their smartphones to allow their laptops to communicate with the PDR London office.

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..... **[2]**

21 PDR use business systems in the London office.

Explain the purpose of each of the following business systems.

Management Information System (MIS)

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Standard Operating Procedure (SOP)

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Helpdesk

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[6]

22 PDR deal with operational issues including security of information, on a daily basis.

(a) Explain why the security of information is an **operational issue** for PDR.

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.....
.....

[2]

ADDITIONAL ANSWER SPACE

If additional answer space is required, you should use the following lined pages. The question numbers must be clearly shown in the margins – for example, 16(b) or 19(b).

A vertical line on the left side of the page is followed by 25 horizontal dotted lines, providing a ruled area for writing answers.

A series of horizontal dotted lines for writing, spanning the width of the page.



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