

Name \_\_\_\_\_ Index No. \_\_\_\_\_ / \_\_\_\_\_

1341A  
INFORMATION COMMUNICATION  
TECHNOLOGY I (THEORY)  
Paper 1  
July 2014  
Time: 2 hours

Signature \_\_\_\_\_

Date \_\_\_\_\_



THE KENYA NATIONAL EXAMINATIONS COUNCIL  
BUSINESS SINGLE AND GROUP CERTIFICATE

STAGE I

INFORMATION COMMUNICATION TECHNOLOGY I (THEORY)

Paper 1

2 hours

**INSTRUCTIONS TO CANDIDATES**

Write your **name** and **index number** in the spaces provided above.

**Sign** and write the **date of examination** in the spaces provided above.

This paper consists of **15 (FIFTEEN)** questions in **TWO** sections: **A** and **B**.

Answer **ALL** the questions in **Section A** in the spaces provided.

Answer any **FOUR** questions in **Section B** in the spaces provided.

**For Examiner's Use Only**

Section	Question	Maximum Score	Candidates Score
A	1-10	20	
B	11	10	
	12	10	
	13	10	
	14	10	
	15	10	
Total Score			

This paper consists of 12 printed pages  
Candidates should check the question paper to ascertain that all the  
pages are printed as indicated and that no questions are missing.

**SECTION A (20 MARKS)**

Answer **ALL** questions in this section in the spaces provided.

1. Company XYZ intends to have a LAN connection in the organisation. Identify **four** components that will enable it to communicate with the outside world. (2 marks)

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2. Define each of the following terms as used in operating systems:

(i) single-user multitasking systems; (1 mark)

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(ii) multi-user multitasking systems. (1 mark)

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3. Eric intends to integrate ICT in their organisation. Explain **two** challenges the management is likely to experience as a result of this. (2 marks)

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4. Define the term *multi-media* as used in computers. (2 marks)

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5. Rhoda lives in a region where telephone cables do not exist. She intends to have an Internet connection to her personal computer. Explain the most appropriate connection she could use. (2 marks)

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6. As a researcher Julius concludes, "Computers have definitely changed the way society behaves." Identify two possible reasons for his conclusion. (2 marks)

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7. Explain the term *disk partitioning* as used in operating system installation. (2 marks)

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8. Harry, a database administrator at Mrengo Company explained to the staff the importance of having data backup as their systems are exposed to risks. Outline two threats that he could have mentioned. (2 marks)

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9. Define the term *flash memory* as used in computer storage media. (2 marks)

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12. (a) Distinguish between *information systems* and *communication systems* as used in ICT. (4 marks)

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(b) Danny, a systems administrator in his organisation, intends to procure utility software for the organisation. Explain **three** factors that he should consider. (6 marks)

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13. (a) Figure 1 shows an e-mail composition window. Use it to answer the question that follows.

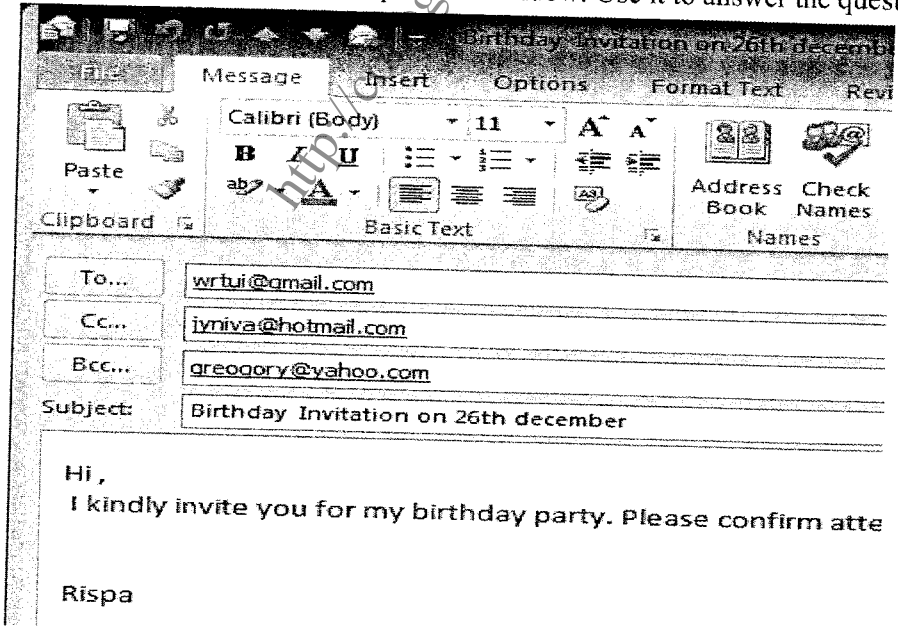


Figure 1

State whether the following statements are true or false.

(i) wrtui knows that jyniva received the email. (1 mark)

(ii) jyniva knows that greogory received the email. (1 mark)

(iii) greogory knows that wrtui and jyniva received the email. (1 mark)

(b) With the aid of an example in each case, define each of the following types of files:

(i) system file; (2 marks)

(ii) user file. (2 marks)

(c) Ben has been employed as a computer technician and is required to take care of the computers. Outline **three** ways in which he could maintain/protect computer hardware. (3 marks)

14. (a) Explain the term *zip memory* as used in data storage. (2 marks)

- (b) A newly elected government has introduced the e-cabinet system in the country. Outline two benefits the government is likely to achieve. (2 marks)

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- (c) Figure 2 shows different interface ports used to connect various computer devices. Use it to answer the question that follows.

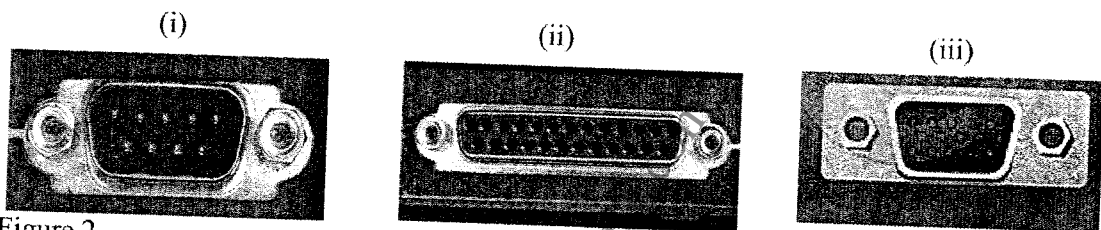


Figure 2

- Identify the ports labelled (i), (ii) and (iii) and give an example of a device that could be connected to it. (6 marks)

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15. (a) Define each of the following terms as used in computer security:

- (i) power surge ; (1 mark)

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- (ii) spike. (1 mark)

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