SUBSIDIARY ICT

MOCK 2024

Theory Paper 1

2 Hours 30 Minutes

Instructions

i.   Attempt all questions in this paper.

ii. The paper is made up of 20 compulsory and equally weighted questions.

iii. Write all your responses in **dark blue** or **black** ink in the spaces provided.

iv. Untidy work will lead to automatic loss of marks.

For official use only

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	Total

1. (a). Describe a computer system case   *[02 Marks]*

....

....

....

(b). Name two components with the system case that concerned with the provision of power.   *[02 Marks]*

....

....

(c). State the specific use of any one of the components in (1)(b) above.

[01 Mark]

....

....

2. (a). Define the term **cold booting**   *[01 Mark]*

....

....

(b). Explain the following concepts in relation to the booting process

    i.   **Power on self-test**   *[02 Marks]*

....

....

    ii.   **Boot loader**   *[02 Marks]*

....

....

3. (a). State **three** ways of ICT usage in the health sector.   *[03 Marks]*

    i.   ....

    ii.   ....

    iii.   ....

(b).Give two application areas of Global Positioning System (GPS). *[02 Marks]*

    i.   ....

    ii. ....

4.   (a).What is meant by Computer servicing?   *[01 Mark]*

....

....

....

(b).State **four** problems a computer user is likely to encounter when a computer takes long to be serviced.   *[04 Marks]*

    i.   ....

    ii.   ....

    iii. ....

    iv. ....

5.   (a).Define an **executable file.**   *[01 Mark]*

....

....

(b).Name any **two** properties of a file.   *[02 Marks]*

    i.   ....

    ii.   ....

(c).Write **two** steps followed when checking for file properties.   *[02 Marks]*

    i.   ....

    ii.   ....

6.   (a).**Gigahertz** and **Gigabytes** are units of measurements. Identify a computer hardware category where each of the units is applied. *[02 Marks]*

    i.   Category one   ....

    ii.   Category two   ....

(b).State how category one you have given above can influences computer performance. **[01 Mark]**

....

....

(c).Give one example of devices in each category in (6) (a) above. **[02 Marks]**

    i.   Example in category one..

    ii.   Example in category two..

7.   (a).Outline **three** functions of an operating system. **[03 Marks]**

    i. ....

    ii. ....

    iii. ....

(b).State the importance of the following features of an operating system

   i. Device Divers **[01 Mark]**

....

....

   ii. Plug and play **[01 Mark]**

....

....

8.   (a).What is a peripheral device? **[01 Mark]**

....

....

(b).List **two** peripheral devices used by a blind computer user. **[02 Marks]**

    i. ....

    ii. ....

(c).Describe a computer port.

....

....

9. Identify a feature in presentation software that can be used to;   *[05 Marks]*

   i.   Apply uniform formats to all the slides in a given presentation at once.

   ....

   ii. Manually connect two different slides for quicker navigation.

   ....

   iii. Make all slides in the presentation run continuously.

   ....

   iv. Decide how text behaves on a slide during a slide show.

   ....

   v.   Set how a slide moves **on** or **off** the screen during a slide show.

   ....

10. (a).Distinguish between a function and a formula.   *[02 Marks]*

   ....

   ....

   ....

   (b). after attempting to calculate data Sphie received #NAME the following error messages. Explain its cause and suggest advise how she could avoid such messages later.   *[03 Marks]*

   ....

   ....

   ....

   ....

11. An e-mail address includes the **user name**, the **separator** @ and ...... ,

   (a).Identify other **two** parts that should be included in the address. *[02 Marks]*

   i.   ....

   ii. ....

(b). Outline **three** advantages of using e-mail over other methods written communication like post office. [03 Marks]

i. ....

ii. ....

iii. ....

12. (a).Explain the fact that **Random Access Memory(RAM)** important but unreliable during computer use. [02 Marks]

....

....

....

(c).Give **two** circumstance under which a computer user can transfer data from RAM to a compact disk. [02 Marks]

i. ....

ii. ....

iii. ....

13. (a).What is a computer network? [01 Mark]

....

....

....

(b).Outline two types of computer networks. [02 Marks]

....

....

(c).Describe a full duplex mode of data transmission. [02 Marks]

....

....

....

14. (a). Define application software. [01 Mark]

....

....

(b). State the use of each of the following application software types.
  i. Database management programs [01 Mark]

....

....

  ii. Desktop publishing software [01 Mark]

....

....

(c). Outline **two** characteristics of **shareware**. [02 Marks]

  i. ....

  ii. ....

15. Write **TRUE** or **FALSE** in the following question (i)-(v). [05 Marks]

		TRUE / FALSE
i.	A Copyright is an example of intellectual property	
ii.	Data encryption is a measure to protect data on internet.	
ii.	CCTV cameras can serve as measures for data security	
iv.	Firewalls are also security measures relevant on standalone computers	
v.	Copyright infringement is a form of piracy	

16. (a). (i). What is meant by Internet Service Provider (ISP)? [01 Mark]

....

....

(ii). Give **two** factors to consider when choosing an ISP [02 Marks]

i. ....

....

ii. ....

....

19. (a).Explain the following terms related to internet.

   i. Blog   *[01 Mark]*

   ....

   ....

   ii. WIKI site   *[02 Marks]*

   ....

   ....

   iii. Browser   *[02 Marks]*

   ....

   ....

20. Select the appropriate device to complete the statements given. *[05 Marks]*

   -Bridge   -Network interface card   -Router   -Switch

   -Modem   -Repeater   -HUB

   i. ....provides a computer with a dedicated full time connection to a network.

   ii. ....links two or more local area networks to internet.

   iii. .... converts digital signals into analog signals and vice versa.

   iv. ....amplifies the signal received and retransmits it at a higher level.

   v. .... connects multiple devices on a single wired network and then forwards packets to only the intended device.