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තුන්වන වාර පරීක්ෂණය, 2021 (2022)
3rd Term Examination, 2021 (2022)

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Information & Communication Technology (Grade 09)

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One Hour

Instructions:

- (i) Answer *all the questions on the paper itself.* (ii) There are *eight (08) pages.*

Q1. Underline the *most suitable* answer.

(2 x 30 = 60 Marks)

01. Which of the following is **NOT** a characteristic of *Non-Portable Computers*?

- (i) Runs on Main Electricity Supply.
- (ii) It can be used while travelling.
- (iii) Relatively large and heavy.
- (iv) All-in-one computers are examples of Non-Portable Computers.

02. An Example for an **INPUT DEVICE**?

- (i) Mouse (ii) Printer (iii) Optical Disk (iv) Hard Disk

03. Which of the following can be considered an **INPUT-OUTPUT DEVICE**?

- (i) Optical Flash Drive (iii) Smart TV
- (ii) Magnetic Tape Drive (iv) Touch Screen

04. A speed of **1500 MHz** equals to,

- (i) 1500 GHz (ii) 1500 Hz (iii) 1.5 KHz (iv) 1.5 GHz

05. The following company **DOES NOT** manufacture *computer processors*?

- (i) Advanced Micro Devices (iii) Microsoft
- (ii) Intel (iv) Apple

06. Select the **INCORRECT STATEMENT** regarding *Microprocessors*?

- (i) The number of cores in a processor defines the efficiency of the processor.
- (ii) Intel Core i3 processor is a Dual-Core processor.
- (iii) Intel Core i5 processor is a Quad-Core processor.
- (iv) Intel Pentium 4 is a Single-Core processor.

07. Select the **CORRECT STATEMENT** regarding the monitor shown in *Figure 1*?

- (i) It consumes higher electricity.
- (ii) It generates lower heat.
- (iii) It is a lightweight monitor.
- (iv) It consumes less electricity.

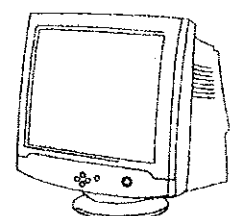


Figure 1

08. Select the **INCORRECT STATEMENT** regarding *Random Access Memory (RAM)*?

- (i) The capacity of RAM determines the efficiency of a computer.
- (ii) A higher RAM capacity provides better efficiency.
- (iii) A RAM can temporarily hold data from the CPU.
- (iv) A RAM is a secondary memory.

09. **2 GB** Equals to,

- (i) 1024 Gigabytes
- (ii) 2 Megabytes
- (iii) 2048 Megabytes
- (iv) 2048 Kilobytes

10. Consider the ports in *Figure 2* and select the **CORRECT STATEMENT**.

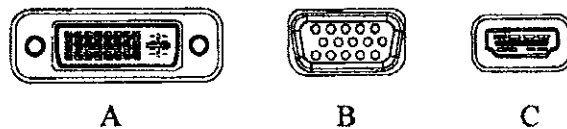
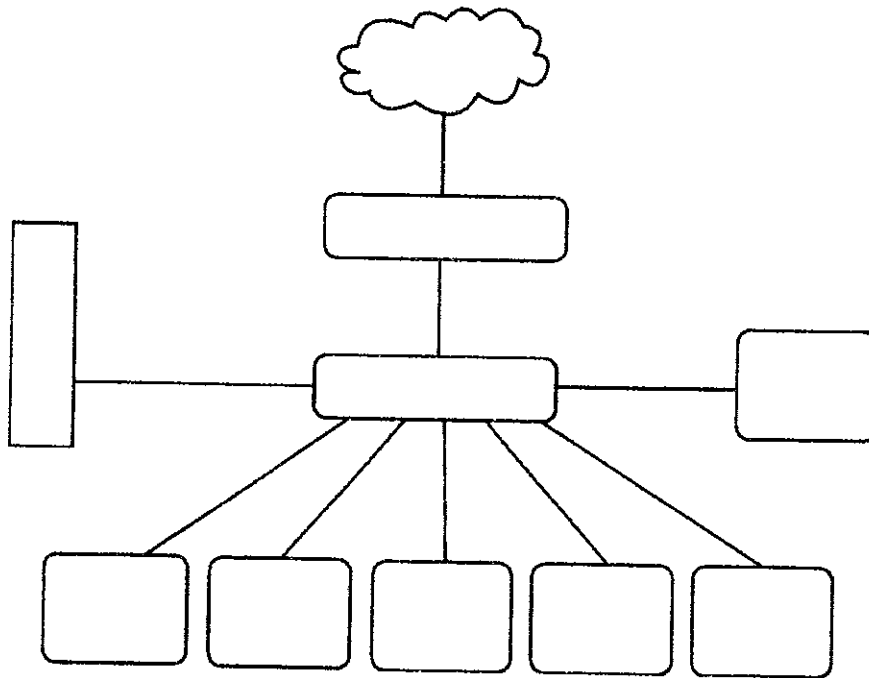


Figure 2

- (i) Both audio & video can be transferred using **B & C** ports.
 - (ii) **C** port can transmit only video.
 - (iii) Modern computers use **A** and **C** ports instead of port **B**.
 - (iv) **B** port provides better image quality than the **C** port.
11. In an *External Sound Card*, the **PINK COLOR** port is used to,
- (i) Connect the speaker
 - (ii) Connect the Microphone
 - (iii) Connect the Headphones
 - (iv) Connect the HiFi sound system.
12. An example of an **Open-Source Operating System** and a **Licensed Operating System**, respectively,
- (i) Microsoft Windows 10, Microsoft Windows 8
 - (ii) Linux OS, Ubuntu OS
 - (iii) Microsoft Windows 8, Linux OS
 - (iv) Ubuntu OS, Microsoft Windows 10
13. Select the **CORRECT STATEMENT** regarding *Computer Warranty*?
- (i) The customer needs to bear additional costs for the Standard Warranty.
 - (ii) Under the Extended Warranty, technicians visit the place of work and repair the product.
 - (iii) The warranty for the computer parts may differ from the standard warranty.
 - (iv) Under the Manufacturer's Warranty period, the customer has to pay for the repairs.
14. Which of the following is **NOT** an *after-sales* service provided by the computer sales centres to the customers?
- (i) On-site sales
 - (ii) Technical Assistance
 - (iii) Technical Advice
 - (iv) Vendor information

Q4. Given below is a block diagram of a computer network showing how the computer and the devices are connected.



The table below indicates the details of the connected hardware;

Devices Connected	Code
Server	SVR
Internet	I
Switch	S
Router	R
Printer	P
A few computers	C1, C2, C3...

Identify the hardware to match the code given and write the correct code of the hardware in the diagram above.

(1 x 10 = 10 Marks)

Q5. State whether the following statements are TRUE or FALSE.

(2 x 5 = 10 Marks)

Statement	T or F
1. A web developer designs, develops and maintains websites	
2. Software engineer only focuses on program developing.	
3. An IT consultant analysis organizational needs and designs computer systems.	
4. A Software QA engineer makes sure that the software functions properly.	
5. A Software Architect designs the software components and their interconnections.	

--- End of the Paper ---