

COMPUTER SCIENCE

TIME: 20 MINUTES

MARKS: 15

DGR-11-23 OBJECTIVE

NOTE: You have four choices for each objective type question as A , B , C and D . The choice which you think is correct , fill that circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question.

QUESTION NO. 1

- 1 Unicode uses.
(A) 4 - bit (B) 8 - bit (C) 12 - bit (D) 16 - bit
- 2 Which value in start bit indicates that the transmission line is idle ?
(A) 0 (B) 1 (C) 2 (D) 3
- 3 CBT software is mostly used in
(A) Education (B) Farming (C) Forecasting (D) Planning
- 4 Cache memory works between
(A) RAM and ROM (B) RAM and Hard disk
(C) CPU and Hard disk (D) CPU and RAM
- 5 Which of the following has the fastest speed ?
(A) RAM (B) ROM (C) Cache (D) Disk
- 6 Which register has special role in division and multiplication ?
(A) AX (B) DX (C) BX (D) CX
- 7 McAfee is an example of
(A) Antivirus (B) Virus (C) Worm (D) Spyware
- 8 AU files deleted from computer are sorted in
(A) Sys-tray (B) Temporary Files (C) Recycle Bin (D) My documents
- 9 How many orientation types are available in word ?
(A) Four (B) Three (C) One (D) Two
- 10 The columns in a spreadsheet are labeled by
(A) Numbers (B) Letters (C) Cell references (D) Different values
- 11 The symbol that separates different parts of a an e – mail address is
(A) \$ (B) # (C) @ (D) %
- 12 Which is the correct association between hardware device and component type ?
(A) Mouse - Processing (B) Hard disk – Out put (C) Keyboard - Input (D) CPU - Storage
- 13 Which one of the following is the largest unit of data ?
(A) Kilobyte (KB) (B) Megabyte (MB) (C) Terabyte (TB) (D) Gigabyte (GB)
- 14 The top most layer of the OSI model is
(A) Application (B) Presentation (C) Session (D) Transport
- 15 Every device has exactly two neighbours in
(A) Bus topology (B) Ring topology (C) Star topology (D) Mesh topology

Dgk-11-23

**SUBJECTIVE
SECTION-I****QUESTION NO. 2 Write short answers any Six (6) of the following**

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i	How would you elaborate the term digital convergence ?
ii	What is the drawback of using plotter ?
iii	Convert 256 bits into bytes.
iv	Why is it important to test a system before use ?
v	Write down any two benefits of video conferencing.
vi	How computer can be useful in weather forecasting ?
vii	What is ROBOT ?
viii	What do you mean by named ranges in MS - Excel ?
ix	Write a function in MS – Excel that adds the values in cell A1 through A5.

QUESTION NO. 3 Write short answers any Six (6) of the following

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i	Define network topology.
ii	List down two functions of session layer.
iii	What is the use of file transfer protocol ?
iv	How serial transmission is different from parallel transmission ?
v	What is digital signal ?
vi	What are encoder and decoder in data communication system ?
vii	Why search engines are used ? Name two of these
viii	Define web publishing.
ix	What do you understand from news groups ?

QUESTION NO. 4 Write short answers any Six (6) of the following

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i	What is DMA ?
ii	How does an instruction differ from an operation ?
iii	Who is hacker ?
iv	Give two causes of virus.
v	What do you mean by data protection ?
vi	Give two examples of command line operating system.
vii	What is desktop ?
viii	Write short cut keys to save and print document.
ix	How undo and redo commands are used ?

SECTION-II**Note: Attempt any Three questions from this section**

8 x 3 = 24

Q.5	Define display screen. Explain different types of display screen
Q.6	Describe network model. Explain different network models.
Q.7	What is Un – guided media ? Explain different types of Un – guided media.
Q.8	What is RAM ? Difference between SRAM and DRAM ?
Q.9	What is operating System ? Discuss any six functions of operating system.