

COMPUTER SCIENCE

D4K-21

TIME: 20 MINUTES
MARKS: 15OBJECTIVE

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

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|----|---------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Hardware is best described as (A) Physical part (B) Printed copy file (C) Logical part (D) Program |
| 2 | GB is approximately (A) 1,000 KB (B) 1024 MB (C) 100 TB (D) 1024 KB |
| 3 | Which of the following is a communication device? (A) Ethernet (B) UTP (C) USB (D) Router |
| 4 | How many types of network standards are there? (A) 4 (B) 6 (C) 2 (D) 8 |
| 5 | Which of the following transmission media is used in LAN? (A) Telephone line (B) Microwave (C) Coaxial cable (D) Satellite |
| 6 | Select unguided media from the following (A) Twisted pair (B) Satellite (C) Fiber optic (D) Coaxial |
| 7 | Many Banks provide the facility of (A) ATM (B) CAM (C) CBT (D) CAD |
| 8 | The program that contains instruction to operate a device is called (A) Device operator (B) Device system (C) Device linking (D) Device driver |
| 9 | Which memory is used to speed up the computer processing? (A) ROM (B) Cache (C) BIOS (D) HDD |
| 10 | Which of the following is a biometric technique for person identification? (A) Access card (B) Password (C) Finger print (D) PIN |
| 11 | A small image that represent a program, instruction or file is called (A) Menu (B) Dialog Box (C) Window (D) Icon |
| 12 | The Interface used by DOS is called (A) Command line (B) System (C) Graphical user (D) Design |
| 13 | The tool used to find a similar or alternative word in a document is called (A) Finder (B) Thesaurus (C) Dictionary (D) Style |
| 14 | A formula in MS-Excel always begins with (A) > (B) == (C) = (D) < |
| 15 | Which software is used to search and view web pages (A) Window explorer (B) Web server (C) HTML (D) Web browser |

SECTION-I**QUESTION NO. 2 Write short answers any Six (6) parts of the following** 12

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|---|------------------------------------------------------|
| 1 | What is meant by information technology ? |
| 2 | Define system. Enlist different components of system |
| 3 | Convert 60 GB of memory into words |
| 4 | Differentiate between computer hardware and software |
| 5 | Define workgroup computing |
| 6 | Enlist different layers of OSI model |
| 7 | What is the concept of telecommunication ? |
| 8 | Describe the concept of communication channel |
| 9 | Differentiate between analog and digital signals |

QUESTION NO. 3 Write short answers any Six (6) parts of the following 12

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|---|--------------------------------------------|
| 1 | Write any two uses of computer in business |
| 2 | What is the purpose of A.T.M ? |
| 3 | State the purpose of computer simulation |
| 4 | Why RAM is called volatile memory ? |
| 5 | Write two responsibilities of I/O unit |
| 6 | What is function of ROM ? |
| 7 | Define operating system |
| 8 | List two names of viruses |
| 9 | How can virus damage computer ? |

QUESTION NO. 4 Write short answers any Six (6) parts of the following 12

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|---|-----------------------------------------------------------------|
| 1 | Define the Recycle Bin object of MS-Windows |
| 2 | Describe multi-user feature of operating system |
| 3 | Why is extended partition used ? |
| 4 | What is meant by search and replace ? |
| 5 | Write the purpose of layout feature of word processor |
| 6 | Why is thesaurus used in word processing ? |
| 7 | Define the term cell references in spread sheet |
| 8 | What is meant by Named Ranges ? |
| 9 | Give an example of MAX function with cell addresses in MS-Excel |

SECTION-II**Note: Attempt any Three questions from this section****3 × 8 = 24**

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|-----|----------------------------------------------------------------------------------------------------|---------|
| Q.5 | Define network topology. Explain the working of star topology with the help of example and diagram | 2+4+1+1 |
| Q.6 | Define Data Communication with the help of a diagram. Also explain its components | 2+1+5 |
| Q.7 | Define CPU. Explain Fetch-Decode-Execute Cycle of CPU | 2+2+2+2 |
| Q.8 | Define data security. Explain any six solution of data security threat | 2+6 |
| Q.9 | Define Internet addressing schemes. Explain its two types | 2+3+3 |