

Sig. of Supdt.

KT-XI-14(A)

COMPUTER SCIENCE - (Part-I)

Roll No.

Fic. No.....

Fic. No.....

Time Allowed : 3 Hrs.

Total Marks : 70

Note: There are three sections of this paper, A, B, & C. Carefully read the instructions for each section and attempt accordingly.

Time Allowed : 20 Mins.

SECTION - A

Total Marks : 13

Note: Use this sheet for this section. No. mark will be awarded for cutting, erasing or over writing.

Q. 1 Insert the correct option (a, b, c, d) in the empty box opposite to each part. Each part carries one mark. Any kind of Mark Left / Written is strictly prohibited. Mobile Phone is strictly prohibited in Examination Hall.

- i) Total number of bytes in 1 MB =
- (a) 2^{10} (b) 2^{20} (c) 2^{30} (d) 2^{40}
- ii) Information is the processed form of
- (a) Bytes (b) Word (c) Data (d) Nibble
- iii) Fiber Distributed Data Interface (FDDI) networks is based on topology.
- (a) Star (b) Bus (c) Mesh (d) Ring
- iv) OSI reference model has layers.
- (a) 5 (b) 7 (c) 8 (d) 3
- v) UTP cable can support mbps
- (a) 1000 (b) 16 (c) 1-155 (d) 1024
- vi) A plotter is used to draw
- (a) Maps (b) Building designs (c) Graphs (d) All
- vii) The two (2) kinds of main memory are
- (a) Primary & Secondary Memory (b) Random & Sequential Memory (c) RAM & ROM (d) Magnetic & Optical Memory
- viii) MICR stands for
- (a) Magic Ink Character Reader (b) Magnetic Ink Character Reader (c) Magnetic Ink Character Recorder (d) Micro Ink Character Reader
- ix) The program counter (PC) register is a special purpose register that holds the address of the
- (a) Current Instruction (b) Previous Instruction (c) Next Instruction (d) Counter
- x) Stoned virus corrupts
- (a) Hard disk partition (b) The FAT (c) The operating system (d) The application programs
- xi) MS-Excel is a
- (a) Word Processor (b) Spread Sheet (c) Database (d) None
- xii) URL stands for
- (a) Universal Research Limit (b) United Russian Language (c) Universal Resource Locator (d) Uniform Resource Locator
- xiii) In MS-Word which function key is used for checking spelling and grammar?
- (a) F1 (b) F2 (c) F7 (d) Shift+F7

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Time Allowed : 2:40 Hrs.

Section – B

Marks : 36

Note: Mobile Phone is strictly banned in Examination Hall.

Q. 2 Write a short answer of any NINE of the following parts. Each part carries equal marks.

- (i) Differentiate between Data & Information?
- (ii) Differentiate between logical design and physical design?
- (iii) What is meant by LAN, MAN and WAN?
- (iv) Differentiate among client, server and peer?
- (v) What do you mean by Data Communication?
- (vi) What is meant by guided and unguided media?
- (vii) Define CAD and CAM?
- (viii) Differentiate between RAM & ROM?
- (ix) What is MICR?
- (x) Differentiate between Hardcopy and Softcopy?
- (xi) Write down main advantages of using Internet?
- (xii) What are different types of viruses?

Section – C

Marks : 21

NOTE: Attempt any three questions. Each question carries equal marks.

- Q. 3: What is OSI Reference Model? Explain the functions of its all layers?
- Q. 4: What is cabling or guided media? Explain any 2 cabling media along with its merits and demerits?
- Q. 5: Explain different types of output devices of computer system?
- Q. 6: What is computer software? Describe its types in detail?