

(in Words)

Superintendent Seal & Signature

FIC. No (For office use only)

111601

FIC. No (For office use only)

COMPUTER SCIENCE - I (Fresh)

Total Time: 3 Hours

Max: Marks: 75

Note: There are **THREE** Sections of this Paper i.e. **A, B and C**, attempt each according to the given instructions.

Time: 20 Minutes

SECTION-A

Marks: 15

Note: Attempt all parts of Section – A. Section –A must be return to the superintendent after 20 minutes even if you have not attempted any question. Overwriting/ defacing/Cutting etc is prohibited in Section-A and no credit will be given to such answer.

I. Write the correct option i.e. A/B/C/D in the empty boxes.

- i. _____ Software operate and control the computer system.
(A) Free ware (B) Shareware (C) System software (D) Application software
- ii. _____ is not a portable computer.
(A) Laptop (B) PDA (C) Notebook (D) Main frame
- iii. The distance between the pixels on the monitor is called _____.
(A) Size (B) Resolution (C) Dot Pitch (D) Refresh rate
- iv. Which of the following is not an input device _____.
(A) Mouse (B) Scanner (C) Digital camera (D) Speaker
- v. The output produced by printers is known as _____.
(A) Hardcopy output (B) Soft copy output (C) Plain output (D) Rough output
- vi. How much is 1 Mega Byte Memory equal to _____.
(A) 1024 K Bytes (B) 1000 K Bytes (C) 1024 K bits (D) 1024 G Bytes
- vii. Which of the following is volatile Memory _____.
(A) RAM (B) ROM (C) PROM (D) EEPROM
- viii. _____ is a small memory device available in the CPU to store data temporarily.
(A) CU (B) ALU (C) Register (D) BUS
- ix. Which of the following is the firmware built into the computer system _____.
(A) Slot (B) RAM (C) Port (D) BIOS
- x. In which communication mode data can be sent and receive in both direction but not at the same time _____.
(A) Simplex (B) Full duplex (C) Half duplex (D) Duplex
- xi. _____ is set of ^{rules} that governs data communication.
(A) Message (B) Sender (C) Medium (D) Protocol
- xii. In _____ topology, each node (Computer, server, peripheral etc) attaches to a common cable.
(A) Star (B) Tree (C) Ring (D) Mesh
- xiii. The GPS system consists of _____.
(A) 20 (B) 22 (C) 24 (D) 25
- xiv. A row in a table is also known as _____.
(A) Column (B) Relation (C) Tuple (D) Field
- xv. In Rational terminology, an attribute is also called _____.
(A) A record (B) an entity (C) a field (D) a table

COMPUTER SCIENCE - I (Fresh)

Note: Time allowed for section B and C is 2 hours and 40 minutes.

SECTION "B"

Marks: 36

II. Attempt any NINE Parts out of the following. Each Part carries equal marks.

- i. How application software help user?
- ii. What is licensed software?
- iii. Differentiate between DRAM and SRAM.
- iv. What is computer memory?
- v. What is micro processor?
- vi. What is the function of ALU in the computer?
- vii. Differentiate between a port and a slot?
- viii. What is CPU?
- ix. Differentiate between LAN and WAN?
- x. What is OSI model?
- xi. What is Hotspot?
- xii. What is the role of DBA?

SECTION "C"

Marks: 24

Note: Attempt any THREE questions of the following. Each question carries equal Marks.

- III. Define input and output. Briefly explain any 2 input and 2 output devices.
- IV. What is a system bus? Explain different types of buses used in computers.
- V. Write notes on switch, router and gateway..
- VI. Write short notes on any two of the following:
 - (a) Primary key and foreign key
 - (b) Global positioning system (GPS)
 - (c) Star topology