

COMPUTER SCIENCE

Model Question Paper

(2020 and Onwards)

SECTION-A (Marks 15)

Time: 20 Minutes

Marks: 15

Note: Section-A is compulsory. All parts of this section are to be answered on the separately provided OMR Answer Sheet which should be completed in the first 20 minutes and handed over to the Centre Superintendent. Deleting/overwriting is not allowed. Do not use lead pencil.

Q.1 Choose the correct answer i.e. A / B / C / D by filling the relevant bubble for each question on the OMR Answer Sheet according to the instructions given there. Each part carries one mark.

1. Which type of computer is used for nuclear research?

- A. Mainframe
- B. Mini Computers
- C. Micro computers
- D. Super computers

2. Which of the following is most suitable to print salary slips of 2000 employees on very cheap cost?

- A. Dot matrix printer
- B. Laser printer
- C. Ink jet printer
- D. Plotter

3. Cache Memory works between:

- A. RAM and Processor
- B. RAM and ROM
- C. Processor and Hard Disk
- D. ROM and Hard Disk

4. Memory card used in mobile phone is a type of:

- A. Magnetic Memory
- B. Secondary Memory
- C. Optical Memory
- D. Flash Memory

5. How many memory locations can be addressed with Address Bus of 32 bits?

- A. 16
- B. 32
- C. 64
- D. 2^{32}

6. How many distinct operations can be performed if op-code of a microprocessor consists of 4 bits?

- A. 4
- B. 8
- C. 16
- D. 32

7. Which port is generally used to connect video devices to the computer?

- A. PS/2 port
- B. USB
- C. Serial port
- D. Firewire

8. Which card displays text, graphics and images on the screen?

- A. Network card
- B. Gigabit card
- C. Modem card
- D. Video graphics card

9. The IP Address 191.10.1.0 lies in:

- A. Class A
- B. Class B
- C. Class C
- D. Class D

10. Email sending mechanism is _____ mode of communication.

- A. Simplex
- B. Full Simplex
- C. Half Duplex
- D. Full Duplex

11. Cellular radio system divides the service area into smaller areas called:

- A. Pods
- B. Cells
- C. Cubes
- D. Sectors

12. Which wireless technology is used in TV remotes and Toys?

- A. Infrared
- B. Bluetooth
- C. Wi-Fi
- D. Wi-Max

13. A relation consists of 10 attributes and 100 tuples then the degree of relation is:

- A. 1
- B. 10
- C. 100
- D. 1000

14. What is the degree of relationship between entities AUTHOR and BOOK?

- A. Unary
- B. Binary
- C. Ternary
- D. Recursive

15. The Student-ID field is a primary key in STUDENT table. The Student-ID in related EXAM table is called as _____.

- A. Candidate key
- B. Secondary key
- C. Alternate key
- D. Foreign key