

Roll Number

In Figures: _____

In Words: _____

PR XI (01) 17

COMPUTER SCIENCE

Inter Part – I (New)
(Fresh/Reappear)

Fic. No. _____
(For Board's Office use only)

Superintendent

Signature / Stamp:

COMPUTER SCIENCE

Inter Part – I (New)
(Fresh/Reappear)

Fic. No. _____
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Time Allowed: 3 Hours

Marks: 75

Note: There are THREE sections in this paper i.e. Section A, B and C.
Attempt Section-A on the same paper and return it to the Superintendent within the given time.
No marks will be awarded for **Cutting, Erasing or Overwriting**. **Marks of Identification** will lead to UFM case, **Mobile Phone** etc are not allowed in the examination hall.

Time Allowed: 20 minutes

Section – A

Marks: 15

Q-I Write the correct option i.e. A, B, C or D in the empty box provided opposite to each part.

- | | | | | | |
|--|------------------------------|-------------------------------|----------------------------------|------------------|--------------------------|
| i.is an open source application program. | A. MS Access | B. Open Office Base | C. SQL Server | D. MS word | <input type="checkbox"/> |
| ii.is logical data type. | A. Text | B. Memo | C. Auto number | D. None of these | <input type="checkbox"/> |
| iii. Hierarchical DBMS organizes data elements into..... | A. Segments | B. Data compartments | C. Data units | D. Objects | <input type="checkbox"/> |
| iv.is the person who has central control over data and programs in a database system. | A. DBA | B. Designer | C. System analyst | D. Programmer | <input type="checkbox"/> |
| v.uses 802.11 standard, developed by IEEE. | A. Wi-Fi | B. Bluetooth | C. Infra-red | D. WiMax | <input type="checkbox"/> |
| vi.is used to provide internet access and multimedia services at very high speed to the end users. | A. Wi-Fi | B. Bluetooth | C. Infra-red | D. WiMax | <input type="checkbox"/> |
| vii. An example of input device is..... | A. Printer | B. Keyboard | C. Speaker | D. None of these | <input type="checkbox"/> |
| viii. OSI model consists oflayers. | A. 7 | B. 5 | C. 8 | D. 4 | <input type="checkbox"/> |
| ix.cable is formed of two insulated copper wires twisted together. | A. Coaxial | B. Fiber optic | C. CAT5 | D. Twisted pair | <input type="checkbox"/> |
| x.layer of OSI model decides which physical path way the data should take to reach the destination. | A. Data link | B. Transport | C. Network | D. Session | <input type="checkbox"/> |
| xi.is the fastest slot. | A. AGP | B. PCI | C. PCIe | D. ISA | <input type="checkbox"/> |
| xii. PROM stands for | A. Previous read only memory | B. Practical read only memory | C. Programmable read only memory | D. None of these | <input type="checkbox"/> |
| xiii.in instruction cycle, interpreters the instruction. | A. Fetch | B. Decode | C. Execute | D. Write back | <input type="checkbox"/> |
| xiv.is a small amount of memory located between main memory and processor. | A. RAM | B. ROM | C. Cache | D. PROM | <input type="checkbox"/> |
| xv. translate a high level language program line by line. | A. Interpreter | B. Compiler | C. Assembler | D. Processor | <input type="checkbox"/> |

COMPUTER SCIENCE (New)

Inter Part -I (New)

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Note: Time allowed for Section – B and Section – C is 2 Hours and 40 minutes.**Section – B****Marks: 40**

Q-II Answer any TEN parts. Each part carries FOUR marks.

1. Differentiate compiler and interpreter.
2. What is shareware software?
3. List four input devices.
4. What is primary memory?
5. What is the importance of cache memory in computer?
6. Discuss level 1, level 2 and level 3 cache memory.
7. Differentiate between serial and parallel ports.
8. Why cooling system is important for a computer?
9. Discuss five components of data communication.
10. Write down four advantages of client/server network.
11. What is packet switching?
12. List four names of long distance communication technologies.
13. Differentiate data and information.

Section – C**Marks: 20****Note :** Attempt any TWO questions. All questions carry equal marks.

- Q-III What are the advantages and disadvantages of wireless networks?
- Q-IV Define network topology and explain its types.
- Q-V Write a short note on any five input devices.