

Student Roll No

0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

Example Student Roll No

2	3	4	7	2	6
0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

ہال میں سواہل فون لانا ہلکے سے ہے

Paper Code: 77

MRD-XI-17 (A)
COMPUTER SCIENCE – (Part-I)
(Fresh / New Course)

Total Time: 3hrs

Total Marks:75

Signature of Supdt.

FILL ROLL NO. COLUMN WISE FROM LEFT TO RIGHT ACCORDING TO EXAMPLE SHOWN ABOVE.

Time: 20min

"SECTION – A"

Marks: 15

NOTE: Use Black/Blue marker for shading only one bubble for each question. No mark will be awarded for Cutting, erasing, overwriting, and multiple bubble shading.

Q. 1 Choose the correct option i.e. A,B,C, and D.

- is a term often used for the fixed, small programs embedded in hardware, that control various electronic devices.
(A) Firmware (B) System program (C) Software (D) None
- are the physical components that make up a computer system.
(A) Hardware (B) Firmware (C) Software (D) All of the above
- is a computer software of which the source code is also available to the users.
(A) Open source (B) System software (C) Android (D) None
- picture creates an image by pressing an inked ribbon against the paper using pins or hammers to shape the image or character.
(A) Impact printer (B) Non-impact printer (C) Fax machine (D) none
- devices are used to store the data and information permanently.
(A) Memory (B) Server (C) Secondary storage (D) All of the above
- is a sequential storage device.
(A) Magnetic tape (B) Hard disk (C) CD-ROM (D) RAM
- performs arithmetic and logic operations on data.
(A) ALU (B) CU (C) Cache (D) Internal Bus
- is a microprocessor architecture that is designed to perform a small number of computer instructions.
(A) RISC (B) CISC (C) DISK (D) LIST
- Which of the following in the computer system holds the main components of the system unit.
(A) RAM (B) CPU (C) Motherboard (D) None
- connects the peripherals devices to the computer system.
(A) Bus (B) Ports (C) Wire (D) None
- is a set of rules that govern the data communication.
(A) Software (B) Hardware (C) Protocol (D) Firmware
- is a network that connects computers and devices in a limited geographical area.
(A) MAN (B) LAN (C) WAN (D) None
- In topology each node/ computer is attached to a single common cable.
(A) Star (B) Bus (C) Ring (D) Mesh
- is a set of programs that allows users to create, maintain and manipulate database.
(A) DBMS (B) DBA (C) Firmware (D) None
- is a field or a combination of fields used to identify a particular row in relation/ table.
(A) Foreign key (B) Primary key (C) Duplicate key (D) None

MRD-XI-17 (A)
COMPUTER SCIENCE - (Part-I)
(Fresh / New Course)

P-314

Time Allowed: 2:40 Hrs

Section – B & C

Total Marks: 60

“Section – B”

Marks: 36

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

- (i) Differentiate between hardware and firmware.
- (ii) List the names of any five input devices.
- (iii) What is licensed software?
- (iv) Why computer memory is important?
- (v) What is the role of registers in computer?
- (vi) Draw a block diagram of computer system.
- (vii) Write the names of different buses in the computer system's motherboard.
- (viii) What do you know about a microprocessor?
- (ix) Differentiate between CISC and RISC processor architecture.
- (x) Why fiber optic cable carries more data than the other cable?
- (xi) What is a relation?
- (xii) What is the role of a DBA?

“Section – C”

Marks: 24

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

- Q. 3:** What do you know about a database system? Explain its advantages over tradition file managements system.
- Q. 4:** What do you know about nodes of data communication? Explain the different types of nodes with suitable examples.
- Q.5:** What is Normalization? Explain the following Normal Forms 1NF, 2NF, 3NF.
- Q. 6:** Write a note on any two of the following:
 - a) Types of Application software
 - b) Network topologies
 - c) Entity Relationship Diagram (ERD)