

SECTION "B" (Short Answer Question) Marks: 30

NOTE: Attempt any TEN part questions in all. All part questions carry equal marks. Answer should not exceed 6 to 7 lines

2. i) What is data communication? Name its components
- ii) Write any three differences between Impact Printer and Non-Impact Printer.
- iii) What is a Computer Virus? How can we protect our computer from virus?
- iv) What is meant by Modulation and De-modulation?
- v) Which technical issue is common in Ring and Bus Topology?
- vi) Why ROM is called non-volatile memory?
- vii) What is the function of a Compiler and an interpreter?
- viii) What do you mean by Broadcasting?
- ix) What is the main difference between Router and Gateway?
- x) Name any two simplex devices used in communication system.
- xi) Why Address Bus is called unidirectional?
- xii) Draw the block diagram of Fetch Cycle.
- xiii) Name the fastest communication media.
- xiv) Define Protocol. Name any three protocols.
- xv) What is Copyright Law?

Section C (Detailed – Answer Question) (30)

NOTE: Attempt any THREE question from this section.

All questions carry equal marks.

3. What is System Software? Explain operating system with its function.
4. What is Computer Network? Explain different types of network topologies.
5. Explain OSI model with layered diagram.
6. What is CPU Register? Explain its different types.
7. What is Communication Media? Discuss its different types.