

SECTION 'B' SHORT ANSWER QUESTIONS (30 Marks)

NOTE: Attempt any Ten part questions from this Section. All questions carry equal marks. No answer should exceed 6 - 7 lines.

- Q.2(i) What is an Interpreter? How does it differ from a computer?
- (ii) What is Data Processing Cycle? Write its steps with the help of diagram.
- (iii) What is the difference between Hardcopy and Softcopy?
- (iv) Why ROM is called non-volatile memory?
- (v) Write any four abuses of Internet.
- (vi) State Copyright Law. Give its advantages.
- (vii) Define the main components of CPU.
- (viii) Draw OSI model.
- (ix) Differentiate between asynchronous transmission and synchronous transmission.
- (x) How computers can be useful in medical science?
- (xi) Draw a label diagram of a digital computer.
- (xii) Define the instruction cycle with label diagram.
- (xiii) Write full form of any three of the following:
- | | | | | | |
|----|-----|----|-----|----|------|
| a) | MBR | b) | ISO | c) | HTTP |
| d) | LED | e) | OMR | | |
- (xiv) Define the computer virus. Name any two viruses.
- (xv) Define Star Topology and give its advantages.

SECTION 'C' DETAILED ANSWER QUESTIONS (16 Marks)

NOTE: Answer any TWO questions from this section. All questions carry equal marks.

- Q.3 What is an Operating System? Explain the functions performed by an operating system.
- Q.4 Explain different types of communication media/channel used in data communication.
- Q.5 What is a Register? Explain the functions of various types of registers.