

**B R A BIHAR UNIVERSITY, MUZAFFARPUR**  
**DIRECTORATE OF DISTANCE EDUCATION**  
**PARAMEDICAL/SHORT TERM COURSE**  
**MICROPROCESSOR : MODEL QUESTIONS**  
**HARDWARE NETWORKING: 2<sup>ND</sup> SEMESTER: 3<sup>RD</sup> PAPER**

- Q. 1. Define Register. Also explain about Program Counter (PC) and Stack Pointer (SP).
- Q. 2. What is System Bus? Discuss about different types of buses.
- Q. 3. Write and explain about Instruction Format.
- Q. 4. What is the size of 8086 instructions? Also list the segment register of 8086.
- Q. 5. Convert the decimal number 123.145 to octal and hexadecimal number system.
- Q. 6. Write and explain about the Addressing Mode.
- Q. 7. What is Assembly Process? Discuss.
- Q. 8. Differentiate between Data Coupling and Control Coupling.
- Q. 9. What do you mean by Top Down Design?
- Q. 10. Discuss and explain about Table Translation.
- Q. 11. What do you mean by Fundamental I/O Considerations?
- Q. 12. What is Pure Code? List some applications of pure code.
- Q. 13. What is Memory Fragmentation? How it can be reduced.
- Q. 14. Discuss the significance of a Bus Standard.
- Q. 15. Write short notes on any two:
  - a.) Instruction Register
  - b.) One-Byte Instructions
  - c.) Instruction Set.