



- 5) The assembler list file extension is \_\_\_\_\_.
- 6) AAA stands for \_\_\_\_\_.
- 7) SHL stands for Shift \_\_\_\_\_ left.
- 8) The full form of DB directive is \_\_\_\_\_.

**Q-3 Give short answers of the following questions: ( ANY TEN )**

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- 1) Name the two functional parts of the 8086 architecture and also write use of parts.
- 2) Explain the following terms: 1) ALU 2) Flag
- 3) Define: Decoder and its function in EU.
- 4) Explain NOT instruction with example.
- 5) State the INC – Increment instruction
- 6) Explain CMP instruction with example.
- 7) Explain ROL instruction with example.
- 8) Explain LOOPZ instruction with example.
- 9) Explain ROR instruction with example
- 10) Write the use of directives: ASSUME & LABEL.
- 11) What is Assembler Directives? List all directives.
- 12) Write syntax of multiple IF-THEN-ELSE.

**Q-4 Give Long answers of the following questions: (ANY FOUR)**

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- 1) Explain BIU in detail.
- 2) Explain 8086 internal architecture with diagram.
- 3) Explain INC & DEC instructions in detail.
- 4) Explain MUL instruction in detail with example.
- 5) What are the differences between Unconditional and conditional JUMP instructions? Explain with an example.
- 6) Write a short note on Shift instructions SHL and SHR with example.
- 7) Explain structure of assembly program.
- 8) Which are the Looping structures? Explain any one in detail.

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