



- Q-3            Attempt all questions**
- a) Explain OR gate. (04)
  - b) Explain Magnetic Tape. (05)
  - c) Explain half adder with its diagram (05)
- Q-4            Attempt all questions**
- a) Explain Compiler. (04)
  - b)  $(258)_8 = (?)_{10}$ . (05)
  - c) Explain 4 to 1 line multiplexer with diagram. (05)
- Q-5            Attempt all questions**
- a) Explain Data Transmission mode. (04)
  - b) 2's complement:  $10110 = ?$  (05)
  - c) What is Bus? Explain Bus types. (05)
- Q-6            Attempt all questions**
- a) Explain generations of computer with its advantages and disadvantages. (07)
  - b) Explain various types of Printers. (07)
- Q-7            Attempt all questions**
- a)  $(75)_{10} = (?)_2$ . (04)
  - b) What is Port? Explain types of Port available in computer. (05)
  - c) Explain Time Sharing Operating System. (05)
- Q-8            Attempt all questions**
- a) Explain Stack Organization. (07)
  - b) Explain various types of Operating Systems in detail. (07)

