

Paper-3 Fundamentals of Information Technology

Time: 3 hours

Max. Marks: 80

SECTION-A (Marks: 4 x 15=60)

Answer ALL questions

- a) Explain number system representation in computer.
(or)
- b) Explain error detecting codes.
- 2) a) Explain parallel and serial Adders.
(or)
- b) Explain different types of Gates and their truth tables.
- 3) a) Give the description of Processor.
(or)
- b) Explain the function of Operating systems
- c) Explain the different types of Operating systems.
- 4) a) Explain computer Network topologies.
(or)
- b) Explain allocation of channels.

SECTION-B

Answer any FOUR questions.

4 x 5=20

- 5) Explain serial access memory.
- 6) Explain two's complement representation of numbers.
- 7) Explain high level programming languages.
- 8) Explain the need for computer communication networks.
- 9) Explain Read only memories.
- 10) Explain evolution of Internet.
- 11) Explain TCP/IP.
- 12) Explain memory cell organization.