



**SECTION - B**

**UNIT - I**

2. What are the analog and digital computers ? Discuss the evolution of digital computers.
3. Draw the block diagram of computer. Explain the function of each of the block.

**UNIT - II**

4. Convert the following :
  - (a)  $(726)_8 = (?)_2$
  - (b)  $(1011)_2 = (?)_8$
  - (c)  $(1AF)_{16} = (?)_8$
  - (d)  $(264)_8 = (?)_2$
  - (e)  $(946)_{10} = (?)_2$
5. Discuss the complement methods. Also perform the subtraction using 1's and 2's complement method :
  - (a)  $(11011)_2 - (10001)_2$
  - (b)  $(1110011)_2 - (1001111)_2$

**UNIT - III**

6. What is an operating system ? Discuss its functions.
7. Discuss the file management systems in operating system. Also explain the various operations of file system.

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**UNIT - IV**

8. Write note on :
  - (a) Application of computer in education field
  - (b) Application of computer in desktop publishing system
9. How computers have ease out the tasks of publication houses ?

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