

Roll No. ....

**57504**

**BBA 1st Semester (New Scheme)  
Examination – December, 2022  
COMPUTER FUNDAMENTALS**

Paper : BHAN-101

*Time : Three Hours / Maximum Marks : 50*

*Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard will be entertained after examination.*

**Note :** Section – A (Question No. 1) is compulsory. Attempt *four* questions from Section – B selecting *one* question from each Unit. All questions carry equal marks.

**SECTION – A**

1. Explain the following :

- (a) Virtual memory
- (b) Firmware
- (c) Binary number system
- (d) Magnetic tape
- (e) Attributes of a file

57504-6150-(P-3)/(Q-9)(22)

P. T. O

**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)  $(1110011)_2 - (10011111)_2$

**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.

57504-6150-(P-3)(Q-9)(22) ( 2 )

**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 ?

57504-6150-(P-3)(Q-9)(22) ( 3 )