

Roll No. ....

**57504**

**BBA 1st Semester (N. S.) 2014-17**

**Examination – November, 2017**

**COMPUTER FUNDAMENTALS**

Paper : BBAN-104

*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 :** Attempt all *five* parts of the question in Section A. Attempt *four* questions selecting *one* question from each Unit in Section B. All questions carry equal marks.

**SECTION – A**

1. Explain the following :

- (a) Analog Computer
- (b) Firmware
- (c) Octal Number System
- (d) UNIX Operating System
- (e) Use of Computers in Desktop Publishing

**SECTION – B**

**UNIT – I**

- 2. What is a digital computer ? Describe its main components with the help of a neat diagram.
- 3. What is computer memory ? Distinguish between primary and secondary memory. Explain any *one* of each type of computer memories.

**UNIT – II**

- 4. Convert the following :
  - (a)  $(3FA.8)_{16} = (X)_{10}$
  - (b)  $(101101101.101)_2 = (X)_8$
- 5. (a) Add  $(11011.101)_2$  into  $(1011)_2$   
(b) Subtract 1101 from 1000 using 2's compliment method.

**UNIT – III**

- 6. What is an operating system ? Describe the functions of an operating system.
- 7. Explain the following :
  - (a) History of Operating Systems
  - (b) Operating System Structure

**UNIT – IV**

- 8. What are the various applications of computer in banks and education ?
- 9. (a) Describe the major applications of computers in medical field.  
(b) How computers are used for data analysis ?