

BCA SEM-I Examination  
December-2016  
Fundamental of Computer Organization  
Subject Code No. 20198 Paper No. BSA-FG-102

Time :- 2:30

Total Marks :70

- Q – 1 (a) Explain computer generations in detail. 07  
(b) What is computer system? Describe the block diagram of computer system. 07  
OR
- Q – 1 (a) Explain the following terms in context of window. 07  
(1) Desktop (2) Windows explorer (3) file (4) folder (5) icons (6) recycle bin  
(b) What are the characteristics of the computer? 07
- Q – 2 (a) Write a short note on keyboard and touch panel. 07  
(b) Describe about touch screen and LED monitor. 07  
OR
- Q – 2 (a) What is port in computer system? What is parallel port and serial port? 07  
(b) Describe the different types of printer. 07
- Q – 3 (a) What is binary number system? Explain in detail. 07  
(b) Write a short note on ASCII and EBCDIC character codes. 07  
OR
- Q – 3 (a) Do as directed: 07  
(1)  $(1010)_{10} = (?)_2$   
(2)  $(565)_{10} = (?)_8$   
(3)  $1000111 + 10111101$   
(4) 1's complement of 1011100011  
(b) Do as directed : 07  
(1)  $(00110101)_2 = (?)_{10}$   
(2)  $(56999)_8 = (?)_{16}$   
(3)  $101001 - 11111$   
(4) 2's complement of 011011000111
- Q – 4 (a) What is optical storage technology? Explain CDs and DVC in detail. 07  
(b) Write a note on Flash memory. 07  
OR
- Q – 4 (a) Explain magnetic storage device: Hard disk. 07  
(b) Write a note on pen drive. 07
- Q – 5 (a) What is CPU? Explain about ALU and Control unit. 07  
(b) Explain L1 cache and L2 cache. 07  
OR
- Q – 5 (a) What is RAM? Explain about types of RAM in detail. 07  
(b) What is bus? Explain types of buses in detail. 07