

Roll No. ....  
2500 -/30/30/40

**September 2018**  
**Bachelor of Computer Application (BCA) Examination**  
**Second Semester**  
**BCA-205 : INTRODUCTION TO INFORMATION SYSTEM**

[Max. Marks 50]

Time 3 Hours]

**Note :** (1) Attempt all five questions. All questions carry equal marks.  
(2) All parts of the question must be done at same place.

1. (a) Describe the characteristics of Valuable Information.  
(b) What is an Information System ? What are differences between Information System and Computer Based Information Systems ?  
OR  
(a) What are global challenges in Information System ?  
(b) Explain performance Based Information System.
2. (a) Write short note on :  
(i) Magnetic Type                      (ii) Magnetic Disks                      (iii) Virtual Tape.  
(b) What is a Software ? Differentiate between Software and Hardware.  
OR  
(a) Explain the following devices :  
(i) Terminals                      (ii) MICR                      (iii) OCR.  
(b) Describe software issues and trends-in Software System.
3. (a) What is Database ? What are differences between traditional approach and database approach to data management ?  
(b) What is Data Model ? Explain relational database model with example.  
OR  
(a) Briefly discuss any two database applications.  
(b) What is the hierarchy of data in a database ?
4. (a) What is the difference between near field communication and ultra wide band ?  
(b) What advantages and disadvantages are associated with use of client / server computing?  
OR  
(a) What is the Internet ? Who uses it and why ?  
(b) What is an Extranet ? How is it different from an intranet ?
5. (a) Explain the Multistage model for E-Commerce.  
(b) Briefly discuss the following topics :  
(i) B<sub>2</sub>C                      (ii) B<sub>2</sub>B                      (iii) C<sub>2</sub>B.  
OR  
(a) What are advantages of Electronic and Mobile Commerce ?  
(b) What are various threats to electronic and mobile commerce ?

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