

June 2017

Bachelor of Computer Application (BCA) Examination  
II Semester

**Introduction to Information System - II**

Time 3 Hours]

[Max. Marks 50

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) What is data and how is it different from information ?  
(b) Discuss in brief the different types of information.  
OR  
(a) Define Information System and its types briefly.  
(b) Discuss the advantages and disadvantages of Information System.
2. (a) Discuss in brief any 2 input and any 3 output devices.  
(b) Differentiate primary and secondary memory with the help of suitable examples of each.  
OR  
(a) What is a Software ? List the differences between System Software and Application Software.  
(b) What do you mean by programming languages ? Discuss its types with the help of suitable examples.
3. (a) What is DBMS ? Why is it required ? Explain with the help of suitable example.  
(b) Briefly discuss the four data models.  
OR  
(a) Illustrate the main problem associated in managing data ? Also define metadata.  
(b) Differentiate primary key and secondary key.
4. (a) What are the two ways to view telecommunications ?  
(b) Describe the functions of hubs, switches and routers.  
OR  
(a) What is the Internet ? And what are the 3 attributes that make it important to business?  
(b) What do you mean by a protocol ? On which protocol does the internet work ?
5. (a) What do you understand by e-commerce ? Distinguish between pure e-commerce and click-n-brick e-commerce.

- (b) What are the various types of e-commerce and how has e-commerce changed consumer retailing and business to business transaction ?

OR

- (a) What are different e-commerce business and technology trends in practice ?
- (b) Define computer waste. Also discuss the challenges faced by e-commerce business today.

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