K-26/2110 7632/N

Total No. of sheet used : [redacted] **Total No. of Questions**: [redacted]
Subject : **System Analysis and Design**
Class : [redacted] **5th Semester**
Paper : **BCA-312**
Title of Paper : **System Analysis and Design**
Time Allowed : **3 Hours**
Maximum Marks: 75 **MinPass Marks: 35%**

Note: Candidates are required to attempt five questions in all selecting at least two questions each from sections A and B. Section C is compulsory.

SECTION A

Q1. What do you mean by a system? What are various types of systems? Discuss in detail. 15

Q2. Explain the Systems Development Life Cycle approach in detail. 15

Q3. Elaborate the following
a) Responsibilities of system Analyst 7.5
b) Determining user's requirements 7.5

Q4. What are various information gathering tools? Discuss in detail. 15

SECTION B

Q5. What do you mean by the term data dictionary? What is stored in a Data Dictionary? How is data dictionary useful in different phases of the life cycle of a software product? 15

Q6. What do you mean by feasibility study? Discuss various types of feasibility studies giving suitable examples. 15

Q7. Discuss the following in detail
a) Database design 7.5
b) Hardware and software selection 7.5

Q8. What are the activities undertaken during system implementation phase? What is post-implementation review? 15

SECTION C

Q9. a) Differentiate between interaction and interdependence. 03
b) Write short note on initial investigation. 03
c) What are the merits and demerits of decision trees? 03
d) What is adaptive maintenance? 03
e) What do you mean by changeover? 03