

Roll No. **Total No. of Pages: 02**
Total No. of Questions: 07**BCA (Sem.-3rd)**
SYSTEM ANALYSIS & DESIGN
Subject Code: BSBC-301
Paper ID: [B0228]**Time: 3 Hrs.****Max. Marks: 60****INSTRUCTIONS TO CANDIDATE:***Attempt any four questions from section B of the question paper and the entire section A.***Section A**

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| Q1 (a) What is data dictionary? | 02 |
| (b) List various components of a system. | 02 |
| (c) What is design documentation? | 02 |
| (d) What are different methods of information gathering? | 02 |
| (e) What is regression testing? | 02 |
| (f) How integration testing is different from system testing? | 02 |
| (g) How testing is different from debugging? | 02 |
| (h) What is system design? List various stages of system design. | 02 |
| (i) What is economic and social feasibility? | 02 |
| (j) What is need of system maintenance? | 02 |

Section B

- | | | |
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| Q2 | What is SDLC? Explain various phases of SDLC. | 10 |
| Q3 | Write notes on the following:- | 10 |
| | (a) Data Flow Diagram | |
| | (b) Role of System Analyst | |
| Q4 | Define system? How system is different from sub-system? Explain various types of system. | 10 |
| Q5 | What is input and output design? Explain why proper form designing is essential for a system. Briefly, discuss the criteria used for Form design. | 10 |

- Q6 Differentiate the following:-
- (a) Unit and System Testing 10
 - (b) Alpha and Beta Testing
- Q7 What is system implementation process? Explain various system implementation methods with their merits and demerits. 10

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