Seat No_____

Second Year BCA Examination – March, 2019

Subject : System Analysis and Design   Time : 3 Hours
Paper No : 202   Subject Code: 8432   Marks:100

Q-1	**A)** Explain any three categories of Information system.	10
	B) Write note on SDLC.	10
	OR	
Q-1	**A)** Explain terms: System, Analysis, Analyst, System Design, and Information System.	10
	B) Explain Roles of System Analyst in detail.	10
Q-2	**A)** Explain interview and Questionnaire Fact finding Techniques.	10
	B) What do you mean by Data Flow Diagram? What are symbols use to design Data Flow Diagram? Explain with Example.	10
	OR	
Q-2	**A)** Write note on Data Dictionary.	10
	B) Explain Decision tree and structure English in detail.	10
Q-3	**A)** Explain Output objectives, types of output, Key output questions in brief.	10
	B) Explain types of Output format.	10
	OR	
Q-3	**A)** Explain Error checking Methods and error Messages.	10
	B) Write note on Dialogue Design.	10
Q-4	**A)** What is Normalization? Explain 1NF, 2NF and 3NF normal form with example.	10
	B) Explain HIPO Model in detail.	
	OR	
Q-4	**A)** Explain System development in a database environment.	10
	B) Explain Top-Down structure of Module with example.	10
Q-5	**A)** Explain parallel systems, direct conversation, pilot system, phase-in System conversion.	10
	B) Write note on Unit Testing and System Testing in detail.	10
	OR	
Q-5	**A)** Consider Student Management System and draw Primary level DFD, first Level and Data dictionary	20