

November-2017
BCA Semester-3

Subject: CC306 System Analysis and Design

sub code - 20633

Marks: 70

Time 2 1/2 hour

- Q - 1 (a)** What is system? Explain types of system. 7
(b) Write a short note on categories of information system. 7
- OR**
- Q - 1 (a)** Explain characteristics and elements of system. 7
(b) Who is a system analyst? What is the role of an analyst? 7
- Q - 2 (a)** What is SDLC and explain preliminary investigation and system requirement. 7
(b) State the application & limitation of SDLC. 7
- OR**
- Q - 2 (a)** Explain system testing and development software. 7
(b) What is the role of system analyst in system design and system implementation? 7
- Q - 3 (a)** What is SSADM? Explain structured analysis. 7
(b) Explain SPM in detail. 7
- OR**
- Q - 3 (a)** What do you mean by structured design? 7
(b) State the advantages of SSADM 7
- Q - 4 (a)** Explain: site visit fact gathering techniques & questionnaire with its pros and cons. 7
(b) State the input design objectives in detail 7
- OR**
- Q - 4 (a)** Explain: record review & interview. 7
(b) Give difference between data validation vs data verification. 7
- Q - 5 (a)** Write a note on structured English. 7
(b) Explain HIPO chart. 7
- OR**
- Q - 5 (a)** Draw context level and first level dfd for student registration system. (make your own assumptions) 7
(b) Draw decision tree and table for making payments in bank. 7
consider the following decision process
- If the withdrawal made by the account holder in the bank is less than 1000, a fixed penalty of Rs. 50 is to be charged to customer account per month. This will be only charged if he has made more than two such withdrawals during the month.