

S.Y.BCA Examination
OCT-2015
System Analysis & Design-202
Subject Code- 8432

Time: 3 Hours**Total Marks: 100****Q.1 Answer the following Questions**

- (A) List out categories of information system and explain any three in detail. (10)
(B) Explain the terms: System, analysis, analyst, system design and information system. (10)

OR

Q.1 Answer the following Questions

- (A) Explain the role of system analyst in detail. (10)
(B) Write a note on classical development method-SDLC. (10)

Q.2 Answer the following Questions

- (A) Explain interview and questionnaire fact finding techniques with their merits & demerits. (10)
(B) Explain Structured English and Decision Tree with example. (10)

OR

Q.2 Answer the following Questions

- (A) Explain any two fact gathering techniques with their merits & demerits. Also state which one is better with respect to other? (10)
(B) What do you mean by Data Flow Diagram? What are the symbols used to design DFD? Explain in detail with example. (10)

Q.3 Answer the following Questions:

- (A) Explain Output objectives, types of output and Key output questions in brief. (10)
(B) Write a detailed note on dialog design. (10)

OR

Q.3 Answer the following Questions:

- (A) Explain Output formats: Detailed report & Summary report, Tabular output & Graphics output. (10)
(B) What do you mean by verification & validation? Explain input validation in detail. (10)

Q.4 Answer the following Questions

- (A) Explain software design tools: HIPO Model and Warnier/Orr diagram. (10)
(B) Explain the following terms with example: (10)
1. Strong & weak entity 2. Structured Flow Charts

OR

Q.4 Answer the following Questions

- (A) Explain Top-Down Structure of Modules with suitable example. (10)
(B) What do you mean by Normalization? Explain 1NF, 2NF, & 3NF in detail. (10)

Q.5 Answer the following Questions

- (A) Explain parallel systems, pilot system, and phase-in system conversion methods in detail. (10)
(B) Consider the online movie ticket reservation system as a case study and draw primary level DFD and data Dictionary. (10)

OR

- Q.5** What is the purpose of Testing? Explain all levels of testing in detail. (20)

~ Wish You All The Best ~