

[88/A14]

SEAT No. _____

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SARDAR PATEL UNIVERSITY

2017-2018

FYBBA-ITM Second Semester (4 Years) EXAMINATION CBCS

System Analysis and Design- UM02CBBI03

Date: 3-4-2018, Tuesday

Time: 2.00 to 4.00 p.m.

Total Marks: 60

Q.1

(A) Draw General system Model. Explain System element: Input, process, output. [7]

(B) Explain the system Concepts Feedback control and Interface. [8]

OR

Q.1

(A) List and explain types of systems. [7]

(B) List and explain system characteristics. [8]

Q.2

(A) Draw the diagram showing steps of SDLC. Explain Problem identification. [7]

(B) Write a short note on System Design Specifications and Programming. [8]

OR

Q.2

(A) Explain feasibility study step of SDLC. [7]

(B) Write a short note on Evaluation of System step of SDLC. [8]

Q.3

(A) Explain the limitations of SDLC. [7]

(B) Draw the Decision Table and Decision tree for the following. [8]

A College XYZ library will issue book under the following conditions:-

1. If a student has ID proof and has not issued more than one book.
2. If a student has ID proof and has issued more than one books but has management approval then book will be issued.
3. Reject book issue request in all other cases.

OR

Q.3

(A) Explain Decision structure and Looping Structure in structure English by taking appropriate example. [7]

(B) List and explain the steps of structured analysis. [8]

Q.4

(A) Explain the various categories of checks which can be applied on data during a validation run. [7]

(B) Draw process Hierarchy, context level DFD and 0th level DFD for college Library System. [8]

OR

Q.4

(A) What is DFD? Explain the symbols and rules used for drawing DFD. [7]

(B) Explain Questionnaires and Record review with its advantages and disadvantages. [8]