

Total No. of Questions : 5]

SEAT No. :

PD-2057

[Total No. of Pages : 2

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S.Y.B.B.A.(Computer Application)

CA-303:Software Engineering

(2019 Pattern) (CBCS) (Semester-III)

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) All questions are compulsory.
- 2) Figures to right indicate marks.

Q1) Attempt any Eight of the following :

[8 × 2 = 16]

- a) Which are the different fact finding techniques?
- b) State any 4 types of System.
- c) What is the purpose of requirement gathering?
- d) Explain process.
- e) What is software Engineering?
- f) Explain in brief characteristics of the system.
- g) Define SDLC
- h) What is requirement Analysis?
- i) Explain McCall's Quality Factors in software.
- j) Define a feasibility study in software development.

P.T.O.

Q2) Attempt any FOUR of the following : **[4 × 4 = 16]**

- a) Explain System Testing with its types.
- b) Describe the role of System Analyst.
- c) Explain DFD and List out various types of DFD's.
- d) Explain Spiral model in detail
- e) What are the main components of decision trees and decision tables?

Q3) Attempt any FOUR of the following : **[4 × 4 = 16]**

- a) Draw ER Diagram for "Hotel Management System".
- b) Explain SRS document in detail.
- c) Describe VV model.
- d) Write a short note on qualities of good software.
- e) Discuss the importance of input and output design in system design.

Q4) Attempt any FOUR of the following : **[4 × 4 = 16]**

- a) Explain elements of Analysis model.
- b) Explain the term requirement elicitation
- c) Design a decision tree for a loan approval system that includes conditions for loan eligibility based on credit score and income.
- d) Explain 5 basic steps of software development
- e) Create a Data Flow Diagram (DFD) up to the first level for a library management system.

Q5) Write a short note on Any TWO of the following : **[2 × 3 = 6]**

- a) Data Dictionary.
- b) Waterfall model.
- c) Product

