Total No. of Questions : 4]

SEAT No. :

PC-1064

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T.Y. B.Com.

356(L) : SOFTWARE ENGINEERING - I

Computer Programming and Application - III

(2019 Pattern) (CBCS) (Semester - V) (Special Paper - III)

Time : 2½ Hours] *[Max. Marks : 50*

Instructions to the candidates:

1) ***All questions are compulsory.***
2) ***Figures to the right indicate full marks.***

Q1) A) Fill in the Blanks (any Five) : **[5]**

i) _____is an assessment of the practicality of a proposed project plan or method.

(Feasibility study, Requirement analysis, Software engineering, System Development)

ii) _____is a process of collecting and interpreting facts, identifying the problems, and decomposition of a system into its components.

(RAD, Systems Analysis, Design, V Model)

iii) _____is a software development process for object-oriented models.

(Waterfall, RUP model, system model, Project development)

iv) _____is a systematic and disciplined approach to software development that aims to create high-quality, reliable, and maintainable software.

(software engineering, Prototyping, Concepts, Modelling)

v) System Requirements Specification is a structured collection of information that embodies the requirements of a_____

(Class, type, project, system)

vi) The____is a classical model used in system development life cycle to create a system with a linear and sequential approach.

a) waterfall model b) RAD model
c) RUP model d) SpiralModel

P.T.O.

vii) Mc Call's factor model classifies all software requirements into____ software quality factors.

a) 5 b) 6
c) 10 d) 11

B) Match the following : **[5]**

Column - A		Column - B
i)	System Design	a) Prototype is built
ii)	Open system	b) Process of defining components
iii)	V Model	c) Interacts with its environment
iv)	Prototyping Model	d) Helps in marking complex decisions
v)	Decision Support Systems	e) Verification and Validation Model

Q2) Short Notes (Any 2 out of 4) **[10]**

a) Characteristics of System
b) Qualities of System Analyst
c) Waterfall Model
d) Feasibility Study and its types

Q3) a) Define System Analysis. Explain in detail the types of system **[8]**

b) What is Requirement anticipation? Explain the need of requirement analysis **[7]**

Q4) a) Explain in detail System Development Life Cycle. **[8]**

b) Explain Mc Call's Quality Model. **[7]**

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