Total No. of Questions : 4]

SEAT No. :

PE1104

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T.Y.B.Com.
COMPUTER PROGRAMMING AND APPLICATION-III
356L : Software Engineering-I
(2019 Pattern) (CBCS) (Semester-V)

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]**

a) _____ is an assessment of the practicality of a proposed project plan or method.
(Feasibility study , Requirement analysis, Software engineering, System Development)

b) _____ 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)

c) _____ is a software development process for object oriented models.
(Waterfall , RUP model, system model, project development)

d) _____ is a systematic and disciplined approach to software development that aims to create high-quality, reliable, and maintainable software.
(Software engineering , Prototyping, Concepts , Modelling)

e) System Requirements Specification is a structured collection of information that embodies the requirements of a _____.
(class, type, project, system)

f) The _____ is a classical model used in system development life cycle to create a system with a linear and sequential approach.

i) waterfall model ii) RAD model
iii) RUP model iv) Spiral model

g) McCall's factor model classifies all software requirements into _____ software quality factors.

i) 5 ii) 6
iii) 10 iv) 11

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

	Column A		Column B
a)	System Design	i)	Prototype is built
b)	Open system	ii)	Process of defining components
c)	V Model	iii)	interacts with its environment
d)	Prototyping Model	iv)	helps in making complex decisions
e)	Decision Support Systems	v)	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 McCall's Quality Model. **[7]**



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