Total No. of Questions: 4]

SEAT No. : ____

PB1369

[Total No. of Pages :2

[6224]-529
T.Y.B.Com.
SOFTWARE ENGINEERING
356-L: Computer Programming and Application-III
(CBCS 2019 Pattern) (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. **[5×1=5]**

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

i) Software engineering ii) Prototyping
iii) Concepts iv) Modelling

b) _____ is the process of defining the architecture, interfaces, and data for a system that satisfies specific requirements.

i) System development ii) System design
iii) System manufacturing iv) System control

c) _____ method seeks information from the person in written and prescribed format.

i) Call Interview ii) Enquiry
iii) Questionnaires iv) Communication

d) 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

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

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

P.T.O.

B) Match the following: **[5×1=5]**

a)	Prototyping Model	i)	Evaluate feasibility of system
b)	Throwaway prototyping	ii)	Spiral software development Methodologies
c)	Software Quality Attributes	iii)	Prototype is built
d)	Feasibility Study	iv)	Correctness
e)	Rational Unified Process	v)	Rapid Prototyping

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

a) Types of System

b) Qualities of System Analyst

c) System Requirement Specification

d) System Concepts

Q3) a) Define System Analysis. Explain in detail Role of System Analyst. **[8]**

b) What is Software Engineering? What is the need for software Engineering? **[7]**

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

b) What is Feasibility Study? Explain Types of Feasibility Study in detail. **[7]**