[6142]-529

T.Y. B.Com.

SOFTWARE ENGINEERING - I (Special Paper-III)

356 (L) : Computer Programming and Application - III

(2019 Pattern) (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: **[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]**

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]**

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