Total No. of Questions : 4]

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P-1814

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## T.Y. B.Com.

## COMPUTER PROGRAMMING AND APPLICATION-III

## 356L : Software Engineering (I)

## (2019 Pattern) (Special Paper-III) (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 (Attempt any 5 out of 6)** **[5]**

i) _____ is proposed the spiral model.

a) Barry Boehm b) Pressman
c) Royce d) IBM

ii) _____is system software.

a) Computer program b) Testing
c) AI d) IOT

iii) Quality Management is known as _____

a) SQI b) SQA
c) SQM d) SQA & SQM

iv) RAD software process model stands for_____

a) Rapid application development
b) Relative application model
c) Rapid application design
d) Recent application development

v) The first step is the SDLC is _____

a) Analysis b) Design
c) Problem Identification d) Development

vi) _____ is not characteristics of system.

a) Structure b) Central objective
c) Dependence d) Independence

***P.T.O.***

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

| List I | | List II | |
|---|---|---|---|
| a) | Evolutionary model | I) | Requirement compromises are inevitable |
| b) | Waterfall model | II) | Specification can be developed incrementally |
| c) | Component based Software Engineering | III) | Explicit recognition of risk |
| d) | Spiral development | IV) | Inflexible partitioning of the project into stages |

***Q2)*** **Short notes (any 2 out of 4) :** **[10]**

a) Spiral model

b) Software Requirement specification (SRS)

c) Fact gathring techniques.

d) Mc call's quality factor.

***Q3)*** a) Explain system concept and it's types in detail. **[8]**

b) Explain system Analyst with it's role, knowledge and qualities. **[7]**

***Q4)*** a) Explain Software Engineering with needs and characteristics. **[8]**

b) Explain SDLC (software Development life cycle) in detail. **[7]**