Total No. of Questions : 4]

SEAT No. :

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T.Y. B.Com
366(L) : COMPUTER PROGRAMMING AND APPLICATIONS
Software Engineering
(2019 Pattern) (Semester - VI) (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]**

i) Software Engineering is the process of designing, developing, testing and maintaining _____

a) Hardware b) Software

c) System d) Risk

ii) _____ Testing is a type of software testing where individual units of components of a software are tested.

a) Unit b) White box

c) Complete d) Quick

iii) _____ refers to the degree of interdependence between software modules.

a) Verification b) Validation

c) Coupling d) Cohesion

iv) Significant _____ involved with software development is poor quality code.

a) Importance b) Case

c) Unit d) Risk

v) ERDs represent the data in a _____ manner.

a) straight b) graphical

c) geographical d) side

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

i)	Software engineering	contains metadata
ii)	Data validation	elements are closely related
iii)	High cohesion	Black box testing
iv)	Data dictionary	Software development
v)	System Testing	Ensure accuracy and quality of data

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

a) Entity Relationship Diagrams

b) Decision Tree and Decision Table

c) Explain Data validation

d) Screen Layout designing

Q3) a) What is software engineering? Explain the need of System analysis **[8]**

b) What are Data flow diagrams? Explain the advantages of Data flow diagrams. **[7]**

Q4) a) Explain the concept of Software Testing and its types in detail. **[8]**

b) What is data verification? Explain the need for data verification. **[7]**

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