

Total No. of Questions : 4]

SEAT No. :

PD-979

[Total No. of Pages : 2]

[6439]-329

T.Y. B.Com.

COMPUTER PROGRAMMING AND APPLICATIONS
366 L : Software Engineering
(2019 Pattern) (Paper - III) (Semester - VI)

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 or 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

P.T.O.

B) Match the following :

[5]

i) Software engineering	a) Contains metadata
ii) Data validation	b) Elements are closely related
iii) High cohesion	c) Black box testing
iv) Data dictionary	d) Software development
v) System Testing	e) 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]

