PC-1095

[6315]-429

T.Y. B.Com.

COMPUTER PROGRAMMING AND APPLICATIONS - III

366(L) : Software Engineering - I

(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 Blank : **[5]**

i) _____engineering is an engineering based approach to software development .

a) Mechanical   b) Traditional

c) Software   d) Hardware

ii) _____is a supervised learning algorithm which is used for both classification and regression.

a) DFD   b) ERD

c) Decision tree   d) Decision Table

iii) _____is widely used technology because it is compulsory to test each and every software before deployment.

a) Software testing   b) Debugging

c) Unit   d) Design

iv) _____refers to the process of ensuring the accuracy and quality of data .

a) Verification   b) Data validation

c) Decision table   d) Testing

v) Coupling refers to the degree of interdependence between____

a) software modules   b) data

c) information   d) validation

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

Group - A		Group - B	
i)	High cohesion	a)	Each software unit performs as expected
ii)	ERD	b)	Data Flow Diagram
iii)	DFD	c)	Entity Relationship Diagram
iv)	Unit testing	d)	Checking data for accuracy
v)	Data verification	e)	Elements are closely related

Q2) Short Notes (Any 2 out of 4) **[10]**
   a) Data Dictionary
   b) Integration Testing
   c) Qualities of Good design
   d) Screen Layout Designing

Q3) a) Explain in detail Software Analysis and Design **[8]**

   b) Explain in detail Entity Relationship Diagrams and Data Flow Diagrams **[7]**

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

   b) Explain Feasibility Study and Data validation. **[7]**

⌘⌘⌘