Total No. of Questions : 4]

SEAT No. :

PB1404

[Total No. of Pages : 2

[6224]-629
T.Y. B.Com.
COMPUTER PROGRAMMING AND APPLICATIONS
L - 366 : 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]**

a) _____ engineering is an engineering based approach to software development.

i) Mechanical ii) Traditional

iii) Software iv) Hardware

b) _____ is a supervised learning algorithm which is used for both classification and regression.

i) DFD ii) ERD

iii) Decision tree iv) Decision Table

c) _____ is widely used technology because it is compulsory to test each and every software before deployment

i) Software testing ii) Debugging

iii) Unit iv) Design

d) _____ refers to the process of ensuring the accuracy and quality of data.

i) Verification ii) Data validation

iii) Decision table iv) Testing

e) Coupling refers to the degree of interdependence between _____

i) Software modules ii) Data

iii) Information iv) Validation

P.T.O.

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

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

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

a) Data flow Diagrams

b) Types of Modules

c) Unit testing

d) Entity Relationship Diagrams

Q3) a) What is Data Dictionary? Explain its elements in detail. **[8]**

b) What is Risk identification and Risk projection. **[7]**

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

b) Explain Feasibility Study and Fact Finding Techniques. **[7]**

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