

Total No. of Questions : 4]

SEAT No. :

P1847

[Total No. of Pages : 2

[6032]-629

T.Y.B. Com.

366(I) : COMPUTER PROGRAMMING AND APPLICATION

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]

- 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]
- Black Box Testing
 - Decision Tree and Decision Table
 - Explain Cohesion
 - Screen Layout designing

- Q3)** a) Explain in detail Software Analysis and Design. [8]
- b) What is Data Dictionary? Explain the advantages of Data Dictionary. [7]

- Q4)** a) Explain the concept of Software Testing and its types in detail. [8]
- b) What is validation of data? Why it is useful. [7]

