



RAN - 2011000305020081

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T.Y.B.Sc. (Comp. Science) (Sem. V) Examination October - 2023

Software Engineering : Paper 501

Time: 2 Hours]

[Total Marks: 50

सूचना : / Instructions

(१)

नीचे दशविले निशानीवाणी विगतो उत्तरवली पर अवश्य लपववी.
Fill up strictly the details of signs on your answer book

Name of the Examination:

T.Y.B.Sc. (Comp. Science) (Sem. V)

Name of the Subject :

Software Engineering : Paper 501

Subject Code No.: **2011000305020081**

Seat No.:

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Student's Signature

- (2) Answer all the questions.
- (3) Figures in the right indicates full marks.
- (4) Illustrate your answer with necessary example, if required.

Q. 1 Answer the following questions. (Any Seven)

[14]

1. Define Software Engineering?
2. List various techniques for Requirement gathering.
3. Why Database design is important?
4. Define pair programming.
5. Define FAST.
6. What do you mean by software Maintenance? List its types.
7. What do you mean by term modularity in software design?
8. Data is Data Dictionary. What is its importance.

Q. 2 Answer the following questions. [Any Three]

[12]

1. Classify software types. List characteristics of software.
2. List down various UI design guidelines.
3. Discuss terms Abstraction, Refinement, Coupling of design
4. Discuss Waterfall Model.
5. Discuss Gannt Chart in detail.

Q. 3 **Answer the following questions. [Any Three]** **[12]**

1. Draw DFD for Library Management system upto 2nd level.
2. Discuss steps of defining Task set for the software project.
3. What is SRS? What is its importance in software development Life cycle.
4. What is cohesion? Discuss its types.

Q. 4 **Answer the following questions. [Any Two]** **[12]**

1. Discuss various Software team managements.
 2. Discuss Spiral Model in detail. In which projects you will select spiral Model.
 3. Write about various UI design guidelines.
 4. Discuss COCOMO Model - II of effort estimation.
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