

2011000305020081
EXAMINATION FEBRUARY-MARCH 2024
BACHELOR OF SCIENCE (FIFTH SEMESTER)
COMPUTER SCIENCE-VI (PAPER-501-SOFTWARE
ENGINEERING) - LEVEL 2

[Time: As Per Schedule]

[Max. Marks:50]

Instructions:

1. Fill up strictly the following details on your answer book

- a. Name of the Examination : **BACHELOR OF SCIENCE (FIFTH SEMESTER)**
 - b. Name of the Subject : **COMPUTER SCIENCE-VI (PAPER-501-SOFTWARE ENGINEERING)-LEVEL 2**
 - c. Subject Code No : **2011000305020081**
2. Sketch neat and labelled diagram wherever necessary.
 3. Figures to the right indicate full marks of the question.
 4. All questions are compulsory.
 5. Illustrate your answer with necessary example, if required.

Seat No:

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Student's Signature

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

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1. What is indexing in database design?
2. Define coupling. List its types.
3. Discuss Challenges to software Engineering.
4. Define input design.
5. What is functional dependency?
6. Explain data modelling.
7. What is Fact-Finding?
8. Define data flow diagram.

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

12

1. Discuss characteristics of software.
2. Explain system analysis and design with its tools.
3. Discuss various types of maintenance in software development.
4. Explain Spiral model in detail with its limitations.

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

12

1. Discuss expected Characteristics from SRS.
2. Discuss types of cohesion in detail.
3. Explain Data Dictionary. Why is it useful in the process of Software Development?
4. What is testing? Why it is needed? Give its type.
5. List key differences among Cocomo-I and Cocomo-II Model.

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

12

1. Define RAD Model in short? In which situation you will choose RAD Model.
2. Explain about various Software Team Management.
3. Write a note Software project scheduling and tracking.
