Hall Ticket Number:

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III/IV B.Tech (Regular/Supplementary) DEGREE EXAMINATION

December, 2021

Fifth Semester

Time: Three Hours

Computer Science and Engineering

Software Engineering

Maximum: 50 Marks

Answer Question No.1 compulsorily.
Answer ONE question from each unit.

(10X1 = 10 Marks)
(4X10=40 Marks)

1. a) What is the prime objective of software engineering?
    b) What is agility?
    c) What is need of software process?
    d) What do you meant by use case?
    e) List any 5 Design Concepts
    f) Define Cohesion
    g) What is architecture?
    h) Distinguish between alpha and beta testing
    i) Define Software Quality.
    j) What is software metric?

Unit –I

2. a) Explain the following: 10M
        i)Water fall model   ii)Spiral model

(OR)

3. a) Explain about different software myths?   10M

Unit –II

4. a) What is the purpose of class based modeling? What are the notations used for the   5M
        same?
    b) Explain various aspects of Requirements Engineering?   5M

(OR)

5. a) Define CRC and draw class diagram for Online Reservation System.   5M
    b) Explain in detail about collaborative requirements gathering   5M

Unit –III

6. a) Explain the elements of the design model?   5M
    b) Explain the process of user interface design evaluation   5M

(OR)

7. a) Explain the design of class based components.   5M
    b) Explain any two Architectural styles   5M

Unit –IV

8. a) What are the testing strategies for Object-Oriented Software?   5M
    b) Differentiate between white-box-testing & Black-box-testing.   5M

(OR)

9. a) Explain about the following   10M
        a) SQA activities.
        b) Software reliability
        c) SQA plan