Hall Ticket Number:

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

November, 2019   **INFORMATION TECHNOLOGY**

Sixth Semester   **Software Engineering**

Time: Three Hours   **Maximum:** 60 Marks

Answer Question No.1 compulsorily.   (1X12 = 12 Marks)

Answer ONE question from each unit.   (4X12=48 Marks)

1   Answer all questions   (1X12=12 Marks)
   a)   What is Agile process model?
   b)   What do you mean by legacy software?
   c)   What is Process Perspective of CASE?
   d)   What is Software Engineering in IEEE terms?
   e)   List out process framework activities.
   f)   What is modelling concepts?
   g)   List the golden rules for user interface design
   h)   What is a component and give an example?
   i)   What is pattern based software design?
   j)   What is white box testing?
   k)   Define verification and validation.
   l)   What is quality concept in software quality assurance?

UNIT I

2.   a)   Explain about incremental process model.   6M
     b)   Compare the personal and team process models.   6M

(OR)

3.   a)   What is waterfall model? How it different from other engineering process models?   6M
     b)   What is CMMI? Describe in detail about CMMI.   6M

UNIT II

4.   a)   Determine Class based modelling with example.   6M
     b)   Elaborate on requirements discovery and view points   6M

(OR)

5   a)   How can you develop Use cases with an example?   6M
     b)   Discuss about flow oriented modelling?.   6M

UNIT III

6.   a)   Discus about design evaluation in performing user interface design.   6M
     b)   Explain about designing conventional components in modelling component level design. 6M

(OR)

7.   a)   Write about assessing alternative architectural designs.   6M
     b)   Explain architectural styles and patterns.   6M

UNIT IV

8.   a)   Explain the art of debugging?   6M
     b)   Discuss about ISO 9000 Quality standards   6M

(OR)

9.   a)   How metrics are integrating with process?   6M
     b)   Discuss test strategies for conventional software?   6M