1T01876 - T.E. Computer Science and Engineering (Artificial Intelligence and Machine Learning) (Choice Based) (R-19- 'C' Scheme)SEMESTER - VI / 37473 - Software Engineering and Project Management   QP CODE: 10039291

DATE: 15/12/2023

Time: 3 Hrs   **Marks: 80**

Note: 1. Q.1 Compulsory
          2. Solve any 3 question from remaining five questions

Q1. **Each sub-question carries 05 marks.**

a) Define software engineering and explain umbrella activities   5 M
b) Explain the 4'PS of project Management   5 M
c) Explain functional and non-functional requirements   5 M
d) Explain the Agile process model   5 M

Q2 a) Elaborate COCOMO model for Cost estimation   10 M
   b) Illustrate the SCM process of Software quality management.   10 M

Q3. a) Describe the waterfall model and incremental process model   10 M
    b) What is Risk management? Discuss RMMM plan for risk management   10 M

Q4.a) What are the different phases in project life cycle explain with suitable example
                                                                                 10M
    b) Explain the user interface design in details with example   10M

Q5. a) Develop the SRS of Hospital Management system   10M
    b) Describe the details of FTR and Walkthrough   10M

Q6. a) Explain project scheduling and describe CPM and PERT   10 M
    b) Differentiate between white box and black box testing   10 M

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