

BACHELOR OF TECHNOLOGY (CBCS) (2021-COURSE)
B. Tech. Sem - V COMPUTER SCIENCE & ENGINEERING-A&M : SUMMER : 2024
SUBJECT: ITC-III: SOFTWARE ENGINEERING

Day : Thursday
Date : 16/05/2024

S-23959-2024

Time : 10:00 AM-01:00 PM
Max. Marks : 60

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw neat labelled diagrams **WHEREVER** necessary.
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Q.1 Explain in detail the attributes of good software. (10)

OR

Q.1 What is software? What are the key challenges faced in software Engineering. (10)

Q.2 Explain Waterfall model in detail with its advantages and disadvantages. (10)

OR

Q.2 Explain the Software Process Framework. (10)

Q.3 Explain the Functional and Non-Functional requirements. (10)

OR

Q.3 Write an SRS for Hospital Management System. (10)

Q.4 Explain Cohesion and Coupling. Explain different types of Cohesion. (10)

OR

Q.4 List the principles of software design. (10)

Q.5 Differentiate between alpha and beta testing. (10)

OR

Q.5 Design the test cases for Medical Management System. (10)

Q.6 Explain Agile process model of software development. (10)

OR

Q.6 Explain Scrum methodology with suitable diagram. (10)

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