

BACHELOR OF TECHNOLOGY (CBCS) (2021-COURSE)
B. Tech. Sem - V COMPUTER SCIENCE & ENGINEERING : SUMMER : 2024
SUBJECT: SOFTWARE TESTING & QUALITY ASSURANCE

Day : Wednesday
Date : 08/05/2024

S-25588-2024

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 and labelled diagram **WHEREVER** necessary.

Q.1 What are the objectives of testing? Write the different issues while carried out testing and compare between verification and validation (10)

OR

Q.1 Design test cases that satisfy the decision coverage criteria by considering suitable example. (10)

Q.2 Explain entry and exit criteria for alpha and beta testing. How Alpha testing is differ from Beta testing? (10)

OR

Q.2 What is data flow testing? Explain feasible paths and test selection criteria in data flow testing. (10)

Q.3 Explain boundary value analysis with the help of example. (10)

OR

Q.3 Define load and stress testing and explain both with respect to online shopping web portal. (10)

Q.4 List and explain McCall's quality factors and criteria. (10)

OR

Q.4 Explain metrics for monitoring test execution. (10)

Q.5 List types of quality costs. Explain each in detail. (10)

OR

Q.5 List and explain standards and different methodologies for defect prevention. (10)

Q.6 With neat diagram describe test ING framework. (10)

OR

Q.6 Define software automation and Explain design & scope of automation. (10)

* * *