

BACHELOR OF TECHNOLOGY (CBCS) (2020 COURSE)

Information Technology

B.Tech.Sem - VI :SUMMER : 2023

SUBJECT : SOFTWARE TESTING & QUALITY ASSURANCE

Day : Wednesday

Time : 02:30 PM-05:30 PM

Date : 24-05-2023

S-24744-2023

Max. Marks : 60

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate **FULL** marks.
- 3) Assume suitable data **WHEREVER** necessary.
- 4) Draw neat labeled diagrams **WHEREVER** necessary.

Q.1 Enlist and explain principles of software testing with an example. (10)

OR

Q.1 Discuss defect lifecycle with a neat labelled diagram. (10)

Q.2 Define white box testing. Enlist and explain the various techniques of white box testing. (10)

OR

Q.2 Define test plan. Enlist the format of test plan. Write test plan of library management system. (10)

Q.3 Define test case. Write test case for Airline reservation system. (10)

OR

Q.3 Enlist and explain any 4 black box testing techniques with an example. (10)

Q.4 Enlist and explain the levels of testing with example. (10)

OR

Q.4 Differentiate between functional and non-functional testing. Explain any 3 types of functional and non-function testing. (10)

Q.5 Write note on selenium in detail. (10)

OR

Q.5 Define automation testing. Explain the process of automation testing. (10)

Q.6 Write note on total quality management in detail. (10)

OR

Q.6 Define quality management and project management. Elaborate six sigma in detail. (10)

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