BACHELOR OF TECHNOLOGY (C.B.C.S.) (2014 COURSE)
B.Tech.Sem - VII Information Technology : WINTER- 2022
SUBJECT : SOFTWARE TESTING

Day : Tuesday   Time : 02:30 PM-05:30 PM

Date : 13-12-2022   **W-13429-2022**   Max. Marks : 60

....

N.B.:

1) All questions are **COMPULSORY**.
2) Figures to the right indicate **FULL** marks.
3) Assume suitable data if necessary.

Q.1	Define Error, Bug and failure of the system with respect to software testing. Also, describe the bug life cycle with diagram.	**(10)**
	OR	
Q.1	How does testing helps in producing good software? Describe different levels of testing.	**(10)**
Q.2	What is a test plan? Describe in details different components of test plan. Also, draw the diagram showing test plan hierarchy.	**(10)**
	OR	
Q.2	What is the significance of debugging process? Describe all steps of debugging process. How can you differentiate debugging activity than software testing activity?	**(10)**
Q.3	Explain usability and accessibility testing for website application.	**(10)**
	OR	
Q.3	What is compatibility testing? Describe different types of compatibility testing with suitable example.	**(10)**
Q.4	Write a note on: 1) Classification of software measures 2) Measurement framework	**(10)**
	OR	
Q.4	Describe exponential distribution and reliability growth models.	**(10)**
Q.5	Write a note on: 1) Planning for Software Quality Assurance (SQA) 2) Six sigma principles	**(10)**
	OR	
Q.5	Explain in detail project metrics and progress metrics.	**(10)**
Q.6	Define the term test case and write at least 20 test cases for online railway reservation system.	**(10)**
	OR	
Q.6	What is an automation testing? How it helps to identify faults in earlier phase of software development? Describe the challenges in automation testing.	**(10)**

*   *   *   *