Roll No.												

PRESIDENCY UNIVERSITY

BENGALURU

Mid - Term Examinations – October 2025

Date: 11-10-2025 **Time:** 09.30am to 11.00am

School: SOCSE	**Program:** Information Science and engineering	
Course Code :ISE2500	**Course Name:** Software Testing and Quality Assurance	
Semester: V	**Max Marks**:50	**Weightage**:25%

CO - Levels	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**
Marks	**06**	**24**	**20**		

Instructions:

(i) Read all questions carefully and answer accordingly.

(ii) Do not write anything on the question paper other than roll number.

Part A

Answer ALL the Questions. Each question carries 2marks. **5Q x 2M=10M**

1	Differentiate functional and non-functional testing	**2 Marks**	**L2**	**CO1**
2	List out different black box testing techniques	**2 Marks**	**L1**	**CO1**
3	Define Sanity testing	**2 Marks**	**L1**	**CO1**
4	Define statement coverage testing	**2 Marks**	**L1**	**CO2**
5	Outline the significance of equivalence portioning testing	**2 Marks**	**L1**	**CO2**

Part B

Answer the Questions. **Total Marks 40M**

6.	**a.**	Explain waterfall model with diagram. Explain its strength and weakness	**10 Marks**	**L3**	**CO2**
		Or			
7.	**a.**	Explain spiral model with diagram. Explain its strength and weakness	**10 Marks**	**L3**	**CO2**

8.	**a.**	Describe different phases of STLC	**10 Marks**	**L3**	**CO2**
		Or			
9.	**a.**	Describe different phases of Defect life cycle	**10 Marks**	**L3**	**CO2**

10.	**a.**	Explain role of decision table testing with a suitable example	**10 Marks**	**L3**	**CO3**
		Or			
11.	a.	Illustrate with atm application, explain state transition with suitable example	**10 Marks**	**L3**	**CO3**

12.	**a.**	What is condition coverage testing? Explain multiple condition testing with suitable example with test cases	**10 Marks**	**L3**	**CO3**
		Or			
13.	**a.**	Illustrate BVA, boundary value analysis for a square0display area with co-ordinate A(10,10), B(100,10), C(100,100), and D(10,100)	**10 Marks**	**L3**	**CO3**