Priyadarshini College of Engineering, Nagpur

Department : C.Tech. **Semester** : VI **Section** : A & B
CAT-II(2022-23)

Subject : Elective II: STQA **Subject Code** : BTCT603T-2
Max. Marks : 35 **Duration** : 1.5hrs

Sr. No.		Questions	Marks	CO	BL
Q1 I.	A.	What is the main task of test planning?	1M	CO3	1
		a) Measuring and analyzing results b) Evaluating exit criteria and reporting c) Determining the test approach d) Preparing the test specification			
I.	I	ITG stands for------?	1M	CO3	1
		a) Integration Testing Group b) Instantaneous Test Group c) Independent Test Group d) Individual Testing Group			
	B.	Difference between Alpha testing and beta testing.	5M	CO3	1,2

OR

Q2 I.	A.	----- are the problems that threaten the success of a project but which has not yet happened.	1M	CO3	1
		a)Risk b)Failure c) Failure d)Error			
	II.	What are the various Testing Levels?	1M	CO3	1
		a)Unit Testing b)System Testing c)Integration Testing d) All of the mentioned			
	B.	Explain Regression testing with an example	5M	CO3	2
Q3 I.	A.	The intent of project metrics is:	1M	CO4	1
		a) minimization of development schedule b) for strategic purposes c) assessing project quality on ongoing basis d) minimization of development schedule and assessing project quality on ongoing basis			
I.	I	Which of the following is an indirect measure of product?	1M	CO4	1
		a) Quality b) Complexity c) Reliability d) All of the Mentioned			
	B.	What are te approaches to to generate the test data?	5M	CO4	2
	C.	What is Debugging? Enlist its Testing technoques.	7M	CO4	2

OR

Q4 A.	1.	Which of the following testing is refers to as a fault-based testing technique?	1M	CO4	1

a)Stress testing   .   b)Mutation testing
c)Beta testing   d) Unit testing

	II	What is component testing?	1M	CO4	1

a) White-box testing
b) Grey box testing
c) Black box testing
d) Both a & c

B.		Give the criteria for selecting testing tools.	5M	CO4	1,2
C.		Explain design and Architecture for Automation.	7M	CO4	2
Q5 I.	A.	In size oriented metrics, metrics are developed based on the _____	1M	CO5	1,2

a) number of Functions   b) number of user inputs
c) number of lines of code   d) amount of memory usage

	II	Usability can be measured in terms of:	1M	CO5	1,2

a) Intellectual skill to learn the system
b) Time required to become moderately efficient in system usage
c) Net increase in productivity
d) All of the mentioned

B.		Explain how the Progress metrics is calculated.	5M	CO5	2
C.		What is Syntax testing and write in detail about its formats and test cases?	7M	CO5	2

OR

Q6 I.	A.	SMI stands for?	1M	CO5	1

a) Software Mature Indicator   b) Software Mature Index
c) Software Maturity Index   d) Software Maturity Indicator

	II	-------- is not used in evaluating the size of the software?	1M	CO5	1

a) Function points   b) KLOC
c) Size of module   d) None of the above

B.		What is Web testing?	5M	CO5	2
C.		What is Syntax testing and write in detail about its formats and test cases.	7M	CO5	2