TE Semv (c scheme) R 2019 "CCC" Nov. Dec 2022	
er/Subject Code: 32125/Dens	12.
er/Subject Code: 32125 / Department Level Optional Course-I: Software Testing & Quality Assur	ance
(3 hrs.) Optional Course-I: Software Testing & Quant	
1. Question No. 1 is compulsory and solve any THREE questions from remaining questions 2. Assume suitable data if necessary 3. Draw clean and neat diagrams	
Q1. Attempt any four	.) [*]
a. Explain lifecycle of	γ.
a. Explain lifecycle of bugs with a neat diagram. b. Explain the structure and the structure of the structu	,5°-
b. Explain the structure of the testing group. c. Explain the method.	b'
c. Explain the method to perform loop testing in software. 5 d. Explain the need of testing in software.	Ç.
or lest automat:	
e. Discuss the challenges related to agile testing.	
Q2. a. A Program accepts a, b, c as 3 sides of a triangle. The range of a, b, c is [1,100]. triangle which is type of triangle as or of the range of a, b, c is [1,100].	1
(BVC) and Robustness Testing Method	
b. Discuss regression testing.	
Q3. a. Explain Software Testing Life Cycle in detail.	
b What is a test plan document? Explain the components of test plan document. 10	
Q4 a. Consider a program to calculate the factorial of a number. It consists of main() program 10	
and the module fact(). Calculate the factorial of a number. It consists of main() program 10 and then the cyclomatic complexity of whole program.	
Prostacy of whole program.	
int fact(int);	
Omain()	
int number;	
1. clrscr();	
printf("Enter the number whose factorial is to be found");	
3. scanf("%d",&number); 4. if(number < 0)	
5. printf("Factorial can't be defined for this numebr"); 6. else	
7. printf("Factorial is %d",fact(number));	
8.}	
int fact(int number)	

int index;

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- 2. for(index=1; index<=number; index++)
- product=product*index;
- return(product);
- 5.}
- b. Explain McCall's quality factors in detail.
- Q5 a. Explain Object-oriented testing.
 - b. Explain acceptance testing in detail.
- Q6 a. Explain ISO 9000:2000.
 - b. Explain goals of software testing.