K. J. Somaiya College of Engineering, Mumbai-77
(Autonomous College Affiliated to University of Mumbai)
Semester: July 2018- Nov 2018

Max. Marks: 30 **Duration: 1hr.15 min.**

Class: TY **Semester: V**

Branch: COMP **Course Code: UCEC505**

Test 2 **Name of the Course: Software Engineering**

Question No.		Max. Marks	*CO Mapped	Bloom's Taxonomy

Q1a)	Calculate the McCabe's Cyclomatic Complexity for the following code segment. Draw the Flow graph and Verify the complexity using all the three equations. Further, list the all the Linearly Independent Paths.
	
	if (month == 1) {
	if (day == 1) {
	print('HAPPY NEW YEAR');
	}
	else {
	print('HAVE A NICE DAY');
	}
	}
	print('END');
	
	OR
	
	With reference to Software Testing and Maintenance strategies , explain the following terms with diagrams:
	1)Equivalence Class Partitioning
	2)Reverse Engineering
		10	CO4	Application

Q2)	What do you mean by the terms cohesion and coupling in the context of software design? Explain the different types of Cohesion and Coupling.	10	CO3	Comprehension
Q3)	Draw Sequence Diagram for Internal Assessment (IA). Assume suitable data.	10	CO3	Application