

Maximum Marks:30 Semester: July 2023 - Oct 2023
Examination: In-Semester Examination Programme code: 01 Programme: B.Tech Duration: Ihr 15 min Name of the Constituent Colleges: Sem: III (SVU 2020) K. J. Somaiya College of Engineering Class: SY Name of the department: COMP Course Code: 116U01C304 of the Course: Object Oriented

Q No.	Name of the Course: Object Offented Programming Methodology Programming Methodology	
Q1	Attempt any two of the Questions	Max. Marks
	B. Explain Garbae of vectors over of objects with an example. (5M)	10
Q2	an example	
	Write a Java program to create a Groceries class containing the following data members' - product name, price, and expiry date (dd/mm/yyyy format) as attributes for n products.  Perform the following operations:  A. Set the data to the Groceries object using either a constructor or method. (3M)  B. Sort details of the product according to product price. (Do not use the inbuilt function for sorting). (5M)  C. Display the final sorted list of products. (2M)	10
	OR	
	Write a Java program to find the longest Palindromic Substring within a string.  Sample Output:	
	The given string is: thequially forward the desired	
	The length of the palindromic substring is: 16	
Q3	What is the significance of a constructor? Explain constructor overloading with an example	10

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