Total No. of Questions – [8]   Total No. of Printed Pages [1]

G.R. No.	

U218-126 (ESE)

DECEMBER 2018 / ENDSEM
S. Y. B. TECH. (CQMMON) (SEMESTER - I)
COURSE NAME: Object Oriented Programming
COURSE CODE: (CSUA21176)
(2017 PATTERN)

Time: [2 **Hours**]   [Max. Marks: **50**]

(*) Instructions to candidates:
1) **Answer Q.1 OR Q.2, Q.3 OR Q.4, Q.5 OR Q.6, Q.7 OR Q.8**
2) **Figures to the right indicate full marks.**
3) **Use of scientific calculator is allowed**
4) **Use suitable data where ever required**

Q.1 a.	Six Important features inheritance ,Polymorphism,Data hiding ,Encapsulation, Abstraction,Classes objects
	OR
b	Definition of copy constructor 2 Marks Example 4 marks
Q2 a.	Declaration of class and objects 2 mark Definition of Function code with Proper Logic 6 Marks
	OR
b	Declaration of class and objects 2 mark Definition of Function code with Proper Logic 4 Marks
Q3 a.	Declaration of class and objects 1 mark Declaration of Functions 1 mark Code with Proper Logic and use of virtual function 4 marks
	OR
b.	Declaration of class and objects 1 mark Declaration of Functions 1 mark Code with Proper Logic use of abstract class 4 marks
Q4 a	4 Important advantages 1 mark each
	OR
b	Use of Function template 2 marks Code with Proper logic 2 marks
Q5 a.	Creation of file 2 marks Code with Proper Logic 4 marks
b.	Definition 1 mark explanation of each function 3 marks
c.	Four important difference 4 marks
	OR
Q6 a.	Creation of file 2 marks Code with Proper Logic 4 marks
b.	Explanation of each mode 4 marks with syntax
c.	Definition 1 mark explanation of steps 3 marks
	OR
Q7 a.	Declaration of list container 2 marks Code with Proper Logic and use of functions 4 marks
b.	Definition 1 mark important Differences 3 marks

C	Definition 1 mark Explanation of Algorithms 3 marks
	OR
Q8a	Declaration of map container 2 marks Implementation of Four functions 4 marks using iterator
b	Definition 1 mark Explanation of Algorithms 3 marks
c	Four Important Features 4 marks