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CODE NO:- Z-247

FACULTY OF ENGINEERING & TECHNOLOGY

S.E (CSE/IT) Year Examination - June – 2015

Object Oriented Programming in C++

(Revised)

[Time: Three Hours]

[Max. Marks:80]

“Please check whether you have got the right question paper.”

i) Solve any two questions from each section

SECTION-A

- Q.1 Solve any five 10
- a) What is the use of scope resolution operator (::) in C++?
 - b) What are the operators of C++ that cannot be overloaded?
 - c) How does constructor differ from normal functions?
 - d) What is the default access mode for class members?
 - e) What do you mean by cascading of I/O operators?
 - f) What is the structure of C++ program?
 - g) What will be the output of the following code ?
For (int m=0 ;m<5;m++)
Cout <<m;
 - h) What does the following loop prints out?
Int m=1 ;
While (m<11)
{
m++;
cout<< m++;
}
- Q.2 a) Difference between object oriented programming and procedure oriented programming . 05
b) What do you mean by function with default parameters ?Explain it with programming example . 10
- Q.3 a) Write a program to create a class DATE having data members DD,MM,YY. i) constructor to initialize the data members ii) show () to display date iii) overload ++ operator to increment date by one day iv) overload –operator to decrement date by one day .Consider one month =30 days 08
b) Write a program to swap two numbers using call by value & call by reference. 07
- Q.4 a) Describe data types inC++ in details. 07
b) Write a program inC++ check whether the given no is prime or not 08
- Q.5 Explain all types of constructor with programming example . 15
- SECTION-B**
- Q.6 Solve any five 10
- a) What is I/O stream ?
 - b) What is the type of class for which objects cannot be created?
 - c) How to open and close file ?
 - d) What is generic in templates ?
 - e) What is “this” ?
 - f) What is container?
 - g) What is the difference between private and protected class members .
 - h) What do you mean by function ?What is the prototype of function?

Q.7	a) Explain with example how can a class template be created.	08
	b) Explain the concept of command line arguments with example.	07
Q.8	a) What does inheritance means in C++ ?What are different forms of inheritance ?Give an example of each.	08
	b) What do you mean by function overriding ?Explain with programming example.	07
Q.9	a) Explain the concept of visibility mode in inheritance with example .	05
	b) Explain functions seekg,seekp, tellg ,tellp. Give proper example which show how they are used for setting pointers during file operation	10
Q.10	Write short note on (<u>any three</u>)	15
	a) Static & dynamic binding	
	b) Virtual base class	
	c) Manipulators	
	d) Exception Handling	