Sant Gadge Baba Amravati University, Amravati Summer 2020 Exam

H.V.P.Mandal's College Of Engineering & Technology Amravati.

Course: Computer Science & Engineering

BE Four Year Fourth Semester (Computer Science & Engineering) Summer 2020 Exam
4KS03 OBJECT ORIENTED PROGRAMMING

ONLY FOR BACKLOG STUDENTS

Note:

1. Solve any Two Questions.

2. Each Question carries 10 Marks.

Question No 1. (10 Marks)

a)	Explain use of reverse() and size() of C++ string class.	**1M**
b)	What is operator overloading? Mention different Unary and Binary operators.	**2M**
c)	Define Derived class constructor. Also give its syntax.	**2M**
d)	State the properties of 'this' pointer. Also give its syntax.	**2M**
e)	Which amongst following is used to open a file in Binary mode? **A.** ios::app **B.** ios::out **C.** ios::in **D.** ios:: binary	**2M**
f)	Define Exception.	**1M**

Question No 2. (10 Marks)

a)	Define: Object, Class, Inheritance, and Polymorphism.	**2M**
b)	State pitfalls of operator overloading.	**2M**
c)	Define Containership.	**1M**
d)	Explain how we can achieve Dynamic Type Information.	**2M**
e)	Which Stream class is used to only write on files? **A.** ofstream **B.** ifstream **C.** fstream **D.** iostream	**2M**
f)	Define Class template and Function Template.	**1M**

Question No 3. (10 Marks)

a)	Define Constructor and give its different types.	**1M**
b)	What is Data conversion? State its different types.	**2M**
c)	Define Function overloading and Function overriding. Also give its syntax.	**2M**
d)	Explain properties of pure virtual function and give its syntax.	**2M**
e)	State different file pointers.	**1M**
f)	What is STL? Define algorithms, sequential containers and iterators.	**2M**

Question No 4. (10 Marks)

a)	State two properties of Static class data.	**1M**
b)	Explain New and Delete operator. Give its syntax.	**2M**
c)	What is mean by multiple Inheritance?	
	A. Deriving a Base class from Derived class	
	B. Deriving Derived class from Base class.	
	C. Deriving Derived class from Multiple Base classes.	
	D. None of the mentioned.	**1M**
d)	What is Abstract Class? Explain.	**2M**
e)	Explain Command Line Argument.	**2M**
f)	Define Specialized Iterators and Associative containers.	**2M**