

G. S. Mandal's

Maharashtra Institute of Technology, Aurangabad

(An Autonomous Institute)

END SEMESTER EXAMINATION

Second Year B.Tech (AIDS) – Feb/Mar-2023

Course Code :AID203

Course Name : Object Oriented Prog.

Duration : 2 Hrs

Max. Marks : 50

Date :08/02/2023

Instructions :

- i) All questions are compulsory
- ii) Assume suitable data wherever necessary and clearly state it
- iii) Figures to right indicate full marks

Q.	Answer any five(Marks:10)	Mark s	CO	B L	P I
1					
a)	State the JIT compiler advantages	2	CO 2	II	
b)	What is the difference between C and C++?	2	CO 1	II	
c)	What are the main features of OOPs?	2	CO 1	II	
d)	What is a destructor?	2	CO 1	II	
e)	What are the advantages of Object-Oriented Languages?	2	CO 2	II	
f)	What is this keyword in java?	2	CO 1	II	
g)	Why is Inheritance used in Java?	2	CO 1	II	
h)	List the features of Java Programming language.	2	CO 2	II	
Q. 2	<p>What is the difference between JDK, JRE, and JVM</p> <p>OR</p> <p>What is the output of the following program?</p> <pre> class Test { public static void main (String args[]) { for(int i=0; 0; i++) { System.out.println("Hello Javatpoint"); } } } </pre>	8	CO 2	III	

Q. 3	<p>What will be the output of the following program?</p> <pre> class Person { public Person() { System.out.println("Person class constructor called"); } } public class Employee extends Person { public Employee() { System.out.println("Employee class constructor called"); } } public static void main (String args[]) { Employee e = new Employee(); } } </pre>	8	CO 3	III	
OR					
Write a Java Program to show the use of constructors <i>overloading.</i>					
Q. 4	<p>What will be the output of the following program?</p> <pre> class A { { System.out.println(1); } } class B extends A { { System.out.println(2); } } class C extends B { { System.out.println(3); } } public class MainClass </pre>	8	CO 4	III	

	<pre> { public static void main(String[] args) { C c = new C(); } } </pre> <p style="text-align: center;">Or</p> <p>Write a java program to use important methods of string class</p>				
Q. 5	<p>What are the types of exceptions in Java API? What is the advantage of using exception handling in Java?</p> <p style="text-align: center;">OR</p> <p>Can we just use try instead of finally and catch blocks? Mention the methods in the throwable class.</p>	8	CO 5	III	
Q. 6	<p>What is the difference between Thread and Process in Java? How do you implement Thread in Java?</p> <p style="text-align: center;">OR</p> <p>Write a simple Java program to implement multithreading example</p>	8	CO 6	III	

