



Indian Association for the Cultivation of Science
(Deemed to be University under *de novo* Category)
Integrated Bachelor's-Master's Program
Mid-Semester (Sem-II) Examination-Spring 2021

Subject: Object-Oriented Programming with Java
Full Marks: 25

Subject Code(s): MCS1201B
Time Allotted: 2 h

[Answer any five questions]

[5*5=25]

1. Explain public static void main (String args[]) in Java. Why Java is platform independent?
[3+2]
2. What is Encapsulation? Write a Java program, to find the factors of a given number.
[2+3]
3. What is Polymorphism? Explain the difference between method overloading and method overriding with the help of example.
[2+3]
4. Explain the use of static and super keyword in java.
[5]
5. What is package? Explain different access specifiers in java.
[1+4]
6. What are class and objects? Explain how an object is created in Java? Also explain the role of constructor in java using java code.
[1+2+2]