

**FACULTY OF ENGINEERING**

**BE (CSE) III – Semester (AICTE) (Main) Examination, March / April 2022**

**Subject: OOPS Using JAVA**

**Time: 3 Hours**

**Max. Marks: 70**

- Note:** (i) First question is compulsory and answer any four questions from the remaining six questions. Each Questions carries 14 Marks.  
(ii) Answer to each question must be written at one place only and in the same order as they occur in the question paper.  
(iii) Missing data, if any, may be suitably assumed.

- 1 (a) What is the significance of each word in "public static void main(String args[])".  
(b) Write about the Bitwise Operators in java.  
(c) Write about this keyword.  
(d) Discuss about Exception handling Fundamentals.  
(e) What is a Deadlock.  
(f) What is a file, directories.  
(g) Write short notes on Abstract Classes.
- 2 (a) Explain the buzzwords and the three OOP Principles of Java.  
(b) Can a Superclass Variable Refer a Subclass Object. Justify Your Answer
- 3 (a) Explain about Package & Import with a java program.  
(b) Explain about Chained Exceptions with a java program.
- 4 (a) Write a java program to create three threads.  
(b) Explain about Synchronization with program.
- 5 (a) Explain about TreeSet Class with a program.  
(b) What is an Iterator and demonstrate it with a program
- 6 (a) Explain about String Tokenizer.  
(b) Explain about Serialization.
- 7 (a) Write java program to demonstrate the handling of mouse events.  
(b) Write a Swing application demonstrating JLabel and JScrollPane.

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