

**FACULTY OF ENGINEERING**

**B.E. (I.T.) IV-Semester (AICTE) (New) (Main & Backlog) Examinations,  
September / October 2023**

**Subject: Java Programming**

**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) Explain the significance of each word in public static void main (String args[]).  
(b) What is the use of final keyword?  
(c) What are the two ways for creating a thread?  
(d) List different JDBC drivers.  
(e) What is the use of String Tokenizer?  
(f) What is an exception, List keywords used in handling an exception?  
(g) What is an event? What are the sources of events?
2. (a) Explain the benefits of object oriented programming.  
(b) Classify and explain various data types in java.
3. (a) Explain about method overriding with an example.  
(b) Define interface? Explain the difference between abstract classes and interfaces?
4. (a) Explain how to use try and catch with an example.  
(b) Explain about Packages with an example.
5. (a) Discuss in detail about ArrayList Class.  
(b) Discuss in detail about TreeSet Class
6. (a) Differentiate between Swing and AWT Components.  
(b) Explain the life cycle of an applet?
7. (a) Explain JLabel and write a Program to implement it.  
(b) Discuss briefly about super keyword.

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