II B. Tech II Semester Supplementary Examinations, April - 2021
JAVA PROGRAMMING
(Com to CSE, IT)

Time: 3 hours   Max. Marks: 70

Note: 1. Question Paper consists of two parts (**Part-A** and **Part-B)**
         2. Answer **ALL** the question in **Part-A**
         3. Answer any **FOUR** Questions from **Part-B**
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PART –A

1. a) List the various ways of 'static' keyword usage. (2M)

   b) Write about garbage collection. (2M)

   c) List the thread states and give state transition diagram. (3M)

   d) Explain about the super keyword with examples. (3M)

   e) What are the advantages of event driven programming? (2M)

   f) List out the differences between AWT and Swings. (2M)

PART -B

2. a) Write a Java program to interchange the rows and columns of a given matrix. (7M)

   b) What are the drawbacks of procedural languages? Explain the need of object oriented programming with suitable program. (7M)

3. a) Explain various access specifiers supported by Java with an example. (7M)

   b) Write a java program to illustrate "Constructor Overloading". (7M)

4. a) What are the various types of exceptions available in Java? Also discuss on how they are handled? (7M)

   b) What is the role of 'finally' keyword in exception handling? Explain with an example. (7M)

5. a) Write a Java program to compute addition and multiplication of given matrices using threads. (7M)

   b) What is multithreading? In how many ways Java implements multithreading? Explain one of these ways with suitable example. (7M)

6. a) Explain the different stages in the life cycle of an Applet. (7M)

   b) Write an applet program to enter personal details. (7M)

7. a) Write a note on split Pane. (6M)

   b) Design a screen in Java which accepts text in text box. If the left mouse is clicked, convert the text to uppercase and if the right button is clicked, convert it to lower case. (8M)

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