

M.Sc.-I (Computer Science) First Semester Old  
**1MSC2-Paper - II : Advanced Java**

P. Pages : 1

Time : Three Hours



**GUG/W/18/2875**

Max. Marks : 80

- Notes :
1. All questions are compulsory.
  2. All questions carry equal marks.
  3. Draw neat and clean diagram wherever necessary.

1. Either
  - a) Explain different object oriented programming concept supported by Java. 8
  - b) Describe complete life cycle of Thread. Also explain Thread priority. 8

**OR**

  - c) What do you mean by command line argument & Explain with example. 8
  - d) Explain in detail the concept of try-catch block. 8
2. Either
  - a) What is swing? Differentiate AWT & swing. 8
  - b) What is socket? Write a program for Datagram socket. 8

**OR**

  - c) Explain Networking. Also explain Java.Net package in detail. 8
  - d) Write a program to create JFrame and add any two component in it. 8
3. Either
  - a) What is JDBC? Explain different types of JDBC Drivers. 8
  - b) Write a program to demonstrate the use of ResultSetMetaData interface. 8

**OR**

  - c) Define collection framework. Explain the util package in detail. 8
  - d) Explain in brief Hash map class, Vector class with their methods. 8
4. Either
  - a) Explain session tracking using Http Servlet. 8
  - b) Write a program to design web Application by using cookies 8

**OR**

  - c) What is JSP? Write the advantages of JSP over servlets. 8
  - d) Write a program to create a web application that demonstrate the use of implicit object namely session & response. 8
5. Solve all questions.
  - a) What is find, finalize ( ) & finally? 4
  - b) Explain Applet life cycle method. 4
  - c) What is ResultSet? Write a note on Scrollable ResultSet. 4
  - d) Explain any two Implicit object. 4

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