

Roll No.....

Total No. of Questions : 13]

[Total No. of Pages : 02

Paper ID [A0322]

(Please fill this Paper ID in OMR Sheet)

B.Sc.IT (602/603) (S05) (N) (LE) (Sem. - 6th)

ADVANCED JAVA PROGRAMMING

Time : 03 Hours

Maximum Marks : 75

Instruction to Candidates:

- 1) Section - A is **Compulsory**.
- 2) Attempt any **Nine** questions from Section - B.

Section - A

Q1)

(15 × 2 = 30)

- a) Define Container?
- b) How do we create Labels using AWT in java?
- c) Name the different methods to create circles and ellipse.
- d) What are Adapter classes?
- e) What is the difference between MouseListener and MouseMotionListener?
- f) What is the difference between InputStream and OutputStream?
- g) What are different ways to create a Thread?
- h) Define Port? Name some popular port numbers?
- i) Is UDP connection-oriented protocol? Comment on it?
- j) What is the difference between ServerSocket and Socket Class?
- k) What is JDBC/ODBC bridge?
- l) Name some of the methods in ResultSet interface?
- m) Define RMI and how it is useful?
- n) What is the job of Transport layer in RMI architecture?
- o) Write the syntax of doGet() and doPost() method?

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P.T.O.

Section - B

(9 × 5 = 45)

- Q2)** Define AWT? Explain java.awt package containers?
- Q3)** Explain the event delegation model in detail?
- Q4)** Create an applet which demonstrates the handling of all keyboard events?
- Q5)** Write a program in java that gets the contents from user and writes them into a file?
- Q6)** Explain Thread synchronization in java?
- Q7)** What are the different ways to create a thread in java?
- Q8)** Create a Client Server Application using Sockets in Java?
- Q9)** Explain the classes and interfaces available in java.sql package to support JDBC?
- Q10)** What are JDBC drivers? Explain different types of JDBC drivers?
- Q11)** Explain the RMI architecture?
- Q12)** List some of the Server side technologies?
- Q13)** Design a Servlet to create and use cookies?

