

Roll No.

Total No. of Questions : 13]

[Total No. of Pages : 02

Paper ID [A0418]

(Please fill this Paper ID in OMR Sheet)

M.Sc. (IT - 404) (S05) (N) (Sem. - 4th)

ADVANCED JAVA DEVELOPMENT

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) What is java AWT Package?
- b) Why component class is used?
- c) Write any one class which is subclass of component class?
- d) Why event handling is used?
- e) What is event delegation?
- f) What is File class in I/O handling?
- g) Define Applet?
- h) Write a short note on Multithreading?
- i) What is port?
- j) Why sockets are used?
- k) JDBC is used for what application?
- l) Compare RMI and socket programming?
- m) What is Java Servlets?
- n) Write a short note on N tier architecture?
- o) What is SQL Exception class?

Section - B**(9 × 5 = 45)**

- Q2)** How Frame window can be created?
- Q3)** Explain different user interface components?
- Q4)** What is Text Area()?
- Q5)** Explain the function of ActionListener()?
- Q6)** Why WindowListener events are used?
- Q7)** Explain FileInputStream and FileOuputStream?
- Q8)** Illustrate different phases of Creation of Threads?
- Q9)** What is Thread Synchronization?
- Q10)** Write different steps to initialize the JDBC/ODBC driver?
- Q11)** Explain the RMI Architecture?
- Q12)** Write in detail the Servlet Life cycle?
- Q13)** What is Unicast Remote object?

