

Roll No.

Total No. of Questions : 13]

[Total No. of Pages : 02

Paper ID [A0414]

(Please fill this Paper ID in OMR Sheet)

M.Sc. IT (305) (New/S05)/204(Old) (Sem. - 3rd)

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

(15 × 2 = 30)

Q1)

- a) Explain polymorphism?
- b) Give a example of While loop?
- c) What is a Class? Explain it with suitable example?
- d) Why is Java Platform Independent?
- e) List features of Object oriented programming language i.e Java?
- f) What is Java standard Library?
- g) Explain initialization of Array?
- h) Define Interface in Java?
- i) What is Arithmetic operator precedence in Java?
- j) Write a note on Operators and separators?
- k) What is running and stopped state in Applet life cycle?
- l) How can you create an Executable applet?
- m) Explain exception?
- n) How will you create a circle?
- o) Write a note on multiple catch statement?

Section - B

(9 × 5 = 45)

- Q2)** Explain the importance of Java to internet?
- Q3)** Explain Inheritance and encapsulation?
- Q4)** Explain various Web Browsers? Why are they important?
- Q5)** Give an example to show the declaration of Variables? How will you assign values to these variables?
- Q6)** Explain “for” loop with example?
- Q7)** Write a program for sorting an Employee Array?
- Q8)** With help of suitable example explain how class can be added to a package?
- Q9)** How can interface variables be accessed?
- Q10)** Give an example to show the use of control loop in Applets?
- Q11)** How can parameters be passed to Applets?
- Q12)** What is Catch statement? How can exceptions help in debugging?
- Q13)** Design a web page for your Library?

