

Roll No. _____

Karnataka State Science & Commerce

Comm. Total No. of Pages : 2

BID A B - 585 40

PGIIS-N 1548 B-15
M.Sc. IIIrd Semester Degree Examination
Computer Science
(Programming in Java)
Paper - HCT - 3.1
(New)

Time : 3 Hours

Maximum Marks : 80

Instructions to Candidates.

- 1) Section A is compulsory
- 2) Answer any five questions from section B.

Section - A

Answer the following questions.

(10×2=20)

1.
 - a) Discuss any two types of input streams.
 - b) What is exception?
 - c) Illustrate the concept of "This".
 - d) Justify JAVA is strongly typed language.
 - e) What is finally block? When and how it is used?
 - f) What is inheritance? What are its types?
 - g) What is data encapsulation?
 - h) What are class and objects?
 - i) Differentiate between abstract classes and final classes.
 - j) What is meant by object serialization?

Section - B

2.
 - a) Define Socket create a server socket which is listening at port 4444. (6)
 - b) What are the applets life cycle methods? Explain them. (6)

3. a) What is package? Explain it with a suitable example and also write how to import packages. (6)
b) Explain file I/O streams in JAVA. (6)
4. a) Write a JAVA program to implement the thread life cycle. (6)
b) What is user defined exception? Explain with suitable example. (6)
5. a) Discuss overloading of methods in JAVA. (6)
b) Discuss the various components of RMI. (6)
6. a) Write a JAVA program to connect a database using JDBC to find total marks of each student. Consider the following table: (6)
STUDENT(ROLL NO. , Sub 1 - marks, sub 2-marks)
b) Write a RMI server program to add two numbers sent from client. (6)
7. a) Discuss in detail the event handling mechanisms in JAVA. (6)
b) Explain different exception handling techniques in JAVA. (6)
8. Write notes on any two of the following. (2×6=12)
 - a) Access protection.
 - b) Buttons
 - c) Wrapper classes
 - d) Event listener.