

M.Sc. (Part—I) Semester—II Examination

(CBCS Scheme)

COMPUTER SOFTWARE

Paper—VI

(Core Java)

Time—Three Hours]

[Maximum Marks—80

Note :— (1) ALL questions are compulsory.

(2) All questions carry equal marks.

1. (a) What is class ? Explain with example. 8
- (b) Explain applet with example. 4
- (c) Explain various operations in Java. 4

OR

2. (a) Explain variables and arrays used in Java. 8
- (b) Explain string class with example. 4
- (c) Describe garbage collection. 4
3. (a) Explain abstract class and object class with example. 8
- (b) Explain :
 - (i) Multilevel hierarchy
 - (ii) Method overriding. 8

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(Contd.)

4. (a) What is an interface ? Explain with suitable example. 8

(b) How packages are imported in Java ? 8

5. (a) Explain thread synchronization with example. 8

(b) Explain :

(i) Multithreading

(ii) Catch blocks. 8

OR

6. (a) What is priority of a thread ? Explain methods used for priority of a thread. 8

(b) Explain built in exception in detail. 8

7. (a) What is parameter passing and how is it achieved ? 4

(b) Explain applet display method. 4

(c) Write a program in Java to copy contents of one text file to another. 8

OR

8. (a) Explain :

(i) Transient and volatile modifier

(ii) Parameter passing. 8

(b) What is applet ? How is it used in java program ? Explain with example. 8

9. (a) Explain layout manager and how it is used ? 8

(b) Explain :

(i) Event listener interface

(ii) Adapter classes. 8

OR

10. (a) Explain menu bar and menus in java with example. 8

(b) Explain the following AWT controls :

(i) Labels

(ii) Text field. 8