

SATHYABAMA UNIVERSITY

(Established under section 3 of UGC Act, 1956)

Course & Branch: B.Tech - IT

Title of the paper: Programming in Java

Semester: V

Sub.Code: 12504(2004-2005)

Date: 20-04-2009

Max.Marks: 80

Time: 3 Hours

Session: AN

PART – A

(10 x 2 = 20)

Answer All the Questions

1. What is narrowing conversion?
2. What is the difference between length() and capacity() methods?
3. Define 'this' keyword.
4. What is the java's access specifiers?
5. List out any four character stream I/O classes and their meanings.
6. Write the syntax and usage of 'instance of' operator in JAVA.
7. What is component event class?
8. What are Anonymous inner classes?
9. How are the arithmetic exceptions handled in JAVA?
10. What is assert? Write its syntax forms.

PART – B

(5 x 12 = 60)

Answer All the Questions

11. Write a JAVA program to perform the following string manipulations.
 - (a) To replace a particular string by another string in a given string buffer.
 - (b) To extract a substring from the given string buffer object.

(or)

12. (a) What are the buzz words of JAVA? Explain it in detail. (8)
(b) Explain with an example how the break and continue statements are executed in JAVA. (4)
13. (a) What is a package? Explain with an example. (8)
(b) List out any four thread methods and their meanings (4)
- (or)
14. (a) What is an interface? How is it implemented in JAVA? (8)
(b) When are the constructors called? Explain with an example. (4)
15. Write a JAVA program to create a simple Banner Applet.
(or)
16. (a) What are the attributes of HTML Applet tag? Explain it in detail. (8)
(b) With an example explain how the parameters are passed to Applets. (4)
17. What are the main Event classes involved in java.awt.event?
(or)
18. Write a JAVA program to add a series of nested menus to a popup window. The item selected should be displayed in the windows.
19. (a) How to create our own exception subclasses in JAVA? Explain it in detail. (8)
(b) What is chained exceptions? (4)
- (or)
20. (a) What are the methods defined by File output stream?
(b) With an example explain how a program creates and throws an exception?

