



C-1901

Third Year B. C. A. (Sem. V) Examination  
October / November – 2008  
(501) Java Programming

Time : Hours]

[Total Marks :

Instructions :

(1)

नीचे सावधानी से विवरण भरने पर अवश्य ध्यान दें।  
Fillup strictly the details of signs on your answer book.

Name of the Examination :  
THIRD YEAR B. C. A. (SEM. 5)

Name of the Subject :  
(501) JAVA PROGRAMMING

Subject Code No. : 1 9 0 1 Section No. (1,2,....) : Nil

Seat No. : [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

Student's Signature

- (2) Q. 1 is compulsory.
- (3) Figures to the right indicate full marks.

1 Answer in short :

10

- (1) Can you run a java program without having a main method ? Justify it.
- (2) What is the use of this keyword ?
- (3) Give two uses of super.
- (4) Give the difference between break and labeled break.
- (5) What kind of exception is thrown by the sleep () method ?
- (6) What is the use of final keyword ?
- (7) What is the use of get chars () method ?
- (8) How does an applet application differ from a console application ?
- (9) List the inheritance which is not supported by java.
- (10) Define thread. Give methods of thread class.

2

- (a) Give the various levels of access protection available in java.
- (b) Give different ways of creating string object.
- (c) How will you achieve runtime polymorphism in java by giving example.

15

OR

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1

[Contd..

- 2 (a) Explain constructor overloading with example. 15
  - (b) Discuss about architecture of java. What is unicode and bytecode? 3\*
  - (c) Give the difference between interface and class.
- 3 (a) Write a note on inter thread communication. 15
- (b) Discuss about try, catch and finally block with example.
- (c) Give the life cycle of an applet.

OR

- 3 (a) Give the difference between multiprocessing and multithreading. 15
- (b) Discuss difference between overriding and overloading.
- (c) Explain multi level inheritance with example.

4 Attempt any three : 18

- 1/3 (a) What is package? How do you create it? How do you import it in another package?
- (b) Explain following methods : Sleep( ), is Alive, notifyall( ), yield( ).
- 3 h2u (c) Discuss about thread group. When does the thread enter into wait state.
- (d) Create an applet which displays triangle in circle. Set the background colour of an applet by passing parameter.

- 5 (a) Write a program to throw a user defined exception when a user enters floating point number. 6
- (b) Define an interface, explain with example. 4
- (c) Define transient variable. 2

OR

- 300 50 82 40 170 5 (a) Write a program to accept a string and arrange the string in descending order of characters. 6
- e.g.ip : computer
- o/p : utrpomec
- (b) Explain call-by-value and call-by-reference with example. 4
- (c) What do you mean by monitor? 2