

MCA-16
December - Examination 2015
MCA IInd Year Examination
Programming in JAVA
Paper - MCA-16

Time : 3 Hours]

[Max. Marks :- 80

Note: The question paper is divided into three sections A, B and C.

Section - A

8 x 2 = 16

(Very Short Answer Questions)

Note: Answer all questions. Limit to 30 words.

- 1) (i) Write a command to run and compile java program.
- (ii) What is 'this' keyword?
- (iii) What is constructor?
- (iv) What is exception handling?
- (v) What kind of thread is the garbage collector thread.
- (vi) What are wrapper classes?
- (vii) What is an applet?
- (viii) When servlet object is created?

Section - B

4 x 8 = 32

(Short Answer Questions)

Note: Answer any four questions. Limit is 200 words.

- 2) What is difference between arraylist and vector.
- 3) What is life cycle and life cycle method of a servlet?
- 4) Explain difference between final, finally and finalize keyword.
- 5) What is method overloading? Explain difference between overloading and overriding.
- 6) What is JSP and JSP implicit object?
- 7) Explain inheritance with example.
- 8) Write a java program to print.

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     * A *
    * A * A *
   * A * A * A *
  
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- 9) What is static method and static variable.

Section - C

2 x 16 = 32

(Long Answer Questions)

Note: Answer any two questions. Limit is 500 words.

- 10) What is OOPS. Explain basic features of java with example.
- 11) What is constructor. Explain overloading of constructor with example.
- 12) What is difference between static (class) method and instance method also write an example.
- 13) Write an example using interface. Explain all similarities and difference between interfaces and classes.