



K17U 1664

Reg. No. :

Name :

V Semester B.Sc. Degree (CBCSS – Reg./Sup./Imp.)
Examination, November 2017
(2014 Admn. Onwards)
Core Course in Computer Science
5B10CSC : JAVA PROGRAMMING

Time : 3 Hours

Max. Marks : 40

SECTION – A

1. One word answer : (0.5×8=4)
- a) Which variables are created when an object is created with the use of the keyword 'new' and destroyed when the object is destroyed ?
 - b) Division operator has _____ precedence over multiplication operator.
 - c) What feature of OOP has a super-class sub-class concept ?
 - d) What is the full form of JVM ?
 - e) What is the base class of all classes ?
 - f) _____ method doesn't return anything hence declared void.
 - g) Which package is imported by default ?
 - h) _____ is a process of writing the state of an object to a byte stream.

SECTION – B

Write short notes on **any seven** of the following questions : (7×2=14)

- 2. What are token in Java ?
- 3. What is a static variable ?
- 4. What is data encapsulation and what's its significance ?

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5. What are the two environment variables that must be set in order to run any Java programs ?
6. What is a singleton class ? Give a practical example of its usage.
7. List differences between continue and break statement.
8. What is a package ?
9. List differences between an Inner Class and a Sub-Class.
10. What are the two ways of implementing multi-threading in Java ?
11. What is meant by reflection ?

SECTION – C

Answer **any four** of the following questions :

(4×3=12)

12. Write a simple java program using packages.
13. What are Loops in Java ? What are three types of loops ?
14. Briefly explain the core OOP's concepts.
15. Explain about operators in Java.
16. What are different types of inner classes ?
17. Write a short note on dynamic proxy.

SECTION – D

Answer **any two** of the following questions :

(2×5=10)

18. Explain about arrays.
 19. Explain about interfaces.
 20. Explain Applet skeleton.
 21. Explain Java AWT.
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