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 ?

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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