BCA-16

B.C.A. Examination, June-2015

Programming in JAVA

BCA-16

Time : Three Hours] *[Max. Marks : 100*

Note: The question paper is divided into three sections A, B and C. Write answers as per given instructions.

Section-A

(Very Short Answer Questions)

Note: Answer all questions. As per the nature of the question delimit your answer in one word, one sentence or maximum upto 30 words. Each question carries 2 marks.

2×10=20

1. (i) What is the return type of the main () method?
Why is the main () method declared static?

(ii) What do you mean by platform independence?

(iii) Which object oriented Concept is achieved by using overloading and overriding?

(iv) What is the difference between a JDK and a JVM?

(v) What are instance variables?

(vi) Define class and object.

(vii) Explain finalize() method.

(viii) What are the literals?

(ix) What is the difference between 'Exception' and 'error' in Java?

(x) Explain difference between constructor and method.

Section-B

(Short Answer Questions)

Note: Answer any four questions. Each answer should not exceed 200 words. Each question carries 10 marks.

10×4=40

2. What is a copy constructor? Explain with the example.

3. What is object oriented programming? Explain its advantage.

4. How Swings are different from Applets? Explain with an example.

5. What is method overloading? What are the important points about overloading methods?

6. Define packages in Java. What are the benefits of using package? Explain with suitable example.

(2)

7. What is applet? Describe the complete life cycle of an applet.

8. What is byte code? Explain it with an example.

9. What is exception handling? What are the various types of exception?

Section-C

(Long Answer Questions)

Note: Answer any two questions. You have to delimit your each answer maximum upto 500 words. Each question carries 20 marks.

20×2=40

10. What is a finally block? When and how is it used? Give a suitable example. Demonstrate the usage of multiple catch blocks.

11. What do you understand by inheritances? Explain all type of inheritances used in JAVA.

12. What is a constructor? How does the Java default constructor be provided? Explain parameterized constructor with example.

13. What is an interface? Describe the purpose and application of interface. Give an example for defining and implementing interface.

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(3)