

BCA-16

December - Examination 2019

BCA Pt. III Examination**Programming in JAVA****Paper - BCA-16****Time : 3 Hours]****[Max. Marks :- 70**

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

Section - A**7 × 2 = 14****(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.

1.
 - i. Explain JDK (Java Development Kit).
 - ii. Why java is known as platform independent language?
 - iii. Define static methods in java.
 - iv. Write short note on this keyword.
 - v. What is garbage collection, explain?
 - vi. Why java is known as robust language, Explain?
 - vii. What is thread in java?

Section - B**4 × 7 = 28****(Short Answer Questions)**

Note: Answer **any four** questions. Each answer should not exceed 200 words. Each question carries 7 marks.

2. What do you mean by constructor? Explain different types of constructor used in java.
3. Explain various data types available in java with their memory requirements?
4. What is an applet? Explain the difference between local and remote applet.
5. Explain the difference between overloading and overriding.
6. What is inheritance? How it can be implemented in java?
7. What is a package? How a package can be created? Write down steps.
8. What is an array? How array are defined in java? Explain with example.
9. Define exception in java? Explain exception hierarchy in java with example?

Section - C**2 × 14 = 28****(Long Answer Questions)**

Note: Answer **any two** questions. You have to delimit your each answer maximum upto 500 words. Each question carries 14 marks.

10. What do you mean by multithreading. Explain and give life cycle of a thread?
 11. What is exception handling? How exception are handled in java? Explain briefly with example.
 12. How can implement multiple inheritance in java. Give a program to implement it in java.
 13. What do you mean by object oriented programing? Compare it with procedural programing. Explain all the basic features of java?
- _____