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**Question Paper Code: 44203**

B.E. / B.Tech. DEGREE EXAMINATION, AUGUST 2021

Fourth Semester

Computer Science and Engineering

14UCS403 - JAVA PROGRAMMING

(Common to Information Technology)

(Regulation 2014)

Duration: 1:45 hour

Maximum: 50 Marks

PART A - (10 x 2 = 20 Marks)

**(Answer any ten of the following questions)**

1. What are the access specifiers available in java?
2. Differentiate between break and continue statement.
3. What are proxies? How are they advantageous?
4. How an interface is differing from class?
5. What is use of finally block in exception handling?
6. What is the use of FINALLY keyword in Java?
7. What is container class?
8. What are events?
9. Define marshaling and un-marshaling.
10. What is the job of filter and pipe streams in java?
11. Define multithreaded programming.

12. What is AWT? List its controls.
13. What are events?
14. What is a stream and which class allows you to read objects directly from a stream?
15. What are the basic steps to create a JDBC application?

PART – B (3 x 10= 30 Marks)

**(Answer any three of the following questions)**

16. State the use of constructor and finalize( ) method in java using a programming example. Show how garbage collection is achieved here. (10)
17. What is dynamic binding? Show with an example how dynamic binding works. (10)
18. Explain thread synchronization with examples. (10)
19. Write a program to create a frame with the following menus, such that the corresponding geometric object is created when a menu is clicked.
  - (i) Circle
  - (ii) Rectangle (10)
20. Describe about the different input and output streams and their classes. (10)