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**Question Paper Code: 34203**

B.E. / B.Tech. DEGREE EXAMINATION, NOV 2019

Fourth Semester

Computer Science and Engineering

01UCS403 – JAVA PROGRAMMING

(Common to Information Technology)

(Regulation 2013)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 2 = 20 Marks)

1. State any two salient features of Java.
2. What are the uses of SUPER keyword?
3. List out the built-in packages available in Java.
4. How an interface is differing from class?
5. What is use of finally block in exception handling?
6. Write the two kinds of exception?
7. What is container class?
8. What are events?
9. Define marshaling and un-marshaling.
10. What is JDBC?

PART - B (5 x 16 = 80 Marks)

11. (a) Write a java program to find factorial of a given number using default and parameterized constructors. (16)

Or

(b) (i) Discuss about the usage of constructors with an example. (8)

(ii) Explain any four string operations in java with suitable examples. (8)

12. (a) Write a Java program that implements multiple inheritance using interface. (16)

Or

(b) What did you mean by polymorphism? Explain how run-time polymorphism is achieved in java with example. (16)

13. (a) Write a java program to implement producer-consumer problem using thread synchronization. (16)

Or

(b) Explain various exception handling mechanisms available in Java with neat example. (16)

14. (a) Explain in detail about AWT event hierarchy model. (16)

Or

(b) Write java program to illustrate mouse event handling. (16)

15. (a) What is object serialization? Explain with example. (16)

Or

(b) List out the steps to be followed to connect java with database. Explain that with an example. (16)

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