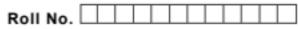


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Total No. of Questions : 18

Total No. of Pages : 02

B.Tech. (ECE) (Sem.-5) JAVA PROGRAMMING Subject Code : UC-BTEC-901F-18 M.Code : 78761

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

- SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
- SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
- SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

Write briefly :

- 1. What do you understand from 'public static void main (String [] args)'?
- 2. Differentiate between JVM, JRE and JDK.
- 3. What are access modifiers? List various types of access modifiers in Java.
- 4. What are wrapper classes in Java?
- 5. Why is Java considered portable language?
- 6. What is the difference between 'StringBuffer' and 'StringBuilder'?
- 7. How to determine factorial of an integer using Java?
- 8. What is Object Oriented Programming approach?
- 9. What is lambda expression in Java? Give an example.
- 10. What are encapsulation and polymorphism in Java?



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SECTION-B

- 11. What are the advantages and disadvantages of Java over C++?
- 12. Write a Java program to check if the given number is prime number or not?
- 13. What is inheritance in Java? Write a program to showcase inheritance.
- 14. What are different ways of creating objects in Java? Give examples.
- 15. Write a Java program to swap two numbers without using a third variable?

SECTION-C

- 16. a) What are data types in Java and their required memory sizes to store values?
 - b) List various operators in Java and give their precedence order.
- 17. a) What is function overloading in Java?
 - b) Why does Java not support (i) multiple inheritances and (ii) pointers?
- 18. a) What is applet in Java? Discuss it life cycle,

in di Anther the standing of t b) What are different steps involved in database connectivity?

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.



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