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**Question Paper Code: 59272**

B.E. / B.Tech. DEGREE EXAMINATION, DEC 2020

Open elective

Civil Engineering

15UCS972 - PROGRAMMING WITH JAVA

(Common to ECE, EEE, EIE, Mechanical, IT, Chemical)

(Regulation 2015)

Duration: One hour

Maximum: 30 Marks

PART A - (6 x 1 = 6 Marks)

(Answer any six of the following questions)

1. Java intermediate code is known as CO1- R  
(a) First code      (b) Mid code      (c) Byte code      (d) None of above
2. What is the numerical range of a char data type in Java? CO1- R  
(a) -128 to 127      (b) 0 to 256      (c) 0 to 32767      (d) 0 to 65535
3. Which of the following is a valid declaration of an object of class Box? CO2- R  
(a) Box obj = new Box();      (b) Box obj = new Box;  
(c) obj = new Box();      (d) new Box obj;
4. Which of these operators is used to allocate memory for an object? CO2- R  
(a) malloc      (b) alloc      (c) new      (d) give
5. When does Exceptions in Java arises in code sequence? CO3- R  
(a) Run Time      (b) Compilation Time  
(c) Can Occur Any Time      (d) None of the mentioned
6. Which of these keywords is not a part of exception handling? CO3- R  
(a) try      (b) finally      (c) thrown      (d) catch

7. Give the abbreviation of AWT? CO4- R  
(a) Applet Windowing Toolkit (b) Abstract Windowing Toolkit  
(c) Absolute Windowing Toolkit (d) None of the above
8. Which of these methods are used to register a keyboard event listener? CO4- R  
(a) KeyListener() (b) addKistener()  
(c) addKeyListener() (d) eventKeyListener()
9. Which of these class is superclass of String and StringBuffer class? CO5- R  
(a) java.util (b) java.lang (c) ArrayList (d) None of the mentioned
10. Which of these class is superclass of every class in Java? CO5- R  
(a) String class (b) Object class (c) Abstract class (d) ArrayList class

PART – B (3 x 8= 24 Marks)

(Answer any three of the following questions)

11. Write a java program to find minimum and maximum value from an array? CO1- App (8)
12. Create a java program to calculate area of rectangle, triangle and square using method overloading. CO2- Ana (8)
13. Explain in details about exception handling mechanisms with an example. CO3- U (8)
14. Create a student registration form using swing components. CO4- App (8)
15. Write a java program to read any 10 student names and sorting the names in ascending order to implement bubble sort? CO5- U (8)