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Reg. No. :

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Question Paper Code: 59272

B.E. / B.Tech. DEGREE EXAMINATION, MAY 2018

Open elective

Civil Engineering

15UCS972 - PROGRAMMING WITH JAVA

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

(Regulation 2015)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (5x 1 = 5 Marks)

1. Which command is used to compile a Java Program? CO1- R
(a) java (b) javadoc (c) javac (d) javad
2. Which of this keyword must be used to inherit a class? CO2- R
(a) Super (b) this (c) extent (d) extends
3. Which keyword is used to monitor statement for exception? CO3- R
(a) try (b) catch (c) throw (d) throws
4. When does Exceptions in Java arises in code sequence? CO4- R
(a) compilation Time (b) compilation Time
(c) can Occur Any Time (d) none of the mentioned
5. Which of these methods of class String is used to obtain length of String object? CO5- R
(a) get() (b) Sizeof() (c) lengthof() (d) double

PART – B (5 x 3= 15 Marks)

6. How to declare variable. Give example CO1-U
7. Compare static constants and final constants. CO2- R

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| 8. | Explain the methods available under String and String Buffer Class. | CO3- R |
| 9. | List out some advantages of swing components? | CO4- R |
| 10. | Explain the scanner class in Java. | CO5- U |

PART – C (5 x 16= 80Marks)

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| 11. | (a) Explain in detail about the Program Control Statements. | CO1- U | (16) |
| | Or | | |
| | (b) Program to make for addition, subtraction, multiplication and division using switch case in Java. | CO1- Ana | (16) |
| 12. | (a) Develop a program for different types of constructor. | CO2- Ana | (16) |
| | Or | | |
| | (b) What is Package? Give a detailed description for creation of packages in Java with an example. | CO2- Ana | (16) |
| 13. | (a) Develop a multithreaded Java Program to generate even and odd numbers. | CO3- Ana | (16) |
| | Or | | |
| | (b) How to declare and initialize a string in java and also discuss the different string handling functions with suitable examples. | CO3- U | (16) |
| 14. | (a) Demonstrate JComboBox, JRadioButton, JCheckBox in Java Swing with example for each. | CO4- Ana | (16) |
| | Or | | |
| | (b) Demonstrate Java JButton class with an example of displaying an image on the button. | CO4- Ana | (16) |
| 15. | (a) Explain Date and Time methods in Java.util. Class with example. | CO5- U | (16) |
| | Or | | |
| | (b) Write a java program to remove leading and trailing space from string using trim method of Java String class. | CO5-U | (16) |