18U559S (Pages: 2) Name: ……………………..

Reg. No…………………….

FIFTH SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2020
(Supplementary/Improvement)
(CUCBCSS-UG)
CC15U BCS5 B09 - JAVA PROGRAMMING
(Computer Science – Core Course)
(2015, 2016 Admissions)

Time: Three Hours   Maximum: 80 Marks

PART I
Answer *all* questions. Each question carries 1 mark.

1. What is the output of the following program fragment?

   byte x=2;

   x = x * 5;

2. What will be generated after the successful compilation of source code?

3. Which method is used for passing a parameter to an applet?

4. Which event is generated when a button is pressed?

5. What is the size of a char data type?

6. Global variables are declared using the keyword ……………

7. Breaking a string or stream into meaningful independent words is known as Tokenization. Say True/False.

8. Which is the operator used for creation of an object.

9. OOPS allows us to decompose a problem into number of entities called ……………

10. …………… is the wrapper class for the primitive data type char.

(10 x 1 = 10 Marks)

PART II
Answer *all* questions. Each question carries 2 marks

11. List string manipulation functions of java String class.

12. Why java is platform independent?

13. What are the primary steps you need to take to enable a JDBC connection?

14. Explain finally clause.

15. What is the difference between Text Field and Text area controls?

(5 x 2 = 10 Marks)

PART III

Answer any *five* questions. Each question carries 4 marks

16. Compare and contrast overloading and overriding methods with an example.

17. Write a program to create 2 threads, one thread will print odd numbers and second thread will print even numbers between 1 to 20 numbers.

18. Write short note on Result Set Interface.

19. What is mean by nested if? Explain with an example.

20. Explain delegation event model.

21. Discuss various access specifiers supported by java.

22. Describe applet life cycle with the help of a diagram.

23. Write a program to find the sum of 2 numbers as command line arguments.

(5 x 4 = 20 Marks)

PART IV

Answer any *five* questions. Each question carries 8 marks.

24. What is mean by inheritance? Explain the various types of inheritance with the help of examples and diagrams.

25. Write a program illustrating user defined exception handling.

26. Explain the different operators used in java.

27. Explain different stream classes in java.

28. Write a note on thread synchronization.

29. What is JDBC? What are the different components of JDBC?

30. What is the significance of layout managers? Discuss briefly various layout managers.

31. Explain objects and classes in java.

(5 x 8 = 40 Marks)

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