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Roll No. :

322553(22)

B. E. (Fifth Semester) Examination, Nov.-Dec. 2021

(New Scheme)

(CSE Branch)

PROGRAMMING in JAVA

Time Allowed : Three hours

Maximum Marks : 80

Minimum Pass Marks : 28

Note : Part (a) of each unit is compulsory. Attempt any two parts from (b), (c) and (d). Question (a) carry 2 mark, and (b), (c) and (d) carries 7 marks.

Unit-I

1. (a) What is difference between array list and vector? 2

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- (b) Write a program for inputting a string through keyboard and count the occurrence of character in the given string. 7
- (c) What do you mean by control flow? Write a Java program to demonstrate the use of control flow used in Java. 7
- (d) Differentiate between method overloading and method overriding with example. 7

Unit-II

2. (a) Define significance the throw, throws and final keyword. 2
- (b) Create the user defined exception class which throws exception when the user input marks greater than 100. 7
- (c) What is Interface? Differentiate interface and class. 7
- (d) Explain inheritance and the implementation of interface. 7

Unit-III

3. (a) What is Thread? 2

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- (b) Explain thread life cycle in detail. 7
- (c) Explain Bus stream and Character stream with suitable example. 7
- (d) Differentiate between string and string builder. Briefly explain string class methods. 7

Unit-IV

4. (a) Define Event. 2
- (b) Explain the life cycle of Applet with suitable example. 7
- (c) Explain the delegation Event model in detail with suitable java program. 7
- (d) Explain the JDBC connectivity with suitable example. 7

Unit-V

5. (a) What is AWT? 2
- (b) Explain Remote method invocation with a suitable example. 7
- (c) Write a program to handle a mouse event by Extending AWT components. 7

(d) Explain the swing components and why these are considered as light weighted? 7