Roll No. :

333555(33)

B. E. (Fifth Semester) Examination, April-May/Nov.-Dec. 2020

(New Scheme)

(IT Branch)

PROGRAMMING in JAVA

Time Allowed: Three hours

Maximum Marks: 80

Minimum Pass Marks: 28

Note: Attempt all questions. Part (a) is compulsory.

Attempt any two parts out of remaining part

(b), (c) & (d).

Unit-I

- 1. (a) Why Java is not known as 100% OOPS language? 2
 - (b) Explain various features of JAVA.
 - (c) Compare C, C++ and JAVA.

7

(d) How Garbage collection works in Java? What will	
be the output of following program?	7
Public class A	
{	
<pre>public static void main (String args []) {</pre>	
Aa1 = new A();	
Aa2 = new A();	
al = null;	
system.gc();	
a2 = null;	
system·gc();	
protected void finalize () throw Exception	
Same Head of the same special states of the same states	
system out println ("Garbage collector called");	
system out println ("Object Garbage	
collected called:"+ this);	
Associative office office of the second	

Chit-II		
(a)	Write the use of 'this' and 'super' keyword in JAVA.	2

(b) Write a program to create a pacakge named MyPackage and illustrate the working of access specifiers in JAVA.

(c) What is Inheritance? Explain with the help of example that how we achieve multiple inheritance in JAVA?

(d) Write a program which performs the generation of fibonacci series using command line arguments in JAVA.

Input: 5 Part of all and all and all and another (a)

Outupt: (0 1 1 2 3) Statement and assistant (ii)

Unit-III

3. (a) What is the difference between = = and equals () method while compairing strings?

(b) Describe exception handling mechanism. Also explainthe difference between throw and throws.7

(c) Write a program to ceate a user defined exception. 7

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(d) Differentiate between string and string Buffer classe	s
c / in JAVA.	. 7
in the state of th	
4. (a) Name the exception generated when the thread is	
interrupted?	2
(b) Describe the thread life cycle with appropriate	
(7.7:1 ·	7
(c) Explain the concept of Monitors with corresponding to Producer-Consumer problem. (d) Which method is most suitable for creating a thread:	7
(i) Implementing Runnable Interface	
(ii) Extending thread class (2) 1 (ii) Applied	
Justify.	7
(c) what is the difference of wears == and equal (,5
5. (a) Differentiate between Applet and Application.	2
(6) How param attribute should be implemented in applet tag? Explain with example 200201116	_
	7
(c) Explain Applet Life Cycle: (Autopolique on W. (c))	7

(d) Write a program to display file containing stud_id, stud_name, stud_address by using JDBC connectivity.