

C.U.SHAH UNIVERSITY

Winter Examination-2019

Subject Name : Programming with Java

Subject Code : 4CS05IJV1

Branch: B.Sc.I.T.

Semester : 5

Date : 14/10/2019

Time : 02:30 To 05:30

Marks : 70

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
 - (2) Instructions written on main answer book are strictly to be obeyed.
 - (3) Draw neat diagrams and figures (if necessary) at right places.
 - (4) Assume suitable data if needed.
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Q.-1 Attempt following MCQs.

14

- 1) Full form of JVM is _____
 - a) Java Virtual Machine
 - b) Java Virtual Mechanisam
 - c) Java value Machine
 - d) None of thsese
- 2) Boolean data type has a value _____
 - a) true
 - b) false
 - c) A or B
 - d) None of these
- 3) Which is default access specifiers in java?
 - a) default
 - b) public
 - c) private
 - d) protected
- 4) Which class not allows to create object in java?
 - a) public
 - b) abstract
 - c) Object
 - d) None of the above.
- 5) Which type of variables values is not changed?
 - a) fixed
 - b) final
 - c) dynamic
 - d) none of these
- 6) _____ is used to derive a new class from old class.
 - a) Inheritance
 - b) Dynamic initialization
 - c) Package
 - d) Constructor
- 7) init() is a method of _____ class
 - a) final
 - b) Applet
 - c) Thread
 - d) Layout



Q.-5 Attempt following. 14

- a) Explain Graphics class with example. 5
- b) What is thread? Explain thread life cycle. 5
- c) What is exception? Write a note on Exception. 4

Q.-6 Attempt following. 14

- a) What is applet? Explain applet life cycle. 5
- b) What is inheritance? Explain types of inheritance. 5
- c) Explain interface with suitable example. 4

Q.-7 Attempt following. 14

- a) Write a note on Button control with ActionEvent . 5
- b) What is stream? Explain FileWriter class. 5
- c) Define Menu. Explain JMenu, JMenuBar and JMenuItem class with example. 4

Q.-8 Attempt following. 14

- a) Write a java program to input empno, name in emp class. Derive salary class from emp with basic_salary, DA, TA, PF, Gross_Salary. Input data and also print data by using following equations with single inheritance.

$$DA = \text{basic_salary} * 0.25$$

$$TA = \text{basic_salary} * 0.10$$

$$PF = \text{basic_salary} * 0.05$$

$$\text{Gross_salary} = \text{basic_Salary} + DA + TA - PF \quad 7$$

- b) Write a program to find minimum number using applet.
(Note : MIN is command button) 7

Enter no. 1	<input type="text"/>
Enter no. 2	<input type="text"/>
	<input type="button" value="MIN"/>
ANSWER	<input type="text"/>

