

C.U.SHAH UNIVERSITY

Summer Examination-2019

Subject Name : Programming with Java –I

Subject Code : 4CS03BJV1

Branch: B.C.A.

Semester : 3

Date : 13/03/2019

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 JRE is _____
 - a) Java Running Engine
 - b) Java Reverse Engine
 - c) Java Revised Engine
 - d) Java Runtime Environment
- 2) In java, boolean variable has value _____
 - a) true
 - b) false
 - c) A or B
 - d) None
- 3) Which is default package of java?
 - a) java.io
 - b) java.lang
 - c) java.net
 - d) java.awt
- 4) Which is a logical operator in java?
 - a) &&
 - b) ||
 - c) !
 - d) All of the above.
- 5) A Class can implement _____ interfaces.
 - a) Only one
 - b) one or more than one
 - c) maximum two
 - d) None of the above.
- 6) if a=20 and b=30 then statement, a++ + b++ returns _____
 - a) 52
 - b) 51
 - c) 50
 - d) 49
- 7) Random class is available in _____ package.
 - a) java.io
 - b) java.util
 - c) java.lang
 - d) java.net
- 8) Which of the following is arithmetic operator in java?
 - a) &&
 - b) OR
 - c) +
 - d) >=



- 9) _____ member can be accessed through out program at anywhere.
- a) private b) public
c) default d) protected
- 10) To compile applet _____ command is used.
- a) javac b) applet
c) appletviewer d) ShowApplet
- 11) Exception class is available in _____ class.
- a) java.io b) java.lang
c) java.Exception d) None
- 12) In java, thread can be created by _____
- a) extending thread class b) implementing runnable interface
c) both A and B d) None
- 13) Which of these Listener is used for RadioButton?
- a) ActionListener b) ItemListener
c) WindowListener d) None
- 14) Which of these method is used to draw string in applet?
- a) drawStream() b) drawLine()
c) drawString() d) String()

Attempt any FOUR.

Q.-2 Attempt following. 14

- a) Write a note on features of java. 7
b) Explain Class and methods with example. 7

Q.-3 Attempt following. 14

- a) Define constructor. Explain constructor with suitable example. 7
b) What is Exception? Explain try and catch block with suitable example. 7

Q.-4 Attempt following. 14

- a) Explain types of inheritance. Explain single inheritance with example. 7
b) Define interface. When it is used? Explain interface with suitable example. 7

Q.-5 Attempt following. 14

- a) Write a note on : Thread Life cycle. 7
b) Write a note on : Applet Life cycle. 7

Q.-6 Attempt following. 14

- a) Explain Button control with ActionEvent. 5



- b) Explain CheckBox control with its any two methods. 5
c) Describe Writer class with any two methods. 4

Q.-7 Attempt following. 14

- a) Explain different types of access specifiers for visibility in java. 5
b) Define array ? Explain jagged array. 5
c) Write an applet program to draw and fill Rectangle with black color. 4

Q.-8 Attempt following. 14

- a) Create super class emp(eno, name) and derive class salary(basic, da, ta, total).
Write a program to input eno, ename and basic and print data for above classes.
Da = basic * 0.15
Ta = basic * 0.1
Total = basic + da + ta 7
- b) Write a program to find entered no. is ODD or EVEN using applet.
(Note : ANSWER is command button) 7

Enter no.	<input type="text"/>
	<input type="button" value="ANSWER"/>
Ans.	<input type="text"/>

