$\qquad$

## C.U.SHAH UNIVERSITY

 Summer Examination-2018
## Subject Name : Programming with Java -I

Subject Code : 4CS03BJV1/4CS03IJV1
Branch: B.C.A./B.Sc.I.T.
Semester: 3
Date: 22/03/2018
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.

1) Full form of JRE is $\qquad$
a) Java Return Edition
b) Java Runtime Engine
c) Java Runtime Edition
d) Java Runtime Environment
2) Which is a data type in java?
a) int
b) boolean
c) float
d) All of the above
3) Which package is used to add/use component/control in java?
a) java.io
b) java.lang
c) java.net
d) java.awt
4) Which type of overloading is not available in java?
a) Class
b) inheritance
c) Object
d) All of the above.
5) $\quad$ The ! $=$ operator is $\qquad$ operator.
a) Arithmetic
b) Logical
c) Short hand
d) Relational.
6) To put multiple classes at one place, $\qquad$ is used.
a) Inheritance
b)
Dynamic initialization
c) Package
d) Constructor
7) Which event is used for check box in java?
a) CheckEvent
b) ItemEvent
c) MouseCheckEvent
d) WindowEvent
8) $\qquad$ variables used anywhere in the program

a) private
b) protected
c) public
d) None
9) Full form of AWT is $\qquad$
a) Abstract window toolkit.
b) Applet window toolkit
c) Abstract window task
d) Applet window task
10) To create matrix of same size vertically and horizontally, $\qquad$ array is used?
a) $\quad 1 \mathrm{D}$
b) 2 D
c) Both A and B
d) None of the above
11) Which is an access specifier in java?
a) public
b) private
c) protected
d) All of the above
12) Which of these is a logical operator?
a) $>$
b) <
c) \&\&
d) ==
13) Which of these Listener is used for Button?
a) ActionListener
b) ItemListener
c) WindowListener
d) None
14) Which of these methods is used to draw string line in applet?
a) drawStream( )
b) drawLine( )
c) drawString( )
d) String( )

## Attempt any FOUR from following.

## Q.-2 Attempt following. <br> 14

a) Explain History of java. 5
b) Explain for loop in java. 5
c) Explain any two logical operators with example. 4
Q.-3 Attempt following. 14
a) Write a note on OOP Concept. 5
b) Discuss Types of inheritance. 5
c) Explain switch case with example. 4
Q.-4 Attempt following. 14
a) How to initialize object? Explain constructor with example. 5
b) Explain 2D array with example. 5
c) Explain nested loop in java. 4

Q.-5 Attempt following. ..... 14
a) Explain methods of Vector class. ..... 5
b) Explain Applet life cycle. ..... 5
c) Write a comparative note on: ActionListener and ItemListener. ..... 4
Q.-6 Attempt following. ..... 14
a) Explain TextField and Button Control with its methods. ..... 5
b) Explain CheckBox with ItemEvent. ..... 5
c) Describe RadioButton with methods. ..... 4
Q.-7 Attempt following. ..... 14
a) Explain event delegation model. ..... 5
b) What is stream? Explain FileReader class. ..... 5
c) Write an applet program to draw and fill Circle with black color. ..... 4
Q.-8 Attempt following. ..... 14
a) Write a java program to find maximum from five nos. entered in array. ..... 7
b) Write a program to implement following using applet.(Note : MALE and FEMALE are Radio button, Any one Radio Button7 is selected, it's title displayed in Answer TextField.)



