

C.U.SHAH UNIVERSITY

Summer Examination-2017

Subject Name : Programming with Java –I

Subject Code : 4CS03BJV1

Branch: B.C.A.

Semester : 3

Date : 23/03/2017

Time : 10:30 To 01:30

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.

Q.-1 Attempt following MCQ.

14

- 1) Full form of JRE is _____
 - a) Java Runtime Editor
 - b) Java Ready Environment
 - c) Java Runtime Environment
 - d) Java Running Editor
- 2) Who developed java?
 - a) James Anderson
 - b) Dennis Ritchie
 - c) Bjarne Strostrup
 - d) James Gosling
- 3) What is the extension of Java source file?
 - a) .java
 - b) .class
 - c) .j
 - d) .c
- 4) Which of the following is not a java keyword?
 - a) Class
 - b) Applet
 - c) Inheritance
 - d) Abstract
- 5) Which package of Java is imported by default?
 - a) java.lang
 - b) java.util
 - c) java.io
 - d) All of these.
- 6) Java was first developed in _____.
 - a) 1972
 - b) 1982
 - c) 1991
 - d) 1992.
- 7) Which of the following is not used in Exception Handling?
 - a) try
 - b) handle
 - c) catch
 - d) finally
- 8) To compile a java program ____ keyword is used.
 - a) java
 - b) javac
 - c) compile
 - d) debug
- 9) Which access specifier provides lowest access?
 - a) public
 - b) private
 - c) protected
 - d) default
- 10) What is the size of int data type in java?
 - a) 16 bits
 - b) 16 bytes
 - c) 32 bits
 - d) 32 Bytes
- 11) Applet class is contained in which package?
 - a) java.applet
 - b) java.util
 - c) java.io
 - d) java.awt
- 12) If you have 2 methods with same name but different type signature in a class, then it is known as _____
 - a) Method Overloading
 - b) Method Overriding
 - c) Constructor Overloading
 - d) Constructor Overriding
- 13) What is correct syntax of main method in java?
- 14) Which keyword is used to implement an interface in java?



Attempt any four from Q-2 to Q-8.

- Q.-2 Attempt following. 14**
- a) Explain data types of java. 7
 - b) Explain OOP features. 7
- Q.-3 Attempt following. 14**
- a) What is constructor? Explain constructor with example. 7
 - b) What is inheritance? Explain types of inheritance. 7
- Q.-4 Attempt following. 14**
- a) Explain Interface with example. 7
 - b) Explain Method Overriding with a suitable example. 7
- Q.-5 Attempt following. 14**
- a) Explain Thread Life Cycle in detail. 7
 - b) Explain StringBuffer class, its important methods and constructors with example. 7
- Q.-6 Attempt following. 14**
- a) What is applet? Explain applet life cycle. 7
 - b) Explain Wrapper classes in Java. 7
- Q.-7 Attempt following. 14**
- a) What is stream? Explain FileReader class with an example. 7
 - b) Explain Exception Handling Mechanism with example. 7
- Q.-8 Attempt following. 14**
- a) Write a program to find maximum of 5 numbers entered as command line arguments. 7
 - b) Write a java applet code for a student registration form including student name, enrollment number, contact details, and birth date. 7

