

M.C.A. (Management)
JAVA PROGRAMMING
IT - 11 : Faculty of Commerce and Management
(2020 Pattern) (Semester - I)

Time : 2½ Hours]

[Max. Marks : 50

Instructions to the candidates:

- 1) All questions are compulsory.*
- 2) Figure to the right indicate full marks.*

Q1) Each multiple choice question carries half marks. All questions are Compulsory. **[10]**

- a) Platform independent code file created from source file is understandable by _____
- i) JRE
 - ii) JVM
 - iii) Applet
 - iv) Compiler
- b) Which of the tool is used to compile Java Code.
- i) Jar
 - ii) Javac
 - iii) Javadoc
 - iv) Java
- c) Byte variables are declared by used of the _____ keyword, (Using Prinitive Data type)
- i) Bytes
 - ii) byte
 - iii) Byte
 - iv) bytes
- d) An _____ statement can be used to access the classes and interface of a different package from the current package.
- i) instance of
 - ii) import
 - iii) extends
 - iv) implements
- e) Which of this access specifiers can be used for a class so that its members can be accessed by a different class in the same package?
- i) Public
 - ii) Protected
 - iii) No modifier
 - iv) All of the mentioned
- f) Which of the following is false statement about package in Java?
- i) Packages are used for preventing naming conflicts
 - ii) Providing controlled access protected and default have package level access control
 - iii) Packages cannot be considered as data encapsulation
 - iv) Both (ii) and (iii)

- g) Which of these keywords must be used to monitor for exceptions?
 i) finally ii) throw
 iii) catch iv) try
- h) When do Exception in Java arise in code sequence
 i) Run Time ii) Can Occur Any Time
 iii) Compilation Time iv) None of the mentioned
- i) When an exception in a try block is generated, the Java treats the multiple statements like cases in switch statement
 i) throw ii) catch
 iii) finally iv) try
- j) The _____ statemat can be used to handle an exception that is not caught by any of the previous catch statements.
 i) throw ii) catch
 iii) finally iv) try
- k) Exception classes are available in the _____ package
 i) Java. lang ii) Java. awt
 iii) Jave. io iv) Java. applet
- l) When a _____ block is defined, this is guaraute to execute, regardless of whether or not an exception is thrown
 i) thrown ii) catch
 iii) finally iv) try
- m) We can calculate the length of an array using _____
 i) size of (array) ii) array. len
 iii) array. lenyth iv) array. size of ()
- n) Which of the following is used to declare construct and initialize an array?
 i) int arr[][] = {1, 2, 3, 4} ii) int [] arr = (1, 2, 3)
 iii) int [] arr = { } iv) int arr [] = {1, 2, 3}
- o) Consider the following code.
 String S = new string () will create an instance of string with
 i) at least one character ii) a default character
 iii) no characters in it iv) no.of characters in it

- p) _____ method simply return a string that appropriately describes an object of your class
- get chars ()
 - toString ()
 - to Char Array ()
 - get string ()
- q) What is the listener used to handle the events or a text field?
- java. awt. ActionListener interface
 - java. awt. event. Action Listener
 - awt. event. Action Listener interface
 - java. awt. event. Action Listener Interface
- r) Getlabel () method used to retrieve the label of a button
- Yes
 - No
 - Can be yes or no
 - Can not say
- s) The Java. Sal and javax. sal are the primary packages for JDBC 4.0
- Yes
 - No
 - Can be yes or no
 - Can not say
- t) _____ are small programs that are downloaded into a Java Enabled Web Browser.
- Applets
 - Servlets
 - HTML
 - Java Script

Q2) a) Write a java program to design the following GUI.

[6]

Personal Information

First Name :

Last Name :

Address :

Mobile No :

Gender : ☐ male ☐ female

Your Interst ☐ computer ☐ Sporte Music

[4]

b) Explain wrapper classes in java

OR

a) Different types of layout managers with examples.

[6]

b) Explain Action Listener class

[4]

- Q3) a) Write a JDBC application to insert, update and delete record from company share holder's Table. Given the structure: SHAREHOLDER : Holderid, H name, Address, No.of shares, sharesr From (Share serial from Number), ShareSrTo (Share Serial upto Number), Facevalue, cost.[8]
- b) What is Request Dispatcher? [4]

OR

- a) Write servlet to accept student information from HTML page, and store the details in a database. [Note: Take suitable fields. [8]
- b) Explain servlet life - cycle. [4]

- Q4) a) What is the difference between the Enumeration and Iterator interface? [5]
- b) Differentiate between method and constructor. [3]

OR

- a) What is difference between Iterator and List Iterator? [5]
- b) Explain 'this' keyword [3]

- Q5) a) Explain the concept of overloading. [4]
- b) Explain thread life cycle. [3]
- c) List any four methods of file class. [3]

OR

- a) Explain Abstract class and Interfaces. [4]
- b) Explain Thread Synchronization. [3]
- c) Explain InputstreamReader and OutputStream Writer [3]

