

Total No. of Questions : 5]

SEAT No. :

PA-2551

[Total No. of Pages : 4

[5948]-101

M.C.A. (Management)
JAVA PROGRAMMINGIT - 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)

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

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- b) Explain wrapper classes in java [4]
- 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]

