Total No. of Questions : 5]

P6978

SEAT No. :

[Total No. of Pages : 4

[5865] - 101
First Year M.C.A. (Management)
IT11-JAVA PROGRAMMING
(2020 Pattern) (Semester - I)

Time : 2½ Hours]
Instructions to the candidates:
  1) All Questions are compulsory.
  2) Figures to right indicate full marks.

[Max. Marks : 50

Q1) Attempt the following multiple choice questions. Each questions carries half mark. **[10]**

  i) Java Source code is compiled into_____.

   a) Obj
   b) Source Code
   c) Byte Code
   d) Exe

  ii) Full Form of J2EE

   a) Java 2 Enterprise Edition
   b) Java 2 Express Edition
   c) Java 2 Expert Edition
   d) Java 2 Enterprise Environment

  iii) _____ is used to Find and Fix bugs in the java programs.

   a) JVM
   b) JRE
   c) JDK
   d) JDB

  iv) Which of these access specifiers can be used for a class so that its members can be accessed by a different class in the different package?

   a) Protected
   b) Public
   c) Private
   d) No modifier

  v) Which of the following is the correct way of importing an entire package 'Pkg'?

   a) Import pkg
   b) Import Pkg.
   c) Import Pkg.*
   d) Import Pkg.*.*

P.T.O.

vi) Which of the following is an incorrect statement about packages?

    a) Package defines a namespace in which classes are stored.

    b) A package can contain other package within it.

    c) Java uses file system directories to store packages.

    d) A package can be renamed without renaming the directory in which the classes are stored.

vii) Exception is a class/interface/abstract class/other.

    a) calss   b) interface

    c) abstract class   d) other

viii) In which of the following package Exception class exist?

    a) Java.io   b) Java . lang

    c) Java. util   d) Java. exception

ix) Which keyword is used to explicity throw an exception?

    a) try   b) catch

    c) throw   d) throws

x) Which of the following handles the exception when a catch is not used?

    a) finally   b) throw handler

    c) default handler   d) java runtime system

xi) Which of these keywords must be used to monitor for exceptions?

    a) try   b) catch

    c) throw   d) Finally

xii) What exception thrown by parse Int( ) method?

    a) Null Pointer Exception

    b) Arithmetic Exception

    c) ClassNot Found Exception

    d) Number format Exception

xiii) Which of these method of string class is used to obtain character at specified index?

    a) char()   b) Charat()

    c) charat()   d) charAt()

xiv) At time of array initialization which is necessary to specify?

    a) Row   b) Column

    c) Row and Column   d) None

xv) String class implements_____.

    a) Serializable   b) Comparable

    c) Char Sequence   d) All of the above

xvi) Intern() method of string class used for

    a) Returns the canonical representation for the string object.

    b) Removes whitespace from both ends of string

    c) Returns a formatted string using the specified format string

    d) Splits a string into an array of substrings.

xvii) Which is not a layout manager?

    a) Flow Layout   b) Border Layout

    c) Card Layout   d) Gridbox Layout

xviii) Which of these events generated when the size of an control is changed?

    a) Component Event   b) Container Event

    c) Focus Event   d) Size Event

xix) Which of the following are the components of the JDBC model.

    1) Java application

    2) JDBC Driver

    3) Database

    a) (1) and (2) only   b) (2) and (3) only

    c) (1) and (3) only   d) All (1), (2) and (3)

xx) A Servlet maintain session in

    a) Servlet container   b) Servlet context

    c) Servlet request   d) Servlet response

Q2) a) Your Collage is conducting a blood donation camp, so organiser wants to know how many students are interested in blood donation, therefore design a form to get details of the students like name, age, blood group, last donation data and whether they are ready to donate or not.

Design user inteface using awt componants and handle respective events. **[6]**

b) Explain adapter class and give example. **[4]**

OR

a) Design a traffic signal using AWT componants handle events. **[6]**

b) Explain list collection with example. **[4]**

Q3) a) Your College is organizing cultural events, create a simple application using servlet to collect information like nam, class, gender in which activity he is interested to participate and store this data is database. **[8]**

b) Explain prepared statement. **[4]**

OR

a) Design UI to read roll number of students using AWT/SWING and display his/her all information like name, class marks, age and gender by fetching it from data base.

(use servlet and jdbc) **[8]**

b) Explain servlet life cycle. **[4]**

Q4) a) Differentiate arraylist and vector. **[5]**

b) Explain runtime polymorphism. **[3]**

OR

a) Explain Tree set with example. **[5]**

b) Explain super keyword. **[3]**

Q5) a) Explain different types of access control available in Java. **[4]**

b) Explain different types of constructor available in Thread class. **[3]**

c) Differentiate character stream and ByteStream. **[3]**

OR

a) Explain nested classes **[4]**

b) Explain synchronized keyword. **[3]**

c) Explain scanner. **[3]**

☆☆☆