



BRAINWARE UNIVERSITY
Term End Examination 2020 - 21
Programme – Master of Science in Multimedia
Course Name – OOPs Programming with Java
Course Code - MMM301B

Semester / Year - Semester III

Time allotted : 75 Minutes

Full Marks : 60

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question)

1 x 60=60

1. *(Answer any Sixty)*

(i) What is known as the base class in Java from which all the classes are derived?

- | | |
|---------------------|-----------------|
| a) java.lang.Object | b) java.io.* |
| c) java.util.* | d) java.math.*; |

(ii) _____ is one of the inventors of Java.

- | | |
|---------------------|------------------|
| a) Dannis Ritchie | b) James Gosling |
| c) Bjarne Strastrup | d) Balagurusamy |

(iii) _____ is one of the java features that enables java program to run anywhere anytime.

- | | |
|-------------------------|-------------------------|
| a) Object-Oriented | b) Dynamic & Extensible |
| c) Platform-Independent | d) Multithreaded |

(iv) _____ is one of the java features that can handle multiple tasks simultaneously.

- | | |
|-------------------------|-------------------------|
| a) Object-Oriented | b) Dynamic & Extensible |
| c) Platform-Independent | d) Multithreaded |

(v) Java compiler translates source code into ____

- | | |
|-------------|------------|
| a) ByteCode | b) Bitcode |
|-------------|------------|

- c) Machine Code
- d) User code

(vi) Java compiler produces an intermediate code known as

- a) ByteCode
- b) Bitcode
- c) User code
- d) Machine Code

(vii) _____ tool helps us to find errors in our programs.

- a) jhelp
- b) javah
- c) javap
- d) jdb

(viii) The _____ includes hundreds classes and methods grouped into several function packages.

- a) API
- b) JVM
- c) JRE
- d) JDK

(ix) Java provides extensive set of classes, arranged in .

- a) Package
- b) Library file
- c) Template class
- d) bag

(x) _____ is use for naming classes, methods, variables etc in a program.

- a) Operator
- b) Separator
- c) Identifier
- d) Constructor

(xi) Which is reserved keyword in java.

- a) Abstract
- b) Extends
- c) Package
- d) All of these

(xii) The process of converting one date type to another is called

-
- a) Casting
 - b) Translating
 - c) Compiling
 - d) Declaring

(xiii) Casting from short to _____ data type, the result is a loss of information

- a) byte
- b) int
- c) long
- d) double

(xiv) _____ operators are used to construct mathematical expression as in algebra.

- a) Relational
- b) Mathematical
- c) Arithmetic
- d) Logical

(xv) Which constraint must be considered at the time of variable declaration?

- a) It should not be keyword
- b) It must not begin with digit
- c) White space not allowed
- d) All of these

(xvi) Which is a reserved word in the Java programming language?

- a) method
- b) native
- c) subclasses
- d) reference

(xvii) The comparisons can be done with help of _____ operator.

- a) Relational
- b) Mathematical
- c) Arithmetic
- d) Assignment

(xviii) Which of the following is not assignment operator?

- a) +=
- b) ==
- c) %=
- d) =

(xix) Which operator is used to construct conditional expression?

- a) Dot(.)
- b) instanceof
- c) Ternary(?:)
- d) reference

(xx) Which statement is use to terminate loop early?

- a) terminate
- b) skip
- c) break
- d) continue

(xxi) Which statement is use to skip the loop and continue with the next iteration?

- a) terminate
- b) skip
- c) break
- d) continue

(xxii) _____ is a group of contiguous or related data items that share a common name.

- a) Variable
- b) Array
- c) Constant
- d) method

(xxiii) Java _____.

- a) Only compiles
- b) Only interprets
- c) Compiles and then interprets
- d) Interprets & then compiles

(xxiv) Range of short variable is

- a) -128 to 128
- b) -128 to 127
- c) -32768 to 32767
- d) -32768 to 32768

(xxv) If two methods have same name but different parameters then it is called _____.

- a) Method overriding
- b) Method overloading
- c) Operator overloading
- d) Constructor overloading

(xxvi) _____ inheritance is not supported by JAVA.

- a) Multiple
- b) Multi level
- c) Hierarchical
- d) Hybrid

(xxvii) The mechanism of deriving a new class from an old one is called _____.

- a) Method overriding
- b) Method overloading
- c) Operator overloading
- d) Inheritance

(xxviii) Which of these class is superclass of every classes in Java?

- a) Object
- b) String
- c) Buffer
- d) class

(xxix) Which of these method of Object class is used to obtain class of an object at run time?

- a) Get()
- b) Void getClass()
- c) Class getClass()
- d) Post()

(xxx) The object cloning is a way to _____ exact copy of an object?

- a) modify
- b) create
- c) delete
- d) modify

(xxxii) Generally string is a sequence of characters, But in java, string is a _____.

- a) Object
- b) Class
- c) method
- d) package

(xxxiii) String class is encapsulated under which package?

- a) java.lang
- b) java.util
- c) java.string
- d) java.math

(xxxiv) Java defines a peer class of String, called?

- a) StringBuffer
- b) String Builder
- c) Buffer
- d) char

(xxxv) Which method of string class in java returns a new string that is a substring of this string?

- a) public String substring(int beginIndex,int endIndex)
b) public String substring(int beginIndex, int endIndex)
c) public String substring
d) public boolean equalsIgnoreCase(String another)

(xxxv) Which constructor creates an empty string buffer with the specified capacity as length?

- a) StringBuffer()
b) StringBuffer(String str)
c) StringBuffer(int capacity)
d) StringBuffer(int load)

(xxxvi) How many constructors are defined in StringTokenizer class?

- a) 1
b) 3
c) 4
d) 2

(xxxvii) IOException _____

- a) Found in java.io package
b) Is a Compile time exception
c) Is a subclass/extends Exception
d) All of these

(xxxviii) Which of these are java.lang.Error in exception handling in java

- a) VirtualMachineError
b) IOError
c) AssertionError
d) All of these

(xxxix) In which condition will the finally block will not be executed?

- a) When some Error occurs
b) When some Exception raised
c) When System.Exit(1) is called
d) All of these

(xl) Which are the common security restrictions in applets?

- a) Applets can't load libraries or define native methods
b) An applet can't read every system property
c) Applets can't load libraries or define native methods and An applet can't read every system property
d) No restrictions

(xli) From the following statements which is a drawback for Applet?

- a) It works at client side so less response time
- b) Secured
- c) It can be executed by browsers running under many platforms, including Linux, Windows, and Mac Os etc
- d) Plugin is required at client browser to execute applet

(xlii) What invokes immediately after the start() method and also any time the applet needs to repaint itself in the browser?

- a) stop()
- b) init()
- c) paint()
- d) destroy()

(xliii) Which method is called only once during the run time of your applet?

- a) stop()
- b) destroy()
- c) init()
- d) paint()

(xliv) When an applet is terminated which of the following sequence of methods calls take place?

- a) stop(),paint(),destroy()
- b) destroy(),stop(),paint()
- c) destroy(),stop()
- d) stop(),destroy()

(xlv) Which is a special type of program that is embedded in the webpage to generate the dynamic content?

- a) Package
- b) Applet
- c) Browser
- d) abstract

(xlvi) What is used to run an Applet?

- a) An html file
- b) An AppletViewer tool(for testing purpose)
- c) An html file and An AppletViewer tool(for testing purpose)
- d) .java

(xlvi) Text field can be created by which of the following methods. i) TextField() ii) TextFieldString() iii) TextField(int) iv) TextField(string, int)

- a) i, ii and iii only
- b) ii, iii and iv only
- c) i, iii and iv only
- d) All i, ii, iii and iv

(xlviii) Which is the correct order of lifecycle in an applet?

- a) Applet is started,initialized, painted,destroyed,stopped
- b) Applet is painted,started,stopped, initilaized,destroyed
- c) Applet is initialized,started, painted,stopped,destroyed
- d) Applet is painted,started,stopped, destroyed,initialized

(xlix) Which method is used to suspend threads that don't need to run when the applet is not visible?

- a) destroy()
- b) paint()
- c) stop()
- d) start()

(l) When an applet begins, in which sequence will the AWT call the methods?

- a) init(),paint(),start()
- b) Start(),paint(),init()
- c) intit(),start(),paint()
- d) paint(),start(),init()

(li) Which method is first Called for any applet when it starts its execution?

- a) void init()
- b) void destroy()
- c) boolean isActive()
- d) None of these

(lii) Which applet java.awt.component class provides the life cycle method?

- a) public void paint(Graphics g)
- b) public void destroy()
- c) public void stop()
- d) public void init()

(liii) Which is invoked after the init() method or browser is maximized?

- a) public void start()
- b) public void paint(Graphics g)
- c) Public void stop()
- d) Public void init()

(liv) java.applet defines how many interfaces?

- a) 2
- b) 3
- c) 4
- d) 5

(lv) In Servlet Terminology what provides runtime environment for JavaEE (j2ee) applications. It performs many operations that are given below: 1. Life Cycle Management 2. Multithreaded support 3. Object Pooling 4. Security etc.

- a) Server
- b) Webserver
- c) Container
- d) Application Server

(lvi) Arrange the steps involved in developing and testing the applet in correct order. i) creating an executable applet (.classfile) ii) preparing <APPLET> tag iii) creating HTML file iv) building an applet code (.java file) v) testing the applet code

- a) 1-i, 2-ii, 3-iii, 4-iv, 5-v
- b) 1-ii, 2-iii, 3-iv, 4-v, 5-i
- c) 1-iv, 2-i, 3-ii, 4-iii, 5-v
- d) 1-iii, 2-iv, 3-v, 4-i, 5-ii

(lvii) State whether the following statements about the Applets are True or False. i) Applets can communicate with other services on the network. ii) Applets cannot run any program from the local computer.

- a) True, False
- b) False, True
- c) True, True
- d) False, False

(lviii) The method is called every time the applet receives focus as a result of scrolling in the active window.

- a) init()
- b) start()
- c) stop()
- d) destroy()

(lix) Which of the following applet tags is legal to embed an applet class named Test into a webpage?

- a)
- b)

`<applet code=Test.class width=200 height=100> </applet>`

`<applet> code=Test.class width=200 height=100> </applet>`

c)

d)

`<applet code=Test.class width=200 height=100> </applet> <applet param=Test.class width=200 height=100> </applet>`

(lx)

If you want to assign a value of 88 to the variable year, then which of the following lines can be used within an `<applet>` tag.

a)

b)

`number = getParameter(88)`

`<number=99>`

c)

d)

`<param = radius value=88>`

`<param name=number value=88>`