DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

Mid Semester Examination – March 2019

Course: S.Y.B.Tech(CSE)   Sem: II

Subject Name:E-1 Object Oriented Programming in Java   Subject Code: BTCOE404

Max Marks: 20   Date:- 14/03/2019   Duration:- 1 Hr.

Instructions to the Students:

1. Check that you have received a correct Question paper.
2. Assume suitable data if necessary and mention it clearly
3. Draw NEAT labeled diagrams wherever necessary

Q. 1. Attempt Questions   (1*6 = 6 Marks)

1) What is "out" in statement System.out.println( ) ?

   a)class name   b)function   c) object   d) interface

2) Range of data type "byte" in Java ?

   a)-8 to +7   b) 0 to 256   c) -128 to +127   d) -16 to +15

3)System class is defined in

   a)java.util package   b)java.lang package   c)java.io.package   d)none of these

4) int x=0,y=0,z=0;

   x = (++x + y--) * z++; x = (++x + y--) * z++;

   What will be value of x after execution?

   a) -2   b) -1   c) 0   d) 1

5) What will be the output

   if(1+1+1==4){ System.out.println("TRUE"); }

   else { System.out.println("FALSE"); }

   a)FALSE   b)TRUE   c)compiler error   d)none of these

6) size of int in java

   a)32bit   b)16bit   c)64bit   d)8bit

Q. 2. Attempt any two of the following   (2*3 =6 Marks)

1) List all features of object technology. Elaborate any three features with real world object.

2) Write an application in Java to calculate the table of any number read by the user .Display the result in table format as shown. for eg

   5*1=5

   5*2=10

   : : :

   : : :

   5*10=50

3) Differentiate between Primitive Types and Reference Types.

Q.3. Attempt any one of the following   (1* 8 = 8 Marks)

1) Design a class to represent a bank account. Include the following members :

   Data members : Name of depositor, Account number , Type of account , Balance amount,

   Methods : assign( ) to assign initial values, deposit( ) to deposit an amount, withdraw( ) to withdraw an amount after checking balance, display( ) to display name and balance. Create an object to access these methods.

2)Define Pseudocode. Take an example of class of 12 students had appeared an exam. The grade (marks) earned in this exam are input. Determine the average grade of this class. Do not use array. Formulate algorithm and write a program in java for same using counter control repetition.

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