First Java Mock M36

Total points   56/80   ?

Email *

sineshbabbar@gmail.com

0 of 0 points

Contact number: *

7015063395

Batch Code : *

M36

Name : *

Sinesh Babbar

Email: *

sineshbabbar@gmail.com

Spellings

✔ **Choose the correct spelling:** *   1/1

- ◉ Occurrence   ✔
- ○ Ocurence
- ○ Ocurrence
- ○ Occurence

✘ **Choose the correct spelling:** *   0/1

- ○ Recive
- ◉ Recieve   ✘
- ○ Receive
- ○ Receeve

✘ **Choose the correct Spellings:** *   0/1

- ◉ Accomodation   ✘
- ○ Acommodation
- ○ Accommodation
- ○ Acomodation

One Word Substitution

✓ Your friend said, "If yesterday was tomorrow, today would be Friday." * 1/1
On which day did your friend make this statement ?

○ Sunday ✓

○ Thursday

○ Friday

○ Wednesday

✗ Read each sentence to find out whether there is any grammatical error in it. The error, if *0/1
any will be in one part of the sentence. The letter of that part is the answer. If there is no
error, the answer is 'E'. (Ignore the errors of punctuation, if any).
2.(solve as per the direction given above)

○ Nitin's nephew, who lives

⦿ in Bangalore, is eager to travel to ✗

○ No error.

○ Delhi to have

○ a glimpse of the capital.

✗ Two students appeared at an examination. One of them secured 9 marks more than the *0/1
other and his marks was 56% of the sum of their marks. The marks obtained by them are:

○ 39, 30

⦿ 41, 32 ✗

○ 43, 34

○ 42, 33

✓ 1397 x 1397 = ? * 1/1

○ 2031719

○ 18362619

◉ 1951609 ✓

○ 1981709

✕ 18.If X + Y means X is the daughter of Y; X – Y means X is the brother of Y; X % Y means *0/1
X is the father of Y and X x Y means X is the sister of Y. Which of the following means I is
the niece of J?

◉ A) J - N % C x I ✕

○ B) I x C - N % J

○ C) J + M x C % I

○ D) I x C + N - J

✓ I'm interested ___ learning French. * 1/1

◉ in ✓

○ at

○ to

○ with

✗   10. A bag contains 2 red, 3 green and 2 blue balls. Two balls are drawn at random. What is   *0/1
      the probability that none of the balls drawn is blue?

◉ A)11/21   ✗

○ B) 2/7

○ C) 4/7

○ D) 10/21

✓   A sum of money is to be distributed among A, B, C, D in the proportion of 5 : 2 : 4 : 3. If C   *1/1
      gets Rs. 1000 more than D, what is B's share?

○ Rs. 1500

○ None of these

○ Rs. 500

◉ Rs. 2000   ✓

✓   A person who speaks many languages: *   1/1

○ Interpreter

○ Translator

◉ Polyglot   ✓

○ Monolingual

✓ One who loves books: *   1/1

○ Author

○ Reader

○ Novelist

◉ Bibliophile   ✓

✗ If 0.75 : x :: 5 : 8, then x is equal to: *   0/1

○ 1.30

○ 1.2

○ 1.12

◉ 1.25   ✗

✓ 1. A machine P can print one lakh books in 8 hours, machine Q can print the same number *1/1
   of books in 10 hours while machine R can print them in 12 hours. All the machines are
   started at 9 A.M. while machine P is closed at 11 A.M. and the remaining two machines
   complete work. Approximately at what time will the work (to print one lakh books) be
   finished ?

○ C) 12:30 P.M

◉ D) 1:00 P.M   ✓

○ A) 11:30 A.M.

○ B) 12 noon

?

✓ I need ___ umbrella. * 1/1

○ the

○ no article

⦿ an ✓

○ a

✗ B2CD, ____, BCD4, B5CD, BC6D * 0/1

⦿ BC3D ✗

○ B2C3D

○ B2C2D

○ BCD7

✓ 20. Deepak said to Nitin, "That boy playing with the football is the younger of the two brothers of the daughter of my father's wife." How is the boy playing football related to Deepak? *1/1

○ A) Son

⦿ B) Brother ✓

○ C) Cousin

○ D) Brother-in-law

?

✓ She is good ___ painting. * 1/1

○ for

◉ at ✓

○ in

○ of

✗ Blueberries cost more than strawberries. * 0/1
Blueberries cost less than raspberries.
Raspberries cost more than strawberries and blueberries.
If the first two statements are true, the third statement is

○ UNCERTAIN

○ TRUE

◉ FALSE ✗

✗ Find the number which would come in place of question mark 81 : 101 :: 121 : ? . * 0/1

○ 169

◉ 196 ✗

○ 256

○ 225

Section1 4 of 8 points

✕   1)Which of the following is not a Java features? *   0/1

○ Dynamic

◉ Architecture Neutral   ✕

○ Use of pointers

○ Object-oriented

✓   9)What is the extension of java code files? *   1/1

○ a) .class

◉ b) .java   ✓

○ c) .txt

○ d) .js

✕   8)Which of the below is invalid identifier with the main method? *   0/1

○ a) public

○ b) static

○ c) private

◉ d) final   ✕

✗   3)Which of the following option leads to the portability and security of Java? *   0/1

○   Bytecode is executed by JVM

◉   The applet makes the Java code secure and portable   ✗

○   Use of exception handling

○   Dynamic binding between objects

✓   6)Which component is used to compile, debug and execute java program? *   1/1

○   JVM

◉   b) JDK   ✓

○   c) JIT

○   d) JRE

✓   7)Which component is responsible for converting bytecode into machine specific code? *   1/1

◉   a) JVM   ✓

○   b) JDK

○   C) Neither a,b nor d

○   d) JRE

✕   2)Which of the following is a valid declaration of a char? *   0/1

○   char ch = 'a';

○   char ca = 'tea';

○   char cr = 5;

◉   char cc = "tea"   ✕

✓   4)5Evaluate the following Java expression, if x=3, y=5, and z=10:++z + y – y + z + x++ *   1/1

○   24

○   23

○   20

◉   25   ✓

Section2   19 of 23 points

✓   45)What is size of integer in Java Programming. *   1/1

○   A. 1 Bytes

○   B. 2 Bytes

◉   C. 4 Bytes   ✓

○   D. 8 Bytes

✓   40)How many primitive data types in java. *   1/1

○ 6

◉ 8   ✓

○ 9

○ 4

○ Other: _____

✗   16)What will be the error in the following Java code?   byte b = 50;   b = b * 50; *   0/1

○ a) b cannot contain value 50

◉ b) b cannot contain value 100, limited by its range   ✗

○ c) No error in this code

○ d) * operator has converted b * 50 into int, which can not be converted to byte without casting

✗   11)What is a token? *   0/1

◉ A token is any character that may be used as punctuation   ✗

○ A token is a type of expression

○ A token is a group of characters that means something in a particular context.

○ A token is a group of digits

✓   22)What will be the output of the following Java code? *   1/1

```java
class increment {
    public static void main(String args[])
    {
        int g = 3;
        System.out.print(++g * 8);
    }
}
```

◉ a) 32   ✓

◯ b) 33

◯ c) 24

◯ d) 25

✓   41)Which of the following is smallest integer data type ? *   1/1

◯ A. int

◉ B. byte   ✓

◯ C. short

◯ D. long

✓ 12)Who invented Java Programming? * 1/1

○ a) Guido van Rossum

◉ b) James Gosling ✓

○ c) Dennis Ritchie

○ d) Bjarne Stroustrup

✓ 44)Character data type cannot store which following value. * 1/1

○ A. Digit

○ B. Letter

○ C. Special Character

◉ D. String ✓

✓ 27)Which is the valid variable name * 1/1

○ A. 5thTeam

○ B. &5thteam

◉ C. _5thTeam ✓

○ D. None of Above

✗ 48)Which of the following data type(s) can store 64 bit Value. * 0/1

○ A. boolean ✗

○ B. int

○ C. float

○ D. long

✓ 46)Java is case sensitive langauge. * 1/1

○ False

● True ✓

○ Both

○ None

○ Other: _____

✓ 13)Which statement is true about Java? * 1/1

○ a) Java is a sequence-dependent programming language

○ b) Java is a code dependent programming language

○ c) Java is a platform-dependent programming language

● d) Java is a platform independent programming language ✓

✓ 20)What is the numerical range of a char data type in Java? *   1/1

○ a) 0 to 256

○ b) -128 to 127

◉ c) 0 to 65535   ✓

○ d) 0 to 32767

✗ 47)Default value of variable having boolean data type is. *   0/1

○ A. TRUE

○ B. FALSE

◉ C. null   ✗

○ D. garbage

✓ 49)size of int in java is *   1/1

○ 64 bit

○ 16bit

◉ 32 bit   ✓

○ None

○ Other:
_____

✓　34)What is the default value of char ? *　　　　　　　　1/1

○ A. "

○ B. '0000'

○ C. '0'

◉ D. '\u0000'　　　　　　　　　　　　　　　　　　✓

✓　21) What is Literal in Java? *　　　　　　　　　　　1/1

○ Literal is a data type

◉ Literal is the value that is given or assigned to a variable.　　✓

○ Literal is similar to String

○ None of the above

✓　14)Which of these cannot be used for a variable name in Java? *　1/1

○ a) identifier & keyword

○ b) identifier

◉ c) keyword　　　　　　　　　　　　　　　　　　✓

○ d) none of the mentioned

?

✓ 32)What are the types of data types in Java? * 1/1

○ A. Primitive Data types

○ B. Non-primitive Data Types

⦿ C. Both of above ✓

✓ 42)Which of the following is not a primitive data type ? * 1/1

○ A. byte

⦿ B. enum ✓

○ C. short

○ D. int

✓ 30)Which is not a primitive data type? * 1/1

○ A.float

○ B. char

⦿ C. Arrays ✓

○ D. int

✓ 43)Which of the following data types comes under floating data types ? * 1/1

○ A. int

◉ B. double ✓

○ C. long

○ D. byte

✓ 24)A name of variable is known as * 1/1

○ A. Data Type

○ B. Constant

◉ C. Identifier ✓

Primitive Type Conversion 12 of 15 points

✓ What is the result of a Narrowing type conversion? * 1/1

◉ Loss of data ✓

○ Addition of data

○ Corruption of data

○ None of the above

✓   What is a Widening Type Conversion in Java? *   1/1

○   A) Conversion of data from higher data type to lower data type

○   B)Conversion of data from any data type to any data type

◉   C)Conversion of data from lower data type to higher data type   ✓

○   None of the above

✓   Explicit Type Conversion in Java refers to ___? *   1/1

○   Widening Type Conversion

◉   Narrowing Type Conversion   ✓

○   No Type Conversion

○   None of the above

✓   What is the result of a Widening Type Conversion in Java? *   1/1

○   Loss of data

○   Gain of data

◉   No changes   ✓

○   None of the above

✓   Based on the number of operands "Type cast operator" is which type of operator ? *   1/1

    ◉   Unary Operator   ✓

    ○   Binary Operator

    ○   Tarinary operator

✓   What is the range of byte data type ? *   1/1

    ○   -127 to +128

    ○   0 to -127

    ◉   -128 to +127   ✓

    ○   0 to 128

✗   What is the output of the below Java code snippet? *   0/1

```
float a = 8.2/2;
System.out.println(a);
```

    ○   4.1

    ○   4.0

    ◉   4   ✗

    ○   Compiler time error

✕   What is the size of boolean data type ? *   0/1

⬤ 1 byte   ✕

◯ 2 byte

◯ 1 bit

◯ None of the above

✓   Implicit Type Conversion in Java is also called ____? *   1/1

⬤ Widening Type Conversion   ✓

◯ Narrowing Type Conversion

◯ No Type Conversion

◯ None of the above

✓   Can we do Widening Type Conversion explicitly with help of type cast operator ? *   1/1

⬤ Yes   ✓

◯ No

✓ **What is a Narrowing Type Conversion in Java?** *   1/1

⦾ Conversion of data from lower data type to higher data type

⦿ Conversion data from a higher data type to a lower data type   ✓

⦾ Conversion of data from any data type to any data type

⦾ None of the above

✓ **A boolean literal in Java can be type casted to which data type?** *   1/1

⦾ byte

⦾ short

⦾ int

⦿ None of the above   ✓

✓ What is the output of the below Java code snippet? * 1/1

```
char ch = 'A';//ASCII 65
int a = ch + 1;
ch = (char)a;
System.out.println(ch);
```

○ 66

○ A

◉ B ✓

○ 65

✓ What are the Primitive Type Conversions available in Java language? * 1/1

○ A)Narrowing Type Conversion

○ B) Upcasting

○ C) Downcasting

○ D) Widening Type Conversion

◉ A & D ✓

○ B & C

✕   What is the output of the following Java Code?   *   0/1

```
int a=9;
float b = a/2;
System.out.println(b);
```

◉ 4.5   ✕

○ 4.0

○ 4

○ Compile Time error

Operator   **10 of 13 points**

✓   What is the output of a Logical OR (I) operation if one of the inputs/operands is false? *   1/1

○ false

○ true

◉ false or true   ✓

○ None of the above

✓   What is the output of Logical AND (&) operation if one of the inputs/operands is false? *   1/1

○ true

⦿ false   ✓

○ false or true

○ None of the above

✓   Which is the Logical operator in Java that works with a Single Operand? *   1/1

○ Logical AND

○ Logical OR

⦿ Logical NOT   ✓

○ Logical Exclusive OR

✓   How many minimum number of operands are required to use Comparison operators in   *1/1
Java?

○ 1

⦿ 2   ✓

○ 3

○ 4

✓ What is the output of the Java code snippet? *   1/1

```
int a=10, b=5, c=3;
int d = a+c/2*b;
System.out.println(d);
```

○ 17.5

○ 32.5

◉ 15   ✓

○ Compile Time Error

✗ What is the other name for Relational Operators in Java? *   0/1

◉ Comparison operators   ✗

○ Conditional operators

○ A and B

○ None of the above

✓ What is the input for Logical Operators? *   1/1

○ 1 and 0

◉ true / false   ✓

○ char / String

○ None of the above

✕ How do you rewrite the below Java code snippet? * 0/1

```
int p=10;
p = p%3;
```

◉ p=%3; ✕

○ p%=3;

○ p=3%;

○ None of the above

✓ Example of unary operator * 1/1

○ *, /

○ <, >

○ =, +=

◉ +, - ✓

✓ What is the data type of output of any Comparison Operation in Java? * 1/1

○ int

○ char

◉ boolean ✓

○ byte

✓   Choose the Compound Assignment Arithmetic Operators in Java below. *   1/1

○   +=, -=

○   *=, /=

○   %=

◉   All the above   ✓

✗   What is the output of Java code snippet below? *   0/1

```
short p = 1;
short k = p + 2;
System.out.println(k);
```

○   1

○   2

◉   3   ✗

○   Compile Error

✓ What is the output of the Java code snippet? *   1/1

```
int a=10, b=6;
int c = a+b*5;
System.out.println(c);
```

⦿ 40   ✓

◯ 50

◯ 80

◯ Compile Time Error

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