



Dashboard > Courses > School Of Engineering & Applied Sciences > B.Tech. > B.Tech. Cohort 2020-2024 > Semester-II Cohort 2020-24 > ECSE106L- Even (Group - I & Group - II) > 8 June - 14 June > MID SEM EXAM (Slot - 2)

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**State** Finished

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**Time taken** 50 mins 1 sec

**Grade** 23.00 out of 30.00 (77%)

### Question 1

Complete

Mark 1.00 out of

1.00

```
public class Main
{
    public static void main(String[] args)
    {
        long[][] input = new long[3][];
        input[0] = new long[2];
        input[1] = new long[3];
        input[2] = new long[5];
        input[0][1] = 12L;
        System.out.println(input[0][1]);
    }
}
```

Select one:

- ☐ a. @input67542
- ☐ b. compilation error
- ☒ c. 12
- ☐ d. 0

The correct answer is: 12



**Question 2**

Complete

Mark 0.00 out of

1.00

In java programming language advantages of inheritance? (select most appropriate answer)

Select one:

- ☒ a. code reusability
- ☐ b. class extendibility
- ☐ c. none
- ☐ d. Both code reusability and class extendibility

The correct answer is: Both code reusability and class extendibility

**Question 3**

Complete

Mark 0.00 out of

1.00

```
class White {  
    White() {  
        System.out.print("Computer Science ");  
    }  
}  
  
class Purple extends White {  
    Purple(String color) {  
        System.out.print(color);  
    }  
}  
  
class Main extends Purple {  
    Main() {  
        super("India" + ",");  
    }  
    public static void main(String[] a) {  
        new Purple("Bennett University" + ",");  
        new Purple("Greater Noida");  
    }  
}
```

Select one:

- ☐ a. Computer Science Bennett University
- ☐ b. Compilation error
- ☐ c. Computer Science Bennett University, Computer Science Greater Noida
- ☒ d. Computer Science Bennett University, India Computer Science Greater Noida
- ☐ e. India Computer Science Bennett University, Computer Science Greater Noida

The correct answer is: Computer Science Bennett University, Computer Science Greater Noida



#### Question 4

Complete

Mark 1.00 out of

1.00

```
public class A
{
    {
        System.out.println(i);
    }
    int i = 10;
    public static void main(String args[])
    {
        A a = new A( );
        System.out.println(a.i);
    }
}
```

Select one:

- ☐ a. 0  
10
- ☐ b. 10  
10
- ☒ c. Compilation error
- ☐ d. 10

The correct answer is: Compilation error



### Question 5

Complete

Mark 1.00 out of

1.00

```
public class Active {  
    public static void main(String[] args) {  
        if (true) {  
            int[] str = {5};  
            String i = "" + str[0];  
            System.out.print(i);  
        }  
        System.out.print("-");  
        {  
            int[] str = {1, 2};  
            System.out.print(str[1]);  
        }  
        System.out.print("-");  
        {  
            String str = "Bennett University Computer Science and Engineering";  
            System.out.print(str);  
        }  
        System.out.print("-");  
        {  
            int str = 124;  
            System.out.print(str);  
        }  
    }  
}
```

Select one:

- ☐ a. 5-1-Bennett University Computer Science and Engineering-124
- ☒ b. 5-2-Bennett University Computer Science and Engineering-124
- ☐ c. Bennett University Computer Science and Engineering
- ☐ d. Compilation error
- ☐ e. 5-1-124-5-2-Bennett University Computer Science and Engineering

The correct answer is: 5-2-Bennett University Computer Science and Engineering-124



**Question 6**

Complete

Mark 1.00 out of

1.00

```
class Loop {  
    public static void main(String[] args)  
    {  
        int m = 9, n = 1, x = 0;  
        while(m > n)  
        {  
            m--;  
            n += 2;  
            x += m + n;  
        }  
        System.out.println(x);  
    }  
}
```

Answer: 

The correct answer is: 36



**Question 7**

Complete

Mark 1.00 out of

1.00

Predict the output? (More than one answer can be correct)

```
public class ArrayOutput
{
    public static void main(String s[])
    {
        int student_marks[ ] = new int[39];
        student_marks = new int[ ]{10, 20, 30};
        int[ ] my_array = null;
        my_array = student_marks;
        System.out.println("My Array length is: " + my_array.length);
        System.out.println("Student Marks Array length is: " + student_marks.length);
    }
}
```

Select one or more:

- ☐ a. Student Marks Array length is: 39
- ☐ b. Compilation error
- ☒ c. Student Marks Array length is: 3
- ☒ d. My Array length is: 3
- ☐ e. My Array length is: 0

The correct answers are: My Array length is: 3, Student Marks Array length is: 3



**Question 8**

Complete

Mark 1.00 out of

1.00

```
class Main
{
    public static void main(String[] args)
    {
        boolean b = false;
        int i = 1;
        do
        {
            i++;
            b = !b;
        } while (b);
        System.out.println(i);
    }
}
```

Select one:

- ☐ a. 2
- ☐ b. 1
- ☒ c. 3
- ☐ d. Compilation Error

The correct answer is: 3



**Question 9**

Complete

Mark 1.00 out of

1.00

Which program will give a compile-time error?

program 1

```
public class Main
{
    public static void main(String[] args) {
        int num1=10,num2=20;
        while(num1<num2)
        {
            System.out.println("Hello World");
        }
        System.out.println("hi World");
    }
}
```

program 2

```
public class Main
{
    public static void main(String[] args) {
        final int num1=10,num2=20;
        while(num1<num2)
        {
            System.out.println("Hello World");
        }
        System.out.println("hi World");
    }
}
```

Select one:

- ☐ a. None of the above
- ☒ b. program 2
- ☐ c. program 1
- ☐ d. both program 1 and program 2

The correct answer is: program 2





## Question 10

Complete

Mark 1.00 out of

1.00

```
class ABC
{
    static int i;
    static
    {
        i = 100;
        System.out.println("Bennett");
    }
    static void staticMethod()
    {
        System.out.println(i);
        System.out.println("University");
    }
}

public class Main
{
    static
    {
        System.out.println("Computer");
    }
    public static void main(String[] args)
    {
        System.out.println("Science");
        System.out.println(ABC.i);
        ABC.staticMethod();
    }
}
```

Select one:

- ☐ a. Bennett  
Computer  
Science  
100  
100  
University
- ☐ b. Compilation error
- ☐ c. Computer  
Science  
Bennett  
100  
0  
University
- ☒ d. Computer  
Science  
Bennett  
100  
100  
University
- ☐ e. Bennett  
Computer



Science

100

0

University

The correct answer is: Computer

Science

Bennett

100

100

University

### Question 11

Complete

Mark 1.00 out of

1.00

Which is not a literals in java?

Select one:

- ☐ a. "Value"
- ☐ b. 123
- ☐ c. true
- ☒ d. name

The correct answer is: name



## Question 12

Complete

Mark 1.00 out of

1.00

We can use break statement for the following cases?

1. Within switch to stop fall through
2. Inside loops to break the loop execution based on some condition.
3. Inside labelled blocks to breaks that block execution based on some condition.
4. we can use break statement anywhere in the program.

Select one:

- ☐ a. only cases 1,3 are correct
- ☐ b. only cases 2,3 are correct
- ☒ c. only cases 1,2,3 are correct
- ☐ d. All four cases (1,2,3,4) are correct
- ☐ e. only cases 1,2 are correct

The correct answer is: only cases 1,2,3 are correct



### Question 13

Complete

Mark 1.00 out of

1.00

```
public class I {  
    public static void main(String arg[]) {  
        School ref = null;  
        ref = new Office();  
        ref.display();  
    }  
}  
  
class School {  
    void display() {  
        System.out.println("10th class");  
    }  
}  
  
class College extends School {  
    void display() {  
        new School().display();  
        System.out.println("B.Tech");  
    }  
}  
  
class Office extends School {  
    void display() {  
        new College().display();  
        System.out.println("Software company");  
    }  
}
```

Select one:

- ☐ a. 10th class  
Software company
- ☐ b. B.Tech  
10th class  
Software company
- ☒ c. 10th class  
B.Tech  
Software company
- ☐ d. B.Tech  
Software company
- ☐ e. compilation error

The correct answer is: 10th class

B.Tech

Software company



### Question 14

Complete

Mark 0.00 out of

1.00

```
class examples {  
    public static void main(String[] args)  
    {  
        int a1 = 23, a2 = 33, a3;  
        a3 = a1 || a2;  
  
        System.out.println(a3);  
  
        boolean b1 = true, b2=false;  
        boolean b3 = b1 | b2;  
  
        System.out.println(b3);  
  
        a3 = a1 ^ a2;  
        System.out.println(a3);  
  
        b3 = b1 ^ b2;  
        System.out.println(b3);  
    }  
}
```

Select one:

- ☒ a. true  
true  
54  
true
- ☐ b. False  
53  
True  
True
- ☐ c. Compilation Error
- ☐ d. 1  
35  
1  
1

The correct answer is: Compilation Error



### Question 15

Complete

Mark 1.00 out of

1.00

```
class Main
{
    public static void main(String s[])
    {
        int i = 4;
        A a = new A();
        B b = new B();
        b.execute();
    }
}

class A
{
    int i = 1;
    A()
    {
        int i = 3;
    }
}

class B extends A
{
    void execute()
    {
        System.out.println("i = " + i);
    }
}
```

Select one:

- ☒ a. i=1
- ☐ b. i=3
- ☐ c. compilation error
- ☐ d. i=0

The correct answer is: i=1



**Question 16**

Complete

Mark 1.00 out of

1.00

```
class Conditional {  
    public static void main(String args[])  
    {  
        int a = 0;  
        a +=5;  
        switch(a)  
        {  
            case 5: System.out.print("Bennett");  
            case 10: System.out.print("University");break;  
            default: System.out.print("CSE");  
        }  
    }  
}
```

Select one:

- ☒ a. BennettUniversity
- ☐ b. UniversityCSE
- ☐ c. Bennett
- ☐ d. University
- ☐ e. BennettUniversityCSE

The correct answer is: BennettUniversity



### Question 17

Complete

Mark 0.00 out of

1.00

```
class A
{
    static int i;

    static
    {
        System.out.println("Bennett");
        i = 100;
    }
}

class Main
{
    static
    {
        System.out.println("University");
    }

    public static void main(String[] args)
    {
        System.out.println("Computer Science");
        System.out.println(A.i);
    }
}
```

Select one:

- ☐ a.  
Bennett  
University  
Computer Science  
100
- ☒ b. Compilation Error
- ☐ c. University  
Computer Science  
Bennett  
100
- ☐ d. Computer Science  
100
- ☐ e. Computer Science  
Bennett  
100  
University

The correct answer is: University

Computer Science

Bennett

100





**Question 18**

Complete

Mark 1.00 out of

1.00

```
class Conditional {  
    public static void main(String[] args)  
    {  
        int a = 5, b = 10;  
        first:  
        {  
            second:  
            {  
                third:  
                {  
                    if (a == b >> 1)  
                        break second;  
                }  
                System.out.println(a);  
            }  
            System.out.println(b);  
        }  
    }  
}
```

Select one:

- ☒ a. 10
- ☐ b. 20
- ☐ c. Compilation Error
- ☐ d. 5 10

The correct answers are: 10, Compilation Error



**Question 19**

Complete

Mark 1.00 out of

1.00

```
class Loop {  
    public static void main(String[ ] args)  
    {  
        for (int i = 0; ; i++)  
            System.out.println("Bennett University");  
    }  
}
```

Select one:

- ☐ a. Bennett University Bennett University
- ☐ b. Compilation Error
- ☐ c. Bennett University
- ☒ d. infinite loop

The correct answer is: infinite loop

**Question 20**

Complete

Mark 1.00 out of

1.00

Constructor in java are executed in which order?

Select one:

- ☐ a. none of the above
- ☐ b. child class to parent class
- ☒ c. parent class to child class
- ☐ d. random

The correct answer is: parent class to child class



## Question 21

Complete

Mark 1.00 out of

1.00

```
public class Main
{
    static int i = 10;
    int j = 100;
    {
        methodOne();
        i = 100;
        j = 10;
    }

    void methodOne()
    {
        System.out.println("i = "+i);
        System.out.println("j = "+j);
    }

    public static void main(String[] args)
    {
        Main a = new Main();
        a.methodOne();
    }
}
```

Select one:

- ☐ a. Compilation error
- ☐ b. i=0  
j=0
- ☐ c. i=10  
j=100
- ☐ d. i=10  
j=100  
i=10  
j=100
- ☒ e. i=10  
j=100  
i=100  
j=10

The correct answer is: i=10

j=100

i=100

j=10



**Question 22**

Complete

Mark 1.00 out of

1.00

```
class Loop {  
    public static void main(String[ ] args)  
    {  
        int i = 0;  
        for (; i < 3; i++)  
            System.out.print(i + ", ");  
        System.out.println(i);  
    }  
}
```

Select one:

- ☐ a. 0, 1, 2, 0
- ☒ b. 0, 1, 2, 3
- ☐ c. Compilation Error
- ☐ d. 0, 1, 2, 3, 4

The correct answer is: 0, 1, 2, 3

**Question 23**

Complete

Mark 1.00 out of

1.00

```
class Loop {  
    public static void main(String args[ ])  
    {  
        int i = 0;  
        for (System.out.println("CSE"); i < 1; i++)  
            System.out.println("Bennett University");  
    }  
}
```

Select one:

- ☐ a. infinite loop
- ☐ b. Compilation Error
- ☐ c. Bennett University
- ☒ d. CSE Bennett University

The correct answer is: CSE Bennett University



**Question 24**

Complete

Mark 1.00 out of

1.00

```
class Conditional {  
    public static void main(String args[])  
    {  
        float fl = 5.3f;  
        if (fl == 5.3)  
            System.out.println("1");  
        else  
            System.out.println("2");  
    }  
}
```

Answer: 

The correct answer is: 2

**Question 25**

Complete

Mark 1.00 out of

1.00

```
class Main  
{  
    public static void main(String[] args)  
    {  
        int [ ] a = new int [10];  
        a[1] = 10;  
        a = new int [5];  
        System.out.println("a [1] is " + a[1]);  
    }  
}
```

Select one:

- ☐ a. a [1] is @a53421
- ☒ b. a [1] is 0
- ☐ c. a [1] is 19
- ☐ d. Compilation Error

The correct answer is: a [1] is 0



## Question 26

Complete

Mark 0.00 out of

1.00

```
class Main
{
    {
        System.out.println("Bennett");
    }

    public Main()
    {
        System.out.println("University");
    }

    public static void main(String[] args)
    {
        System.out.println("Computer Science");
        Main a = new Main();
    }
}
```

Select one:

- ☐ a. Computer Science  
Bennett  
University
- ☐ b. Bennett  
Computer Science  
University
- ☐ c. Compilation error
- ☐ d. Computer Science
- ☒ e. Computer Science  
University  
Bennett

The correct answer is: Computer Science

Bennett

University



**Question 27**

Complete

Mark 0.00 out of

1.00

select the correct option, from the following statements?

1. Garbage collection is a process by which Java programs perform automatic memory management.
2. Objects are created on the heap(a portion of memory) dedicated to the program.
3. If any object is not needed in future, the garbage collector finds these unused objects and deletes them.

Select one:

- ☐ a. only statement 2 and 3 are correct
- ☒ b. All 3 statements are incorrect
- ☐ c. only statement 1 and 2 are correct
- ☐ d. all 3 statements are correct

The correct answer is: all 3 statements are correct



## Question 28

Complete

Mark 1.00 out of

1.00

```
public class Main
{
    {
        System.out.println("Bennett");
        id = 1001;
    }
    static
    {
        System.out.println("University");
        name = "CSE";
    }

    static String name;
    public Main(String name, int id)
    {
        System.out.println(3);
        this.name = name;
        this.id = id;
    }
    int id;
    {
        System.out.println("Greater");
        System.out.println(id);
    }
    static
    {
        System.out.println("Noida");
        System.out.println(name);
    }
    public static void main(String[] args)
    {
        System.out.println("India");
        Main a = new Main("ISHANT", 1111);
    }
}
```

Select one:

- ☐ a. India  
University  
Noida  
ISHANT  
Bennett  
Greater  
1111  
3
- ☐ b. University  
Noida  
ISHANT  
India  
Bennett  
Greater  
1111  
3
- ☒ c. University  
Noida





CSE

India

Bennett

Greater

1001

3

☐ d. India

University

Noida

ISHANT

Bennett

Greater

1001

3

☐ e. Noida

ISHANT

India

Bennett

Greater

1111

3

The correct answer is: University

Noida

CSE

India

Bennett

Greater

1001

3



**Question 29**

Complete

Mark 0.00 out of

1.00

```
class Conditional {  
    public static void main(String[] args)  
    {  
        if(0){  
            System.out.println("Bennett University");  
        }  
        else{  
            System.out.println("CSE");  
        }  
    }  
}
```

Select one:

- ☐ a. Bennett University CSE
- ☒ b. CSE
- ☐ c. Bennett University
- ☐ d. Compilation Error

The correct answer is: Compilation Error

**Question 30**

Complete

Mark 1.00 out of

1.00

```
class Loop {  
    public static void main(String[] args)  
    {  
        for ( int count = 0; count < 9; )  
            System.out.print( count + " " );  
        count++;  
        System.out.println( );  
    }  
}
```

Select one:

- ☐ a. 0 1 2 3 4 5 6 7 8
- ☐ b. 0 1 2 3 4 5 6 7 8 9
- ☒ c. Compilation Error
- ☐ d. Infinite loop

The correct answer is: Compilation Error

