



AUTUMN MID SEMESTER EXAMINATION-2016

WEB TECHNOLOGY

[IT-2002]

Full Marks: 25

Time: 2 Hours

*Answer any five questions including question No.1 which is compulsory.
The figures in the brackets indicate full marks.*

1. a.

```
class A{
    public static void main(int x){
        System.out.println("one argu");
    }
    public static void main(int x,int y){
        System.out.println("two int argu");
    }
    public static void main(boolean x){
        System.out.println(" bool argu");
    }
    public static void main(String T[]){
        main(1);
        main(2,3);
        main(false);
    }
}
```

What is the output of the following program?

b. Write the HTML code for the following output:

1. KIIT UNIVERSITY

A. School of Computer Engineering

I. CSE

II. IT

```
c. switch(x)
{
    default:
        System.out.println("Hello");
}
```

What are the two acceptable data types for x from byte, long, char, float, Short and Long?

```
d. public class Outer
    {
        public void someOuterMethod()
        {
            //Line 5
        }
    }
    public class Inner { }

    public static void main(String[] argv)
```

```

{
    Outer ot = new Outer();
    //Line 10
}
}

```

Which of the following code fragments when inserted, will allow the above code to compile?

- i. `new Inner()` //at line 5, ii. `new Inner()` //at line 10, iii. `new ot.Inner()` //at line 10, iv. `new Outer.Inner()` //at line 10

e. What is the syntax for creating an image hyperlink in HTML?

[1x5]

- 2.** Declare Prime as an interface having prime() as method in one package and declare Odd as another interface having odd() as method in same package. Define a class named Check in another package that implements both interfaces. Define another class named Design that extends the Check class to display the result.

[5]

- 3.** i. What do you mean by dynamic method dispatch? Explain with an example.

ii. Write a program in Java which will take an array of numbers (with repetitions) as input from the user, and the output will be an array of all the numbers excluding those numbers which have had repetitions.

[2.5+2.5]

- 4.** What are the features of Java? Describe any four.

[1+4]

- 5.** Design the web page using frames which will divide the page into three frames called top, left and right. The top frame will display the title of the web page. The left frame will have two hyperlinks, About Us and Joining Form. When the user clicks on "About Us", the details of KIIT University web page will be displayed in the right frame. (you do NOT need to create the KIIT webpage, assume it already exists). Similarly, when the user clicks on Joining Form, a form consisting of the following components will be displayed in the right frame: login (textfield), password, gender (radio button), choice of course (checkbox), choice of subjects (drop down menu), and comments (textarea).

[5]

- 6.** What is the difference between cell spacing and cell padding? Name any two HTML tags which do not come in pairs. Design the following table using HTML:

A		B
C	D	E
	F	

[1+1+3]

- 7.** Write short notes on (any two): i. Cascading style sheets ii. Abstract classes vs interfaces iii. Super and this keyword, iv. Method overloading and method overriding.

[2.5+2.5]

----- ALL THE BEST! -----