Question-1

```
class  A {
        int x;
        float y;
        char z;
        boolean b;
        String s;
    public static void main(String t[]){
        A a =new A();
        System.out.println(a.x);
        System.out.println(a.y);
        System.out.println(a.z);
        System.out.println(a.b);
        System.out.println(a.s);
    }
}
```

Question-2

```
class  A {
        int x;
        A(int y){
         x=y;
        }
     public static void main(String t[]){
         A a =new A();
         System.out.println(a.x);
         }
}
```

Question-3

```
class  A {
        int x;
        A(int x){
         x=x;
        }
     public static void main(String t[]){
         A a =new A(5);
         System.out.println(a.x);
         }
}
```

Question-4

```
class A {
    int x;
    A() {
      this(10);
      x=5;
    }
    A(int x) {
      this.x=x;
    }
    void show(){
     System.out.println("x="+x);
    }
         public static void main(String t[]){
        A a =new A( );
        System.out.println(a.x);
        }
}
```

Question-5

```
class A {
    int x;
    A() {
      x=5;
       this(10);
    }
    A(int x) {
      this.x=x;
    }
    void show(){
     System.out.println("x="+x);
    }
         public static void main(String t[]){
        A a =new A( );
        System.out.println(a.x);
        }
}
```

Question-6

```
class A {
    int x;
    A() {
      this(10);
    }
    A(int x) {
     this();
    }
    void show(){
     System.out.println("x="+x);
    }
         public static void main(String t[]){
        A a =new A( );
        System.out.println(a.x);
        }
}
```

Question-7

```
class  A {

       void  A(){
            System.out.println(“Hello”);
         }
     public static void main(String t[]){
          A a =new A();
          }
}
```

Question-8

Write down the output?

```
class ABC{
public static void main(String x[]){
int a1=Integer.parseInt(x[1]);
int a2=Integer.parseInt(x[2]);
int a3=Integer.parseInt(x[3]);
int a4=Integer.parseInt(x[4]);
System.out.println("a2="+a2);
}
}
```

And the command line arguments are as follows:

```
>java ABC 1 2 3 4
```

Question-9

Which of the following statements are legal in a class definition?

1. **final abstract void method1();**
2. **abstract void method2(){}**
3. **void method3(void);**
4. **final abstract void method4(){};**
5. **None of these**

Question-10

Which are legal array declarations?

1. **int [ ] myscores[ ];**
2. **char [ ] mychars;**
3. **int myscores[6];**
4. **Bike mybikes[ ];**
5. **Car mycars[7];**

Question-11

```
class  A {

    public static void main(String t[]){
            int z[] = {1,2,3,4};
           System.out.println(z.length);
            int [] m;
      System.out.println(m.length);
     int [] n[]= {{1,2,3,4},{1,2,3}};
      System.out.println(n[0].length);
      System.out.println(n[1].length);
     System.out.println(n.length);

        }
}
```

Question-12

```
class A  {
        A(){       }

        public   String toString(){
          return “D”;
       }
       public static void main(String x[]){
              A []p= new A[2];
                    int i;
              for (i=0; i<p.length; i++){
                          System.out.println(p[i])
              }

       }
}
```

Question-13

```
class A {
static {
    System.out.println(“1”);
    }
}
class B extends A{
static {
    System.out.println(“2”);
    }
}
class C extends B {
static {
    System.out.println(“3”);
    }
}
class Demo{
        public static void main(String x[]){
                C c= new C();
        }
}
```

Question-14

```
class A {
      static {
        System.out.println(“1”);  }
      A(){
      System.out.println(“2”);  }
}
class B extends A{
      static {
        System.out.println(“3”); }
      B(){
        System.out.println(“4”); }
 }
class C extends B {
      static {
        System.out.println(“5”); }
      C(){
        System.out.println(“6”); }
 }
class Demo{
          public static void main(String x[]){
                    C c= new C();
       }   }
```

Question-15

```
class A {
      int x=10;

}
class B extends A{
            int x=20;

}
class Demo{
       public static void main(String x[]){
           A a= new B();
           System.out.println(a.x);

       }
}
```

Question-16

```
class A {
      int x=10;
      void f1() {
            System.out.println(x);}
    }
class B extends A{
             int x=20;
       void f1() {
            System.out.println(x);}
}
class Demo{
        public static void main(String x[]){
            A a= new B(); System.out.println(a.x);
       a.f1();
        }
}
```

Question-17

```
class A {
      static {
        System.out.println(“1”);  }
      A(){
      System.out.println(“2”);  }
}
class B extends A{
      static {
        System.out.println(“3”); }
      B(){
        System.out.println(“4”); }
 }
class C extends B {
      static {
        System.out.println(“5”); }
      C(){
        System.out.println(“6”); }
 }
class Demo{
          public static void main(String x[]){
                    C c= new C();
       }   }
```

Question-18

```
class A{
        A() {
            System.out.println(“A”);
      }
}
 class B extends A{
        B() {
            System.out.println(“B”);
      }
}
class  Demo {
      public static void main(String z[ ]){
            B b = new B();
      }
}
```

Question-19

```
class A{
        A() {
            System.out.println(“A”);
      }
}
 class B extends A{
        B() {
            super();
            System.out.println(“B”);
      }
}
class  Demo {
      public static void main(String z[ ]){
            B b = new B();
      }
}
```

Question-20

```
class A{
        int x ;
          A() {
               x=10;
        }
}
 class B{
        int y;
          B() {
               y=20;
        }
}
class  Demo {
        public static void main(String z[ ]){
                B b = new B();
                System.out.println(b.x);
                 System.out.println(b.y);
        }
}
```

Question-21

```
class A{
        int x ;
          A() {
                x=10;
        }
}
 class B{
        int y;
          B() {
                super();
                y=20;
        }
}
class  Demo {
        public static void main(String z[ ]){
                B b = new B();
                System.out.println(b.x);
                 System.out.println(b.y);
        }
}
```

Question-22

```
class A{
        int x=30 ;
          A() {

        }
}
 class B{
        int y;
          B() {
               y=20;
        }
}
class  Demo {
        public static void main(String z[ ]){
                B b = new B();
                System.out.println(b.x);
                 System.out.println(b.y);
        }
}
```

Question-23

```
class A{
        int x=30 ;
          A() {
            x=10;
        }
}
 class B{
        int y;
          B() {
                y=20;
        }
}
class  Demo {
        public static void main(String z[ ]){
                B b = new B();
                System.out.println(b.x);
                 System.out.println(b.y);
        }
}
```

Question-24

```
class A{
        int x=30 ;
          A() {
            int x=10;
        }
}
 class B{
        int y;
          B() {
                y=20;
        }
}
class  Demo {
        public static void main(String z[ ]){
                B b = new B();
                System.out.println(b.x);
                 System.out.println(b.y);
        }
}
```

Question-25

```
class A{
        int x ;
          A() {
                x=10;        }

          A(int p){
        x=p;}
}
 class B{
        int y;
          B() {
                y=20;        }

           B(int p,int q){
                y=q;}
}
class  Demo {
        public static void main(String z[ ]){
                B b = new B(30,40);
                System.out.println(b.x);
                 System.out.println(b.y);
        }
}
```

Question-26

```
class A{
        int x ;
          A() {
                        }
          A(int p){x=p;}
}
 class B{
        int y;
          B() {
                y=20;                }
          B(int p,int q){
                y=q;}
}
class  Demo {
        public static void main(String z[ ]){
                B b = new B(30,40);
                System.out.println(b.x);
                 System.out.println(b.y);
        }
}
```

Question-27

```
class A{
        int x ;
         /* A() {
                        } */
          A(int p){x=p;}
}
 class B{
        int y;
          B() {
                y=20;                }
         B(int p,int q){
                y=q;}
}
class  Demo {
        public static void main(String z[ ]){
                B b = new B(30,40);
                System.out.println(b.x);
                 System.out.println(b.y);
        }
}
```