

Section – A

(Power Point)

- Q1. What is PowerPoint? How are PowerPoint files named?
 Q2. Describe the 4 different ways of creating a presentation? (2 lines each)
 Q3. Describe the 4 views of a presentation. Mention at least 1 distinct feature for each. (2 lines each)
 Q4. Give steps (Menu/Keys) for the following operations related to a presentation:
 Open, Save, Close, Run (Slide Show), Exit PowerPoint.
 Q5. Give steps (Menu/Keys) for the following operations related on a slide:
 Changing the background, Insert/Delete a new slide, Custom animation, Slide transition.

(Java)

I. Page 334 5 (Solved) Output questions

II. Page 346 MCQ Q1-8, Short answers 7, 10, 11, 12, 13, 14

III. Page 372 Predict the output Q1-4

IV. Page 400 MCQ 4, 10, predict the output 1-4.

V. Write Short notes on (2 points each)

- | | | |
|--|---|--|
| a) 2 Features of Java Pg 311 | b) Compiler & Interpreter Pg 312 | c) Bytecode & JVM Pg 313 |
| d) Tokens and its types (1 line and an example about each) Pg 323 onwards. | e) Implicit and Explicit Type Conversion Pg 328 | f) Prefix and Postfix increment and decrement operators Pg 333 |
| g) Relational and Logical operators Pg 335 | h) Ternary operator Pg 336 | i) Syntax and working of the following statements: if (359), switch (367), for(379), while(385), do-while(387) |
| j) Types of errors Pg 371 | | |

Section – B

- I. Page 361 onwards (to page 366), Solved Examples 1 to 10.
 Page 368, solved Example 1, Page 369 Solved Example 2
 Page 376, unsolved programming exercise, Use of if-else, Q1 to Q10.
- II. Page 388, Solved examples 1 to 10, 13, 14 and 16.
 Page 403, unsolved programming exercise, V-Java Programming, Q1 to Q7.

END

Page 346 MCQ Q1-8, Short answers 7, 10, 11, 12, 13,14

MCQ

1(b), 2(c), 3(b), 4(c), 5(b),

6(a),

$$5 * 10 + 11 / 2$$

$$50 + 5 = 55 = 55.0$$

7(c)

$$5 + 3 = 8$$

8(d)

$$P=8+7, p=15$$

$$q=-p, q=-15, q=-15$$

Q7. (a) 3, (b) 7

Q10. 59

$$A=9 + 40 + 9 = 58$$

Q11. (a) 30, (b) 25

Q12. (a) -22 (b) 8

$$2 - 3 * 8 = 2 - 24 = -22$$

$$2 * 4 \% 9 = 8 \% 9 = 8 \quad (\% * / = \text{whichever comes first is evaluated first})$$

Q13. a=11, b=12

Q14. 6

$$a += a++ - ++b + a$$

$$5 \quad 5 \quad - \quad 10 + 6$$

$$5 += 1$$

$$6$$

Page 372 Predict the output Q1-4

Q1. 50 0 (coz the condition is false)

Q2. (i) 2 2 (ii) 1 1

Q3. If the condition is true

5

If the condition is true

5.05

Q4.

(i) Object Oriented, Robust and secure

(ii) Wrong input

(iii) Platform independent

Page 400 MCQ 4, 10, predict the output 1-4.

MCQ Q4: b & c

6 8 10 12 14 16 18 20 22 24 26

3 6 9 12 15 18 21 24 27 30

0 1 2 3 4 5 6 7 8 9

Q10. 0 times

Predict the output

Q1. 0 2 4 6 8 10 (10 because it becomes 10 after testing the condition)

Q2. 60

```
int i=2, k=1;
while( ++i < 6 ) //3<6,4<6, 5<6, 6<6
{   k *= i; //k=1*3=3, k=3*4=12, k=12*5=60
    //means k=k*i;
}
System.out.println( k );
```

Q3. If the statement contains only the increment or the decrement operator, the prefix or postfix doesn't matter.

3 14

4 13

5 12

6 11

7 10

Q4. 2 Times (Output 10, 2)

Solutions page 403 onwards

//Q2

```
public class A
{   public static void main()
    {   for(int i=51; i<=501; i+=2)
        {   if( i%7==0 )
            {   System.out.println( i );
                }
            }
        }
    }
}
```

//Q3

```
import java.io.*;
public class A
{   public static void main()throws IOException
    {   BufferedReader br=new BufferedReader(new InputStreamReader(System.in));
        for(int i=1; i<=5; i++)//run the loop till 100
        {   System.out.println( "Enter a value" );
            int n=Integer.parseInt(br.readLine());
            if(n<0 && n%2==0)
            {   System.out.println(n+" was an even -ve num");
                }
            }
        }
    }
}
```

//Q4 - Series

```
public class A
{
    public static void main()
    {
        for(int i=1; i<=10; i++)
        {
            System.out.print( (i*i)+" " );
        }
        System.out.println();
        int num=1;
        int add=1;
        for(int i=1; i<=10; i++)
        {
            System.out.print( num+" " );
            num=num+add;
            add++;
        }
        System.out.println();
        /*
        num add
        1 1
        2 2
        4 3
        7 4
        11 5
        */
        for(int i=4; i<=2048; i=i*2)
        {
            System.out.print( i + " " );
        }
        System.out.println();
        for(int i=2; i<=11; i++)
        {
            System.out.print( (int)Math.pow(2,i) + " " );
        }
        System.out.println();
        for(double i=1.5; i<=15.0; i+=1.5)
        {
            System.out.print( i + " " );
        }
        System.out.println();
        // 1 8 27 (cubes)
        // 0 7 26
        for(int i=1; i<=10; i++)
        {
            System.out.print( (i*i*i)-1 + " " );
        }
        System.out.println();
        //1 3 5 7
        //1 9 25 49 (sq of odd nos)
        for(int i=1; i<=19; i+=2)
        {
            System.out.print( (i*i) + " " );
        }
        System.out.println();
        //2 4 6 8
        //4 16 36 64
```

```
    for(int i=2; i<=20; i+=2)
    { System.out.print( (i*i) + " " );
      }
    System.out.println();
    //1 2 3 4
    //0 3 8 15
    for(int i=1; i<=10; i++)
    { System.out.print( (i*i)-1 + " " );
      }
    System.out.println();
    //5 10 15 20
    //25 100 225 400
    //24 99 224 399
    for(int i=5; i<=50; i+=5)
    { System.out.print( (i*i)-1 + " " );
      }
    System.out.println();
    //1 2 3 4
    //2 5 10 17 sq+1
    for(int i=1; i<=10; i++)
    { System.out.print( (i*i)+1 + " " );
      }
    System.out.println();
  }
}
```

```
//Q5 - table
public class A
{ public static void main()
  {
    for(int i=1; i<=10; i++)
    { int p=5*i;
      System.out.println( 5 + " x " + i + " = " + p );
    }
  }
}
```

```
//Q6 - c to f
public class A
{ public static void main()
  {
    for(double c=10; c<=100; c+=10)
    { double f= c*9.0/5.0+32;
      System.out.println( "c="+c+", "+"f="+f );
    }
  }
}
```

```
//Q7
import java.io.*;
public class Q7
{   public static void main(String args[])throws IOException
    {   BufferedReader br=new BufferedReader(new InputStreamReader(System.in));
        System.out.println("Enter n");
        int n=Integer.parseInt(br.readLine());
        int s=0;
        for(int i=1; i<=n; i+=2)
        {   if(i%3==0 && i%5==0)
            {   s=s+i;
                }
            }
        System.out.println( "Sum of odd = "+s );
        s=0;
        for(int i=2; i<=n; i+=2)
        {   if(i%5!=0)//i%2==0 not reqd
            {   s=s+i;
                }
            }
        System.out.println( "Sum of even = "+s );
    }
}
```

END
