

# HALF YEARLY EXAMINATION, 2017-18

## COMPUTER SCIENCE & GENERAL STUDIES

Time - 3 hrs.

Class – XII (D, F, H)

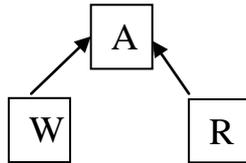
M.M. – 100

Name of the student \_\_\_\_\_ Section \_\_\_\_\_ Date-04.09.2017 (Monday)

### COMPUTER SCIENCE (50 marks)

Answer all the questions:

Q.1 Read the question carefully and answer the following:



In the given graphics Classes W and R are two **subclasses** of base class A. The members of class A have been defined in the following way.

#### Package One

```
Class A{
int P;
private char Q;
protected double R;
public String L;
}
class W extends A{

}

class C{
//another class defined in same package.
}
```

#### Package Two

```
class D{
//another class D defined in package two
}

class R extends A{

}

class F{
// another class F defined in package two.
}
```

Now answer the following questions:

- Class W can access ( Write the members name.) (1)
  - Class C can access (Write the members name.) (1)
  - Class R can access(write the members name.) (1)
  - Class F can access(write the members name.) (1)
- Q.2 Consider the following class declaration and answer the question (i) and (ii) (2)

```
class MyData{
    protected int data;
    void get_MyData(int);
    void Manip_data(int);
    void Show_data(int); }
```

```

class Mydata1 {
    protected int data1;
    void get_Mydate(int);
    void show_data(int); }
class person extends Mydata{
    void Show_data(void); }

```

(i) Name the derived class and base class.

(ii) List the data members and member methods inherited by the class person.

**Q.3** Give the definition of the following: (2)

(i) Class (ii) Object

**Q.4** What are access specifiers? Explain with suitable examples. (4)

**Q.5** Differentiate between static members and instance members. (2)

**Q.6** Class can be used to define user-defined data types. How? Explain with suitable example. (4)

**Q.7** How are protected members different from private members of a class? (4)

**Q.8** How does a class enforce information hiding? (3)

**Q.9** Define polymorphism with reference to Object Oriented Programming. (3)

**Q.10** What is friendly access of class members? (2)

**PRACTICAL ASSIGNMENT.** (20)

## GENERAL STUDIES (50 marks)

### Instructions :

- Attempt all the questions.
- Each question carries 5 marks.

**Q.1** How is the president of India elected?

**Q.2** Discuss about GST.

**Q.3** Do you think financial literacy in India is a must? Comment.

**Q.4** Explain importance of yoga.

**Q.5** Discuss about Swachh Bharat Abhiyan.

**Q.6** Discuss the effects of demonetization in Indian Economy.

**Q.7** Is China is big threat to India? Comment on it.

**Q.8** What are the official languages of UN? Discuss.

**Q.9** Discuss about the improvement of satellite system in India.

**Q.10** Discuss about the 'Skill India' programme.

