

SECTION – A

Q1. Choose the correct answer:

[1x 5=5]

i) An object has _____.

- a) attributes
- b) behaviour
- c) state
- d) all of these

ii) Name the feature depicted in the picture.

- a) encapsulation
- b) polymorphism
- c) inheritance
- d) abstraction



iii) What is an object in Java?

- a) A class template
- b) A function
- c) An instance of a class
- d) A primitive datatype

iv) Stand-alone Java applications-

- a) Need Java-compatible web browser
- b) need an assembler
- c) do not need Java-compatible web browser
- d) need a linker

v) What is the extension of a Java class file?

- a) .obj
- b) .java
- c) .class
- d) .BlueJ

Q2. Answer the following as directed:

[1+2+2=5]

- a. Given a package named Loyola, how can one get access to a class named Teachers contained in it.

b. Write the output:-

```
int k=50,j=5;
if(j%k==0)
if(j%5==0)
System.out.println(k/j);
else
System.out.println(k%j);
else
System.out.println(k+j);
```

c. Rewrite the following if structure without using logical operators:-

```
if((c=='A')&&(avg>90))
System.out.println("Grade-A");
```

SECTION B

[Program to be written using BlueJ]

Q3. Salesperson's of a company gets commission as per the table given below, apart from the salary determined :-

Sales amount	Commission for senior sales person	Commission for junior sales person
<=100000	5%	2%
100001-200000	7.5%	5%
200001-300000	9 %	6.5%
>300000	10 %	7.5%

Write a program to input salary, salesamount and type of sales person ('s'/'S' for senior and 'j'/'J' for junior). Calculate the commission and the total salary to be received which is salary+commission. Print all the variables. **[10]**

*****ALL THE BEST*****