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COURSE – MCA

SECTION – A

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Q2 –

Code:

Name - Abhirav Chauhan

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```
Q2:  abstract class Person {
     private String person-name;
     private int id;
     public abstract void setDetails (int id, String name,
     double salary, int joining Year);
     }

     class Employee extends Person {
     double salary;
     int joining Year;
     int id;
     String name;
     Employee (int id, String name, double salary, int joining
     Year) {
     set Details (id, name, salary, joining Year);
     }

     public void setDetails (int id, String name, double
     salary, int joining Year) {
     if (id <= 0) {

     }
     if (salary < 1000 || salary > 4000) {

     }
     if ( joining Year < 1994 || joining Year > 2021) {

     }
```

Abhirav

```java
this.id = id;
this.name = name;
this.salary = salary;
this.joiningYear = joiningYear;
}
  public void updateSalary (int years) {
  if (2021 - joiningYear > 10) {
  this salary = (15/100) x this.salary) + this.salary;
  } else if (2021 - joiningYear > 5) {
   this.salary = ((5/100) x this.salary) + this.salary;
  } else if (2021 - joiningYear > 3) {
   this salary = ((3/100) x this.salary) + this salary;
     }
   }
 }
  public class Main {
  public static void main (String[] args)
  {
  Employee emp = new Employee (1, "Ankit", 20,000, 2010);
  System.out.println (emp.id);
  System.out.println (emp.name);
  System.out.println (emp.salary);
  System.out.println (emp.joiningYear);
  }
 }
```

Abhinav.