

Roll number:

Full Marks: 20

1. For a pharmacy inventory management system, there are different categories of medicines. Under these categories, medicines have their own name and price. Quantities of these medicines are tracked and the inventory management system. During sale, the invoice of sale consists of the quantity of medicine sold, their names and price, customers mobile number and percent of discount given.

Use Django Framework to design Models for the above scenario.

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2. For the following model, answer the given questions:

```
class Entry(models.Model):
    blog = models.ForeignKey(Blog, on_delete=models.CASCADE)
    headline = models.CharField(max_length=255)
    body_text = models.TextField()
    pub_date = models.DateField()
    mod_date = models.DateField(default=date.today)
    authors = models.ManyToManyField(Author)
    number_of_comments = models.IntegerField(default=0)
    number_of_pingbacks = models.IntegerField(default=0)
    rating = models.IntegerField(default=5)
```

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|---|---|
| a. Find all entries                                       | 2 |
| b. Find entries whose ratings are equal to or more than 4 | 2 |
| c. Find entries whose body_text contains "tasty"          | 2 |
| d. Find entries whose headline starts with "Amazing"      | 2 |
| e. Find entries whose modification date is before 2019    | 2 |