1. The median class for the given distribution is:

Class Interval	Frequency
0-10	2
10-20	4
20-30	3
30-40	5

(a) $0 - 10$

(b) $10 - 20$

(c) $20 - 30$

(d) $30 - 40$

2. The modal class of a given distribution always corresponds to the:

(a) interval with highest frequency

(b) interval with lowest frequency

(c) the first interval

(d) the last interval

3. Calculate the mean of the following frequency distribution.

Class Interval	Frequency
5-15	2
15-25	6
25-35	4
35-45	8
45-55	4

4. Marks obtained by 100 students in an examination are given below.

Marks	No. of students
0-10	5
10-20	15
20-30	20
30-40	28
40-50	20
50-60	12

Draw a histogram for the given data using a graph paper and find the mode. Take $2cm = 10$ marks along one axis and $2cm = 10$ students along the other axis.

5. The mean of the following distribution is 50. Find the unknown frequency.

Class Interval	Frequency
0-20	6
20-40	f
40-60	8
60-80	12
80-100	8

6. Marks obtained by 40 students in an examination are given below.

Marks	No. of students
10-20	3
20-30	8
30-40	14
40-50	9
50-60	4
60-70	2

Using graph paper draw an ogive and estimate the median marks. Take $2cm = 10$ marks along one axis and $2cm = 5$ students along the other axis.