

1. The class marks of a frequency distribution are given as follows :

15, 20, 25,...

The class corresponding to the class mark 20 is :

- (a) 12.5 – 17.5 (b) 17.5 – 22.5 (c) 18.5 – 21.5 (d) 19.5 – 20.5

2. To draw a histogram to represent the following frequency distribution :

Class interval	5 – 10	10 – 15	15 – 25	25 – 45	45 – 75
Frequency	6	12	10	8	15

the adjusted frequency for the class 25 – 45 is :

- (a) 6 (b) 5 (c) 3 (d) 2

3. For drawing a frequency polygon of a continuous frequency distribution, we plot the points whose ordinates are the frequency of the respective classes and abscissae are respectively :

- (a) upper limits of the classes (b) lower limits of the classes
(c) class marks of the classes (d) upper limits of preceding classes

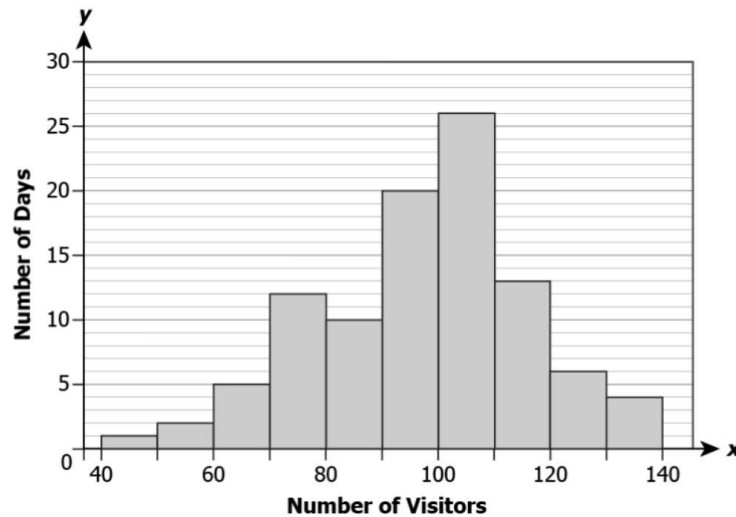
4. Statement A (Assertion): To construct a frequency polygon of a continuous frequency distribution, we plot the points whose abscissae are the lower limits of classes and ordinates are the frequency of the respective classes.

Statement R (Reason): Frequency polygons can be drawn independently without drawing histograms.

- (a) Both assertion (A) and reason (R) are true and reason (R) is the correct explanation of assertion (A)
(b) Both assertion (A) and reason (R) are true and reason (R) is not the correct explanation of assertion (A)
(c) Assertion (A) is true but reason (R) is false.
(d) Assertion (A) is false but reason (R) is true.

5. CASE STUDY BASED:

The students of a school visited the famous historic National Museum in New Delhi. They collected the number of visitors in the museum on different number of days.



The histogram below shows the number of visitors in a museum on different number of days. The histogram below shows the number of visitors in a museum on different number of days. Read the given histogram and answer the following questions:

- (i) For how many days there were about 60 – 70 visitors at the museum?
- (ii) For how many days there were less than 70 visitors at the museum?
- (iii) For how many days there were more than 70 visitors at the museum?
- (iv) How many visitors visited the museum for maximum number of days?

6. Draw a histogram representing the following frequency distribution.

Marks	0 – 10	10 – 20	20 – 30	30 – 40	40 – 50	50 – 60
No. of students	3	5	8	10	7	2

7. Construct a histogram and frequency polygon for the following data :

Monthly school fee in Rs.	600 – 800	800 – 1000	1000 – 1200	1200 – 1400	1400 – 1600	1600 – 1800
No. of schools	5	12	14	18	10	9

8. The following table gives the distribution of 60 students according to marks obtained by them.

Marks	0 – 10	10 – 20	20 – 30	30 – 40	40 – 50	50 – 60
Frequency	3	9	18	16	12	2

Draw the frequency polygon for the above data.

9. The daily earning of 30 workers are given below :

Daily earning (in Rupees)	0 – 50	50 – 100	100 – 200	200 – 300	300 – 350	350 – 400
No. of workers	3	7	10	6	2	2

Draw a histogram for the above data.

10. Draw a histogram to represent the following grouped frequency distribution:

Age (in years)	Number of teachers
20 – 24	10
25 – 29	28
30 – 34	32
35 – 39	48
40 – 44	50
45 – 49	35
50 – 54	12