

## Question Bank

### 1. CHOOSE THE CORRECT OPTION.

a. The sum of the observations divided by the number of observations gives the:

- i. frequency      ii. mean  
iii. range      iv. class interval

b. What is the mean of the first five natural numbers?

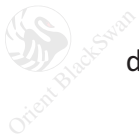
- i. 2      ii. 3  
iii. 4      iv. 5

c. What is the range of the first five natural numbers?

- i. 2      ii. 3  
iii. 4      iv. 5

d. The survey of some people showed that half of them drank tea. The sector angle of tea drinkers in a pie chart will be:

- i.  $60^\circ$       ii.  $90^\circ$   
iii.  $180^\circ$       iv.  $270^\circ$



e. In a study the observations were 62, 60, 58, 60, 61, 62, 62, 59, 62, 60. What is the frequency of 62?

- i. 1                      ii. 2  
iii. 4                     iv. 5

**2. THE MARKS OF 25 STUDENTS IN MATHS ARE AS FOLLOWS. FIND THE MAXIMUM MARK, THE MINIMUM MARK, THE RANGE AND THE ARITHMETIC MEAN:**

32, 89, 76, 36, 48, 66, 45, 36, 40, 80, 87, 100, 68, 96, 56, 67, 77, 47, 54, 85, 90, 65, 67, 58, 60

**3. FOR THE FOLLOWING DATA, DRAW FREQUENCY TABLES WITH APPROPRIATE CLASS INTERVALS.**

- a. The maximum temperature in 30 cities on a day (in °C): 33.4, 32.3, 37.0, 37.1, 34.1, 30.6, 32.6, 34.8, 34.6, 31.2, 32.6, 32.2, 30.5, 32.9, 30.8, 32.0, 33.3, 37.5, 36.4, 37.2, 32.3, 32.4, 33.9, 31.8, 32.8, 33.7, 30.9, 33.5, 32.7, 35.8
- b. The number of phone calls made by 50 people on a day: 3, 5, 8, 2, 1, 7, 4, 9, 1, 4, 2, 1, 1, 6, 4, 5, 10, 2, 1, 6, 7, 8, 2, 4, 3, 5, 3, 10, 4, 3, 1, 2, 5, 7, 1, 6, 8, 2, 5, 4, 3, 8, 7, 9, 1, 6, 9, 1, 2, 4
- c. The number of units of electricity consumed by 40 houses in a street in a month: 402, 440, 456, 482, 496, 412, 520, 436, 395, 401, 410, 380, 475, 432, 485, 492, 415, 412, 408, 390, 512, 450, 470, 480, 476, 410, 420, 428, 435, 452, 457, 420, 410, 453, 440, 448, 470, 465, 460, 506

**4. MAKE FREQUENCY TABLE AND DRAW HISTOGRAM FOR THE FOLLOWING DATA.**

- a. The amount of milk bought by 30 families in a week is as follows (in litres): 14, 21, 18, 28, 35, 15, 38, 27, 16, 21, 28, 32, 30, 18, 23, 14, 36, 20, 14, 28, 26, 36, 19, 22, 21, 24, 17, 34, 18, 21.
- b. The runs scored by a cricket team in 20 one-day matches: 286, 312, 260, 254, 220, 245, 290, 305, 214, 238, 257, 240, 268, 272, 275, 288, 270, 259, 267, 290.

**5. DRAW A PIE CHART FOR THE FOLLOWING DATA.**

A survey was conducted among 500 sports lovers in a city on their favourite sport. The result of the survey was as follows. Complete the table and draw a pie chart.

Sport	No. of people	Degrees out of 360	Percentage
Cricket	200		
Football	100		
Tennis	100		
Hockey	60		
Basket ball	40		
Total	500		