

Q.1 Multiple Choice Questions **1**

- 1 For a frequency distribution, $A = 37$, $\bar{d} = -2.23$ then $\bar{x} = ?$
a. 34.31 b. 34.77 c. 34.25 d. 34.75

Q.2 Answer the following **2**

- 1 Prepare a frequency table from the following distribution table:

Class	0 - 10	10 - 20	20 - 30	30 - 40	40 - 50
c.f. (less than type)	3	10	20	28	30

- 2 For the frequency distribution of marks scored by a student, $A = 57$, $\Sigma f_i = 80$ and $\Sigma f_i d_i = 240$. Find the mean marks.

Q.3 Solve the following(Any Two) **6**

- 1 Draw a pie diagram to represent the world population of countries given in the following table after determining the valued of

Country	India	China	Russia	USA	Other	Total
Percentage of population	15	20	a	a	25	100

- 2 The following table shows the investment made by some families. Show the information by a histogram.

Investment (Thousand Rupees)	10-15	15-20	20-25	25-30	30-35
No. of families	30	50	60	55	15

- 3 Draw a pie diagram to represent the following information :

Item	Bread	Fruit bread	Biscuits	Cakes
Sale (in Rs.)	200	120	60	100

- 4 The following table shows the weight (in kg) of 100 persons. Find the modal weight of a person.

Weight (in kg)	40 - 45	45 - 50	50 - 55	55 - 60	60 - 65
Number of persons	12	24	40	16	8

Q.4 Answer the following (Non textual)(Any Two) **8**

- 1 Represent the following data using a histogram

Height of students (in cm)	140 - 144	145 - 149	150 - 154	155 - 159
Number of students	2	12	10	4

- 2 Automatic filling machine was tested for its performance A sample 100 filled packets generated the data, Which is classified as follows and Draw histogram.

Weight (in gm)	485-490	490-495	495-500	500-505	505-510	510-515
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No. of Packets	12	18	20	22	24	4
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- 3 The following data summarizes the results of a certain examination.

Class-marks	5	15	25	35	45	55	65	75
No. of Students	0	2	16	36	27	11	8	0

- Prepare usual distribution table.
- Draw histogram.

- 4 The following table is based on the marks of the first term examination of 10th class students. Show the information by a histogram. Also, draw a frequency polygon with the help of the histogram.

Class-mark of marks	325	375	425	475	525	575
No. of students	25	35	45	40	32	20

Q.5 Creative questions

3

- 1 Medical check up of 180 women was conducted in a health centre in a village. 50 of them were short of hemoglobin, 10 suffered from cataract and 25 had respiratory disorders. The remaining women were healthy. Show the information by a pie diagram.

YOUR FLIGHT , OUR WINGS .

KIRAN TUTORIALS