EduSahara™ Assignment

Name : Mode of Grouped Data

Chapter : Statistics

Grade : SSC Grade X

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1. The following table shows the weights of 101 persons in a group. Find the mode weight.

Weight (in kg)	10 - 18	19 - 27	28 - 36	37 - 45	46 - 54	55 - 63	64 - 72	73 - 81
No. of persons	14	10	8	18	7	17	8	19

(i) $\frac{381}{5}$ kg (ii) $\frac{389}{5}$ kg (iii) $\frac{379}{5}$ kg (iv) $\frac{384}{5}$ kg (v) 76 kg

2. The following table shows the weights of 101 persons in a group. Find the mode weight.

Weight (in kg)	20 - 26	26 - 32	32 - 38	38 - 44	44 - 50	50 - 56	56 - 62	62 - 68
No. of persons	12	20	7	16	6	11	20	9

(i) $\frac{199}{7}$ kg (ii) $\frac{200}{7}$ kg (iii) $\frac{205}{7}$ kg (iv) $\frac{198}{7}$ kg (v) $\frac{212}{7}$ kg

3. The daily wages of 142 workers in a factory are given below. Find the mode wage.

Wage (in rupees)	20 - 28	29 - 37	38 - 46	47 - 55	56 - 64	65 - 73	74 - 82	83 - 91
No. of workers	27	29	11	18	8	27	12	10

(i) ₹29.60 (ii) ₹29.40 (iii) ₹31.40 (iv) ₹29.80 (v) ₹30.40

4. The daily wages of 95 workers in a factory are given below. Find the mode wage.

Wage (in rupees)	20 - 27	27 - 34	34 - 41	41 - 48	48 - 55	55 - 62	62 - 69
No. of workers	13	6	29	19	15	7	6

(i) ₹38.94 (ii) ₹39.88 (iii) ₹38.88 (iv) ₹38.91 (v) ₹40.88

5. A frequency distribution table is given below. Find the mode .

Class-Interval	17 - 26	27 - 36	37 - 46	47 - 56	57 - 66
Frequency	34	3	39	23	19

(i) $\frac{1129}{26}$ (ii) $\frac{565}{13}$ (iii) $\frac{87}{2}$ (iv) $\frac{1181}{26}$ (v) $\frac{1155}{26}$

6. A frequency distribution table is given below. Find the mode .

Class-Interval	11 - 21	21 - 31	31 - 41	41 - 51	51 - 61	61 - 71	71 - 81	81 - 91
Frequency	5	44	19	33	12	17	7	32

(i) $\frac{931}{32}$ (ii) $\frac{867}{32}$ (iii) $\frac{899}{32}$ (iv) $\frac{217}{8}$ (v) $\frac{869}{32}$

7. The following frequency distribution table gives the monthly consumption of electricity of 103 consumers in a locality. Find the mode units.

Monthly consumption (in units)	72 - 92	92 - 112	112 - 132	132 - 152	152 - 172	172 - 192	192 - 212
No. of consumers	18	14	5	14	18	18	16

(i) $\frac{994}{11}$ units (ii) $\frac{973}{11}$ units (iii) $\frac{974}{11}$ units (iv) $\frac{983}{11}$ units (v) $\frac{972}{11}$ units

Assignment Key

1) (iii)	2) (iv)	3) (ii)	4) (iii)	5) (i)	6) (ii)
7) (v)					

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