

Statistical Analysis and Measures of Central Tendency-3

Model Exam Question paper - 3

11th Standard

Economics

Reg.No. :

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I. Answer all the questions

Time : 01:05:00 Hrs

Total Marks : 50

Part-A

3 x 2 = 6

- 1) Write a note on graphs and diagrams.
- 2) What is Mode?
- 3) 10 persons have the following income.
Rs. 1000, 850, 650, 780, 1000, 980, 1000, 850, 700, 900
Calculation Mode.

Part-B

3 x 3 = 9

- 4) Distinguish between classification and tabulation.
- 5) Explain rules of tabulation.
- 6) Distinguish between graphs and diagrams.

Part-C

7 x 5 = 35

- 7) Construct a pie diagram with the given data below:

Items of Expenditure	Food	Rent	Clothing	Fuel	Education	Misc.
Percentage	60%	12%	8%	8%	6%	6%

- 8) Calculate the average daily earning (Rs) for all employees.

Daily earnings	90-110	110-130	130-150	150-170	170-190	190-210	210-230
No. of Employees	3	6	10	14	24	42	75

- 9) Calculate Mean, Median and Mode for the following

Marks	0-20	20-40	40-60	60-80	80-100
Frequency	10	24	36	20	10

- 10) What is classification? Explain the types of classification.
- 11) Represent the following data through a sub-divided bar diagram.

Year	Number of students			Total
	B.A.	B.Sc.	B.Com.	
2001	600	300	100	1000
2002	800	500	200	1500
2003	1100	600	300	2000
2004	1400	750	350	2500
2005	1300	800	300	2400
2006	1000	900	300	2200

- 12) Comment on the performance of the students of the two universities given below using sample and weighted arithmetic average.

University	Chennai		Madurai	
	Percentage of pass	Number of students	Percentage of pass	Number of students
MA	71	3	82	2
M.Com.	83	4	76	3
M.Sc.	66	3	60	7
B.A.	73	5	73	6
B.Sc.	65	3	65	3
B.Com.	74	2	76	7

- 13) Calculate Median from the following table.

Marks	0-20	20-40	40-60	60-80	80-100
Frequency	10	24	36	20	10
