CLASS XI
SAMPLE PAPER
ECONOMICS

Time allowed: 3 hours   *Maximum Marks: 100*

General instructions:

(i)   All questions in both the sections are compulsory,

(ii)   Marks for questions are indicated against each.

(iii)   Questions carrying **1** mark for each part are required to be answered in one sentence each.

(iv)   Questions carrying **3** marks are required to be answered in not more than **60** words each.

(v)   Questions carrying **4** marks are required to be answered in not more than **70** words each.

(vi)   Questions carrying **6** marks each are required to be answered in not more than **100** words each.

(vii)   Answers should be brief and to the point and the above word limits should be adhered to as far as possible.

(viii)   All parts of a question should be answered at one place.

Section - A (Statistics 75 Marks)

1. Define Raw data.   1
2. The largest value of the series is 108 and the smallest value is 29. Calculate its range. 1
3. What do you mean by exclusive series?   1
4. What is meant by measures of central tendency?   1
5. What is the meaning of Wholesale Price Index?   1
6. Give welfare definition of Economics.   1
7. Give the formula of "Weighted Mean".   1
8. Explain Qualitative data and Quantitative data.   1
9. Prepare a pie diagram to represent the following data: 3

Items	**Percentage of income spent**
Food and clothing	60

Housing   15

Fuel and others   25

10. Construct a histogram for the following data: 3

Midvalue	5	10	15	20	25	30
Frequency	3	5	8	10	6	4

11. Draw Scatter diagram showing perfect positive correlation and zero correlation.   3
12. Prepare a frequency array of marks obtained by 20 students of a class in economics test:
                                                                                 3

20, 15, 30, 20, 40, 25, 25, 30, 40, 20, 35, 35, 50, 15, 50, 25, 40, 40, 30, 50.

13. Find Karl Pearson's coefficient of correlation between X and Y series by short cut method taking middle term as assumed mean from the following data: 4

X	10	12	8	15	20	25	40
Y	15	10	6	25	16	12	8

14. Calculate inter quartile range and its coefficient from the following data: 4

Midpoints	5	15	25	35	45
No. of students	4	3	6	5	2

15. Calculate standard deviation by using actual mean method for the following data:4

Midpoints	5	15	25	35	45
No. of students	4	3	6	5	2

16. Calculate mean by short cut method taking middle term as assumed mean from the following data: 4

Marks more than	0	10	20	30	40	50	60
No. of students	40	38	33	25	15	7	5

17. Find the missing frequency in the following distribution if N = 100 M =30.   5

Marks	0-10	10-20	20-30	30-40	40-50	50-60
No. of students	10	?	25	30	?	10

18. An enquiry into the budgets of middle class families in a certain city gave the following information: 5

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Expenses on	Food 35%	Fuel 10%	Clothing 20%	Rent 15%	Misc. 20%
Prices (2004)	1500	250	750	300	400
Prices (1995)	1400	200	500	200	250

What is the cost of living index of 2004 as compared with 1995?

19. Calculate Mean Deviation from mean and its coefficient: 5

Class Interval	2-4	4-6	6-8	8-10
Frequencies	3	4	2	1

20. Calculate mode by grouping table method.   6

C.I	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80
F	15	20	25	24	12	31	71	52

21. A batsman is to be selected for a cricket team. The choice is between X and Y on the basis of their five previous scores which are: 6

X	25	85	40	80	120
Y	50	70	65	45	80

Which batsman is more consistent in the team?

OR

Describe different types of dispersion.

22. Find the coefficient of rank correlation: 6

X	25	45	35	40	15	19	35	42
Y	55	60	30	35	40	42	36	48

OR

Explain different types of correlation.

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23. For the data given compute index number by: i) Laspere's Method, (ii) Pasche's method, and (iii) Fisher's ideal method: 6

Commodity	Price 2001	Quantity 2001	Price 2010	Quantity 2010
A	10	30	12	50
B	8	15	10	25
C	6	20	6	30
D	4	10	6	20

Section – B (25 Marks)

24. What do you mean by Liberalization? 1
25. Why did India opt for planning? 1
26. What are the major central problems of an economy? 3
27. Describe any four achievements of green revolution. 4
28. Mention any five arguments in favour of privatisation. 5
29. Critically evaluate the industrial development during the period of 1950 to 1990. 5
30. Give a quantitative appraisal of India's demographic profile on the eve of Independence. 6

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