

ECONOMICS

CLASS-11 C-ECONOMICS(UNSOLVED)

General Instructions

- There are 34 questions. All questions are compulsory. Internal choices should be considered, where indicated.
- Question Nos. 1 to 10 and 18 to 27 are multiple choice/very short answer type questions of 1 mark each. They are required to be answered in one sentence.
- Question Nos. 11 to 12 and 28 to 29 are short answer-I type questions of 3 marks each. Answer to these questions should not exceed 60 words each.
- Question Nos. 13 to 15 and 30 to 32 are short answer-II type questions of 4 marks each. Answer to these questions should not exceed 70 words each.
- Question Nos. 16 to 17 and 33 to 34 are long answer questions of 6 marks each. Answer to these questions should not exceed 100 words each.

Time : 3 hours

Max. Marks : 80

PART A

1. Data represented through a histogram can help in finding graphically the (1)
(a) mean (b) mode (c) median (d) None of these
2. If 25% of the items are less than 20 and 25% are more than 40, then the quartile deviation is (1)
(a) 20 (b) 30 (c) 40 (d) 10
3. A graph which is based on time period is (1)
(a) frequency graph (b) bar graph (c) time series graph (d) histogram
4. Airtel, the leading mobile network provider in the country, has prepared a table which shows the number of towers of the company in different states. Name the table prepared by the company and identify the value communicated by the company. (1)
or VV Ltd. in advertisement shows that its market share is 55% in a particular sector which in reality is just 32%. Identify the limitation of diagrammatic presentation and identify the value violated by VV Ltd. (1)
5. Goods which are directly consumed by the consumer are known as (1)
(a) final goods (b) intermediate goods
(c) capital goods (d) None of these
- or Can a single value be called statistics? (1)
(a) No (b) Yes (c) May be (d) None of these
6. What does a high value of 'r' indicate? (1)

7. Why is mean deviation not computed from mode?
 8. Can coefficient of correlation be 1.98?
 9. Find the value of arithmetic mean from the following continuous series.

Marks	Number of Students
0-10	8
10-20	2

- (a) 6 (b) 7 (c) 8.5 (d) 9

10. Is statistics a solution of our problems or means to indicate problems?
 11. 60 students of section A of class XI, obtained 40 mean marks in Statistics, 40 students of section B obtained 35 mean marks in Statistics. Find out mean marks in Statistics for class XI as a whole.

Ans. 38 marks

12. The following table gives the distribution of daily income of 60 families. Calculate the arithmetic mean

Daily Income (₹)	Below 75	75-150	150-225	225-300	300-375	375-450	450 and above
Number of Families	6	17	20	6	5	4	2

Ans. ₹ 196.25

or Compute the median from the following data

Marks	40	41	42	43	44	45	46	47
Number of Students	2	3	7	8	10	12	14	16

Ans. $M = 42$

13. Differentiate between economic activity and non-economic activity.

14. In a dance competition, two judges accorded following ranks to 10 participants

Judge R	1	2	3	4	5	6	7	8	9	10
Judge S	10	6	5	4	7	9	8	2	1	3

Calculate coefficient of rank correlation.

Ans. $r_k = -0.6$

15. Calculate the median of the following frequency distribution

Class Interval	10-20	20-40	40-70	70-120	120-200
Frequency	4	10	26	8	2

Ans. Median = 52.7

or From the following data of the ages of different persons, determine the modal age

Age (in years)	10-20	20-30	30-40	40-50	50-60	60-70	70-80
Number of Persons	4	26	32	10	9	6	3

Ans. Modal Age = 32.14 year

16. Draw a Lorenz curve from the data given below

Income	100	200	400	500	800
Number of Persons	80	70	50	30	20

17. Percentage of export is shown in the following table. Prepare a pie-diagram to show the distribution of exports. (6)

Country	Export in (%)
USA	25
Japan	15
UK	30
China	20
Others	10

or Present the following information in a suitable tabular form.

- (i) In 2005, the number of workers in the trade union was 3450 of which 3200 were men. The number of non-union workers was 760 of which 330 were women.
- (ii) In 2006, out of a total 4000 workers in a factory, 3300 were members of a trade union. The number of women workers employed was 500 out of which 400 did not belong to any trade union. (6)

PART B

18. Demand for sugar will be (1)
 (a) elastic (b) highly elastic (c) inelastic (d) highly inelastic
19. In free market economy, the allocation of resources is determined by (1)
 (a) votes by consumers (b) central planning authority
 (c) consumer preference (d) motive of profit maximisation
- or Which of these economy faces central economic problems? (1)
 (a) Market economy (b) Mixed economy
 (c) Socialist economy (d) All of these
20. Define marginal utility. (1)
 or What do you understand by budget line? (1)
21. Suggest any one economic measure by which the government can promote the consumption of 'Khadi'. (1)
22. Which of the following is the cause of increase in supply? (1)
 (a) Out-dated technology (b) Increase in price of substitute goods
 (c) Increase in price of production factor (d) Increase in price of complementary goods
23. What effect does an increase in input price have on the supply curve? (1)
24. Name the characteristic which makes monopolistic competition different from perfect competition. (1)
25. Sum total of all quantities supplied by all sellers refers to (1)
 (a) market demand (b) combined supply
 (c) market supply (d) direct supply
26. If increase in production of a commodity causes a substantial increase in cost of production then supply will be (1)
 (a) less elastic (b) more elastic
 (c) unit elastic (d) perfectly inelastic
27. What is the relationship between support price and equilibrium price? (1)

28. Growth and equity are often confronted as conflicting issues while addressing the problem of 'how to produce'. Explain. (3)
29. "Slope of indifference curve is falling in general, however slope of transformation curve is rising." Justify the given statement. (3)
- or Law of diminishing marginal utility does not hold true in case of money and knowledge. Do you agree? Justify. (3)
30. "Even high price of electricity has failed to reduce it's demand."
The given statement is a newspaper headline. Keeping in mind the law of demand and elasticity of demand, answer the following questions
(i) Why even after the rise in price of electricity the demand has not fallen? Give two reasons.
(ii) Mention any one way through which we can save power.
(iii) What value is reflected in the above situation? (4)
31. Explain the conditions of producer's equilibrium with the help of a numerical example. (4)
- or Draw the diagrams of total revenue, average revenue and marginal revenue. (4)
32. Why is a firm under perfect competition a price taker and under monopolistic competition a price maker? Explain briefly. (4)
- or Giving reasons, distinguish between the behaviour of demand curve of firms under perfect competition and monopolistic competition. (4)
33. Define an indifference map. Explain why an indifference curve to the right shows higher utility level. (5)
- or Explain consumer's equilibrium in case of single commodity, through the utility approach. (5)
34. Explain law of variable proportion. Use appropriate schedule and diagram. (5)