

O. P. JINDAL SCHOOL, SAVITRI NAGAR
Half Yearly Examination- (2023 – 2024)

Class: XI

MM: 80

Subject: Economics (030)

Time: 3Hrs.

(Fifteen Minutes Extra will be given for reading the Question Paper.)

General Instructions:

- i. All questions are compulsory. However, there is internal choice in some questions.
- ii. Marks for questions are indicated against each question.
- iii. Question No.1-10 and Question No.20 to 29 are very short answer questions carrying 1 mark each.
- iv. Question No.11-12 and Question No.30 -31 are short answer questions carrying 3 marks each.
- v. Question No.13-17 and Question No. 32 are also short answer questions carrying 4 marks each. .
- vi. Question No.18-19 and 33-34 are long answer questions carrying 6 marks each.

Section A (Statistics for Economics)

1. A frequency distribution is a comprehensive way to classify _____ data of a quantitative Variable. (1)
(a) meaningful (b) financial
(c) economical (d) raw
2. Daily pocket money of five students of class XI are as follows : 20,25,40,45,60.
What will be the range of the data? (1)
(a) 40 (b) 25
(c) 30 (d) 60
3. Frequency polygon is an alternative to _____ and it is also derived from _____. (1)
(a) bar diagram, histogram (b) histogram, bar diagram
(c) histogram, histogram (d) ogive, histogram

4. Where should the “source” mentioned in the table? (1)

5. Stubs are the _____ of the rows? (1)

- (a) parts (b) designation
(c) tools (d) all of these

6. Assertion (A) Statistical results are correct only on an average and not always.

Reason (R) Statistics which is applicable on one, may not be applicable to whole. (1)

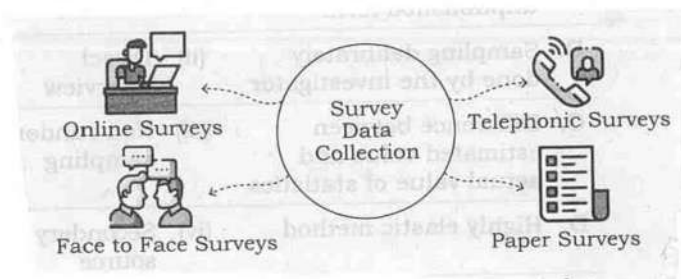
Alternatives

- (a) Both (A) & (R) both are true and (R) is correct explanation of (A).
(b) Both (A) & (R) both are true and (R) is not correct explanation of (A).
(c) (A) is true but (R) is false.
(d) (A) is false but (R) is true.

7. Which of the following activities can be considered as economic activities? (1)

- (a) Production (b) Investment
(c) Consumption (d) All of the above

8. Which types of data collection method is shown in the image below? (1)



- (a) First hand data (b) Second hand data
(c) Primary data (d) Both (a) and (c)

9. Vandana wants to find the average height of 4 of his friends. Which source of data Collection would be suitable for him? (1)

- (a) Internal source (b) External source
(c) Primary Data (d) Secondary data

10. Statement 1: In a percentage bar diagram, all the bars are of same height.
Statement 2: Percentage bar diagram is a two- dimensional diagram. (1)

- (a) Both the statements are true.
(b) Both the statements are false
(c) Statement 1 is true & Statement 2 is false.
(d) Statement 2 is true & Statement 1 is false.

11. "Today nearly every decision in business is made with the help of statistical data and Statistical methods." Discuss with the help of an example.

Or

"The subject matter of statistics could be studied through descriptive method or through Inferential method" Elaborate with the help of an example. (3)

12. Mailed questionnaire method is a method in which a list of questions pertaining to the survey known as questionnaire is prepared and sent to the various informants by post. The questionnaire contains questions and provides space for answers. A request is made to the informant through a covering letter to fill up the questionnaire and sent it back within a specific time. The success of this method depends upon the skills with which the questionnaire is drafted and the extent to which willing cooperation of the informants is secured.

(a) State any two characteristics of good questionnaire. (2)

(b) State whether mailing a questionnaire will come under primary or secondary data? (1)

13. Draw a less than ogive curve on the basis of the given data: (4)

Marks	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40
No. of Students	3	10	20	30	20	9	5	3

14. Draw pie diagram to represent the following information of expenditure by a family: (4)

Items of Expenditure	Food	Education	Housing	Clothing	Miscellaneous
% age of total expenditure	60	15	10	10	5

15. Average marks of 25 students of section A of class XI is 75 and average marks of 20 students of section B of class XI is 80. Find out the average marks of class XI. (4)

16. Differentiate between Geographical and chronological classification. (4)

Or

Define classification. Explain any three chief characteristics of a good classification.

17. "An investigator should be careful while using secondary data". Elaborate it. (4)

Or

The Ministry of Education is interested in determining the level of education of unmarried girls in the country. How would you organized a survey for this purpose?

18. Find the missing frequency of a group 20-30, if it is given that $M = 28$. (6)

Class interval	0-10	10-20	20-30	30-40	40-50
Frequency	5	8	?	16	6

19. Determine the value of mode graphically. Also verify the results: (6)

Mid Value	5	15	25	35	45	55	65
No. of students	4	8	14	22	18	12	6

Or

The following series related to the daily income of workers employed in a firm. Compute

- Highest income of lowest 50 % worker.
- Minimum income earned by the top 25% workers.
- Maximum income earned by lowest 25% workers.

Daily Income (in Rs.)	10-14	15-19	20-24	25-29	30-34	35-39
Number of workers	5	10	15	20	10	5

Section B (Micro Economics)

20. Production possibility frontier is convex to origin due to _____. (1)

- decreasing MRT
- increasing MRT
- constant MRT
- zero MRT

21. Budget line cannot shift right _____. (1)

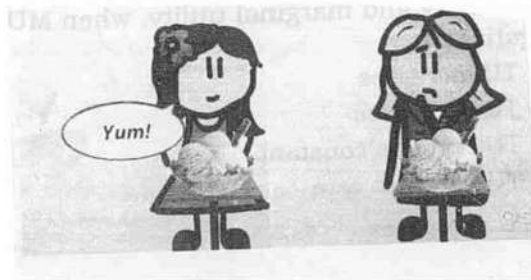
- when price of one good decreases
- when price of both goods increases
- when the level of income increases
- when price of both goods fall

22. If price of X commodity (P_x) is Rs.6 and slope of budget line is 1.5 then find the Price of commodity y. (1)

- (a) Rs.6
- (b) Rs.4
- (c) Rs.9
- (d) Rs.1.5

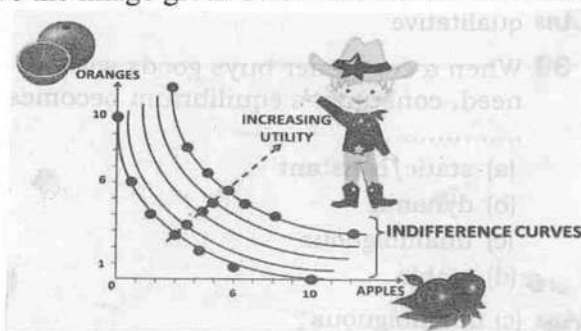
23. Look at the image given below and identify the correct statement based upon the same.

25 utils of satisfaction from eating a bowl of ice cream while someone else would Only get 5 utils of satisfaction. (1)



- (a) utility is subjective in nature
- (b) utility is depending on urgency of wants
- (b) utility is cardinally measured
- (d) Both (a) and (b)

24. Observe the image given below and choose the most suitable option. (1)



- (a) Marshall's utility approach
- (b) indifference map
- (c) concave indifference curves
- (d) none of these

25. Assertion (A) Consumer's utility is the point of 'Satiety' where he attains maximum Gain with given resources.

Reason (R) A rational consumer always prefers consumption of more units of goods as Compared to less units.

Alternatives :

- (a) Both (A) & (R) both are true and (R) is correct explanation of (A)
- (b) Both (A) & (R) both are true and (R) is not correct explanation of (A)
- (c) (A) is true but (R) is false
- (d) (A) is false but (R) is true

(1)

26. In case of inferior goods like "ABC" a fall in its price tends to _____. (1)

- (a) make the demand remain constant (b) reduce the demand
(c) increase the demand (d) none of these

27. Choose the correct pair. (1)

Column I	Column II
A. Cardinal utility approach	(i) Prof. Adam Smith
B. First psychological law of consumption	(ii) Prof. Gossen
C. Indifference curve analysis	(iii) Prof. Marshall
D. Downward sloping straight line indifference curve	(iv) Complementary goods

28. Which of the following is an example of complementary goods? (1)

- (a) Tea and coffee (b) Coke and Pepsi
(c) Rice and Wheat (d) None of these

29. Law of demand is _____ approach. (1)

- (a) qualitative (b) quantitative
(c) exceptional (d) none of above

30. Explain the problem of "how to produce". (3)

Or

Differentiates between positive and normative economics.

31. What will be the impact of improvement in technology of good X while Deterioration of technology of good Y simultaneously, on the PPC of home country? (3)

32. X and Y are substitutes. Explain the effect of fall in price of Y on the demand for X. (With the help of diagram). (4)

33. (a) What is market demand for a good? (1)

(b) What are the factors that determine the market demand? Prepare market demand schedule. (3+2)

Or

A consumer consumes only two goods. Explain equilibrium with the help of a Utility approach.

34. Explain the three properties of indifference curve. Draw diagram of indifference curve. (6)