	INDIAN SCHOOL AL WADI AL KABIR **DEPARTMENT OF COMMERCE**	

SAMPLE PAPER-1 2023-2024

ECONOMICS (030)

TIME: 3 Hours   **MARKS: 80**

General Instructions:

1) *All questions in both the sections are compulsory.*

2) *Marks for questions are indicated each.*

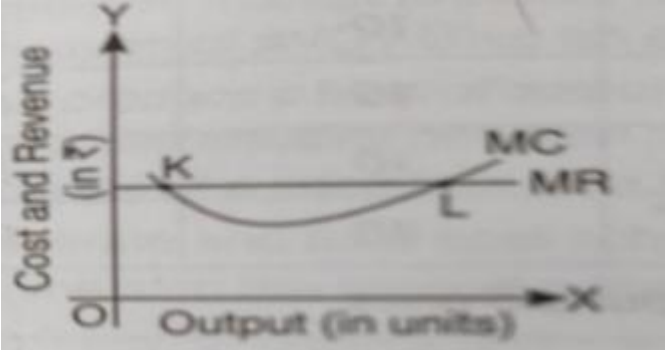3) *All parts of a question should be answered at one place.*

Q. No.	SECTION A: STATISTICS	Marks
1	Which formula is considered ideal for the construction of index numbers? a. Paasche's formula b. Laspeyere's formula c. Fisher's formula d. Both (a) and (b)	1
2	Consumer Price index is also known as _____.	1
3	Read the following statements carefully: Statement 1: Statistics is a qualitative measure Statement 2: Only aggregate number of facts is called statistics. In light of the given statements, choose the correct alternative from the following: Alternatives: a. Both the statement are true b. Both the statement are false c. Statement 1 is true and Statement 2 is false d. Statement 2 is true and Statement 1 is false	1
4	Read the following statements carefully: Statement 1: In scatter diagram, more the different points are close to each other less will be the value of correlation. Statement 2: There is always a cause and effect relationship between two series having high correlation. In light of the given statements, choose the correct alternative from the following: Alternatives: a. Both the statements are true b. Both the statements are false c. Statement 1 is true and Statement 2 is false d. Statement 2 is true and Statement 1 is false OR Statement 1: when the correlation of two series is close to 1 it is called moderate degree of correlation.	1

	Statement 2: when the correlation of two series is close to one it is called a high degree of correlation. In light of the given statements, choose the correct alternative from the following: Alternatives: a. Both the statements are true b. Both the statements are false c. Statement 1 is true and Statement 2 is false d. Statement 2 is true and Statement 1 is false	
5	Identify the correct sequence of alternatives given in column II by matching them with respective terms in column I: | Column I	Column II
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A. Frequency polygon can be derived from	i. Time series graph
B. Median can be obtained by	ii. Histogram
C. Growth rate of GDP in last five years	iii. Ogive
D. Components of expenditure can be represented by	iv. Pie chart | Codes (a) A – (i) (b) B – (ii) (c) C – (iii) (d) D – (iv)	1
6	Choose the correct alternative from the assertion and reasoning given below: Assertion(A): Classification of data using time dimension has more accuracy as compare to other forms of classification. Reason (R): Data can be presented, once it is classified as per the need of investigation. Alternatives: a. Both Assertion (A) and Reason (R) are true and Reason (R) is the correct explanation of Assertion (A). b. Both Assertion (A) and Reason (R) are true, but Reason (R) is not the correct explanation of Assertion (A). c. Assertion (A) is true, but Reason (R) is false. d. Assertion (A) is false, but Reason (R) is true.	1
7	In a beauty contest a judge wants to compare the performance of participants. Which method of correlation is most appropriate? a. Karl Pearson's b. Scatter Diagram c. Spearman's Rank correlation d. All of the above	1
8	Which are not characteristics of a good questionnaire? a) Limited no. of questions b) Simple questions c) Mathematical questions d) Questions related to enquiry	1
9	Which is not a method to find arithmetic mean? a) Direct Method b) Short-cut method	1

	c) Step-deviation method d) Karl Pearson's method	
10	If rxy=0 then the variables X and Y are a) Linearly related b) Not Linearly related c) Independent d) None of these	1
11	What is an Index number? Point out its utility.	3
12	Calculate weighted mean of the following data:	3

Marks(X)	81	76	74	58	70	73
Weight(W)	2	3	6	7	3	7

OR

Calculate arithmetic mean for the following data.

Wages ₹	10	20	30	40	50
Numbers of Workers	4	5	3	2	5

13	Draw a Pie diagram from the following data;	4

Items of expenditure	Food	Fuel	Cloth	Misc.
Total expenditure in ₹	480	360	240	120
Ans. % age of expenditure	40	30	20	10
Expenditure of com of 360 degree	144	108	72	36

OR

The following table shows the estimate sector wise growth rate in GDP.

Year	Agri & Allied	Industry	Services
1994-95	5.0	9.2	7.0
1995-96	-0.9	11.8	10.3
1996-97	9.6	6.0	7.1
1997-98	-1.9	5.9	9.0
1998-99	7.2	4.0	8.3
1999-2000	0.8	6.9	8.2

Represent the data as multiple time series graphs.

14	Calculate the index numbers from the following data using: (i) Laspeyre's method, (ii) Paasche's method	4

Items	2004		2018	
	Quantity	Price	Quantity	Price

		A	8	100	10	120
		B	4	60	5	80
		C	10	20	12	25
		D	12	25	15	30
		E	3	5	4	6

15	In a poetry recitation competition, 10 participants were accorded following marks by two different judges, X and Y.	4

X	15	17	14	13	11	12	16	18	10	9
Y	15	12	4	6	7	9	3	10	2	5

Calculate the coefficient of rank correlation.

16	Find the coefficient of correlation between X and Y series from the data.	6

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

17	Calculate mean, median and mode.	6

Marks	0-10	10-20	20-30	30-40	40-50
No of Students	3	4	15	6	8

OR

(A)19-Student of class 11 obtained following marks:

Marks	10	20	30	40	50
No. of Student	4	5	3	2	5

Calculate arithmetic mean using step-deviation Method.
(B) The mode and mean are 26.6 and 28.1 respectively in an asymmetrical distribution. Find out the value of median.

SECTION B: MICRO ECONOMICS

18	Choose the correct alternative from the assertion and reasoning given below: Assertion(A): A commodity that can be put to several uses is price inelastic Reason (R): As price falls, number of buyers increase in the market. Alternatives: a. Both Assertion (A) and Reason (R) are true and Reason (R) is the correct explanation of Assertion (A) b. Both Assertion (A) and Reason (R) are true, but Reason (R) is not the correct explanation of Assertion (A) c. Assertion (A) is true, but Reason (R) is false. d. Assertion (A) is false, but Reason (R) is true.	1

19	Which of the following statement is false?
	  a. PPC slopes downwards.
	  b. PPC is concave
	  c. PPC is slope upward.
		1

	d. PPC is not convex.	
20	When output of a firm increases from 20 units to 22 units and Total Revenue increases from Rs. 620 to Rs. 680 then Marginal Revenue is____ a. ₹30 b. ₹6 c. ₹10 d. None of these OR At zero level of output AC is equal to A. TVC B. AVC C. AFC D. TFC	1
21	In the situation of excess supply, market price tends to a. Rise b. Fall c. Remains constant d. All of the above	1

22	From the set of statements given in Column I and Column II, Choose the correct pair of statements:
	
	Options
	   a) A–i)
	   b) B–ii)
	   c) C–iii)
	   d) D – iv)
		1

23	Which indifference curve represents the highest level of satisfaction? Indifference Map a. IC1 b. IC2 c. IC3 d. None of these	1
24	As long as MR is positive, TR will: a. Increase b. Decrease	1

Table within Question 22:

Column I	Column II
A. Microeconomics	i. Tools are aggregate demand and aggregate supply
B. Normative Economics	ii. Aims to determine the ideals
C. Opportunity Cost	iii. Cost of the best alternative
D. Production possibility frontier	iv. Convex shaped

	c. Be Maximum d. Remain same	

25	Law of diminishing marginal utility describes that when consumer consumes _____of a unit the utility derived from that unit _____
	    a. more and more
	    b. less and less
	    c. declines
	    d. Both A and C
		1

26	In which market form, there is perfect knowledge among buyers & sellers? a. Oligopoly b. Monopolistic competition c. Monopoly d. Perfect Competition	1
27	 In the above diagram Producer's equilibrium is achieved at point---------. a. K b. L c. Both K and L d. Neither K nor L	1
28	A firm supplies a certain quantity of a good at a price of ₹10 per unit. When price changes to ₹9 per unit the firm supplies 10 units less. Price elasticity of supply is 1, What is the quantity supplied before price change? **OR** A producer borrows money and opens a shop. The shop premises is owned by him. Identify implicit cost and explicit cost from this information. Also, explain with examples.	3
29	The following news was printed in the Economic Times: "Petrol and diesel prices were cut by ₹2 per litre each as international oil prices slumped to a five-year low". Use a diagram and economic theory to analyse the impact on the demand for cars in India.	3
30	Given the TFC equal to Rs.60, complete the following table: 	Output	AVC	TC	MC
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1	20	--------	------
2	15	--------	------
3	20	--------	------		4
31	Explain any two factors influencing demand and any two exceptions to the law of demand.	4
32	How are equilibrium price and quantity affected when income of the consumers? (a) increase (b) decrease	4

	OR Discuss the concept of 'Price Ceiling' with the help of diagram.	
33	Explain elasticity of demand and illustrate the different degrees of elasticity of demand diagrammatically. OR Explain Consumer's Equilibrium using the Indifference curve approach with the help of a diagram	6
34	i. Do you agree with the view that market absorbs the impact of increase or decrease in demand only through the Process of extension and contraction of demand and supply? Give reason. ii. Farmers may suffer a loss even when there is a good harvest. Does your supply-demand analysis provide an answer to this?	3+3