

ANANDALAYA ANNUAL EXAMINATION

Class: XI

Subject: Economics (030) M.M:80Date : 28-02-2025 Time: 3 hours

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Genera	ıl In	etru	ictio	nc.

1. This question paper contains two sections:

Section A – Statistics

Section B – Micro Economics

- 2. This paper contains 20 Questions of 1 mark each.
- 3. This paper contains 4 Short Answer Questions of 3 marks each to be answered in 60 to 80 words.

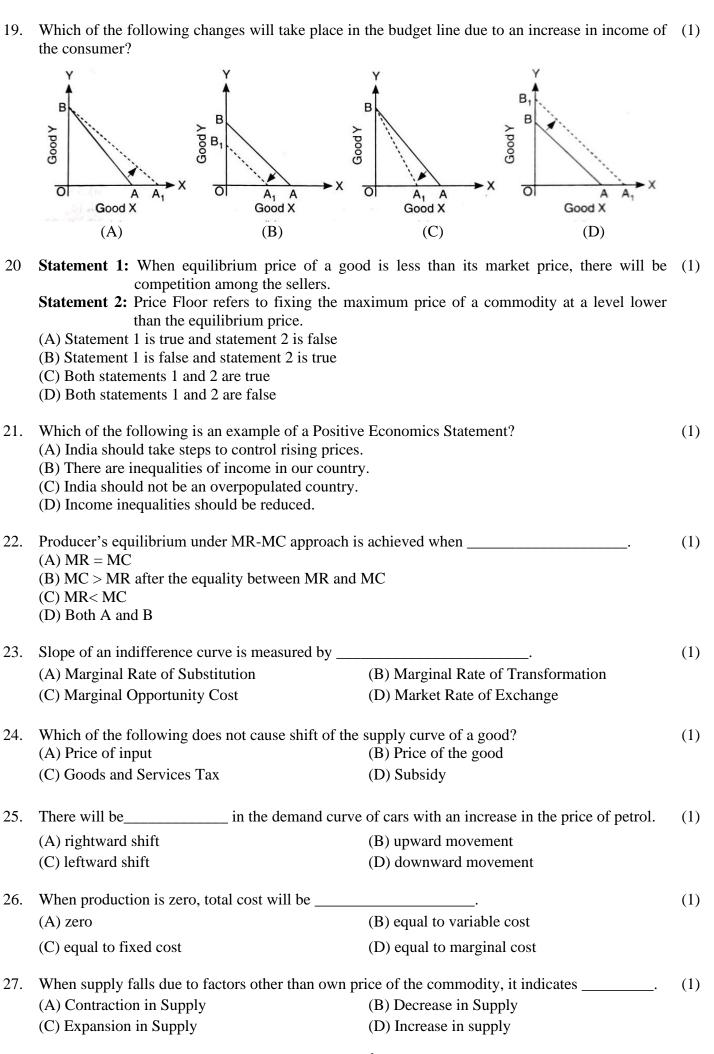
	<u> </u>	estions of 4 marks each to be answered in 80 to 100 words. estions of 6 marks each to be answered in 100 to 150 words.	
	SE	ECTION A: STATISTICS	
1.	Statement 1: The value of index nur	mber for base period is always taken as 100.	(1)
	Statement 2: The base year should earthquakes etc. (A) Statement 1 is true and statement (B) Statement 1 is false and statement (C) Both statements 1 and 2 are true. (D) Both statements 1 and 2 are false	nt 2 is true.	
2.	If the sum of N observations is 1,260	and their mean is 36, then the value of N is	(1)
	(A) 35 (B) 40	(C) 30 (D) 25	
3.	Which one of the following is not a l (A) Statistical laws are true only on a (B) Statistics might lead to fallacious (C) Statistics condenses mass data.	an average. s conclusions.	(1)
	(D) Statistics does not study individu	ials.	
4.	Maximum value of correlation coefficients (A) 0 (B) 1	(C) 10 (D) 100	(1)
5.	In case of correlation, tv (A) negative (C) no	wo variables move in the opposite direction. (B) positive (D) zero	(1)
6.	The following diagram depicts	correlation between x and y.	(1)
	(A) Perfect positive(C) Negative	(B) Perfect negative (D) Zero	
		Page 1 of 6	

taxation and general economic policy formulation. (A) Human development index (B) Sensex (C) Consumer price index (D) Index of industrial production For the observations 5, 3, 6, 3, 5, 10, 7, 2 there are modes. (A) 7 (B) 2 (C) 6 (D) 4 Read the given data about the monthly salary of some families in a society and answer question that follows: Monthly Salary (₹ in thousand) Number of Families					
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rayation and general economic noticy formulation					
are helpful in wage negotiation, formulation of income policy, price policy	y,				
(D) Median is not affected by presence of extreme values.					
(B) Mode is that positional value which divides the distribution into two equal parts.(C) Arithmetic mean is the most commonly used measure of central tendency.					
Percentiles divide the distribution into hundred equal parts.					
Which of the following is an incorrect statement?					

(B) Calculate the Consumer Price Index (CPI) number from the following data and interpret the results.

Items	Weightage	Price in 2020 (₹)	Price in 2010 (₹)
Food	35	1500	1400
Fuel	10	250	200
Cloth	20	750	500
Rent	15	300	200
Miscellaneous	20	400	250

(I)	O,	gives are	helpi	ful in locat	ing graphic	cally	, v	while data	represented	d through a
				elp in findi						
(II)	D	istinguish	betw	een randor	n sampling	and non-	andom sam	pling.		
(III)) 'N	lon samp	ling o	errors are 1	more seriou	us than sa	mpling erro	ors.' Defen	d or refute	e the given
	st	atement.								
Rea	d th	ne follow	ing te	xt carefully	:					
mea and are diag	nin rela gen gran	gful way ationship erally thi nmatic p	to fa s with ree for resent	cilitate und ain data, ma rms of pres	derstanding aking it easi entation of suited for	and analgier for decordata i.e. to different	ysis. It help ision-make extual prese types of da	os in identi: rs to interpentation, tal	fying patte ret informa bular prese	a clear and rns, trends, ation. There entation and ach method
	1.	Textual	Prese	entation –	This metho	od uses wi	itten descri	ptions to e	xplain data	ı, making it
		useful for is essent	r sum	nmarizing f	indings, pr	oviding co	ontext, and	offering de	tailed expl	anations. It analysis are
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On	the	basis of t	he giv	ven text and	d common	understan	ding, answe	r the follov	ving questi	ons:
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		0 1			• •	Ū			d columns.	, forming a
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(III)) Di	fferentiat	e betv	ween Histo	gram and B	Bar Diagra	m.			
Cal	cu1s	ite Sneam	man's	Rank corre	elation coef	fficient fro	om the follo	wing data:		
Car	X		0	50	60	60	80	50	70	60
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(A)			ciasti	city of dem	anu 18	(P) greater the	an one		
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(C)	(-) (-) willy						' / UIIIL V			



- 28. Explain the implication of 'homogeneous product' feature of perfect competition.
- 29. (I) A bank employee has job offers from two other banks. Axis Bank offers a salary of ₹ 50,000 (1) per month and Indian Overseas Bank offers a salary of ₹ 60,000 per month. If he presently draws a salary of ₹ 70,000 in State Bank of India, what is his opportunity cost of working in State Bank of India?
 - (II) Assuming that no resource is equally efficient in production of all goods, name the curve which shows production potential of the economy. Also state its properties.

(3)

- 30. The market for a good is in equilibrium. A severe drought results in a drastic fall in the output of (4) wheat. Explain, using a diagram, how will it affect the equilibrium price and equilibrium quantity, keeping other factors constant?
- 31. A jeweller sells three rings at a price of ₹ 12,000 per ring. If he sells 4th ring, his marginal (4)
- (A) revenue of 4th ring will be ₹ 10,500. Find the average revenue of selling the 4th ring.

OR

- (B) Explain the relationship between Total Product and Marginal Product using a diagram.
- 32. From the following data, calculate the elasticity of demand, when price changes from ₹ 5 to ₹ 6. (4) Also, express your opinion regarding the degree of elasticity of demand.

Price (₹)	Quantity Demanded (units)	
5	100	
6	75	
8	50	

33. Read the following newspaper article carefully.

<u>India's lab-grown diamonds may be 'value for money,' but natural diamonds won't lose their sparkle.</u>

Demand for lab-grown diamonds in India has grown steadily, but naturally mined diamonds won't be losing their sparkle any time soon, industry experts say.

India currently has the world's largest youth population. More and more millennial and Gen Z shoppers have been captivated by the so-called LGDs because of their price point, analysts told CNBC.

The price of a lab-grown diamond can be five times cheaper than a natural diamond, but they are both chemically identical.

According to Limelight Diamonds, one of India's largest LGD jewelry brands, a natural diamond is priced at around \$6,000 per carat while its LGD counterpart is just \$1,200. Both are also graded based on the 4Cs — clarity, color, cut and carat — the widely accepted standard characteristics to determine a diamond's value and quality. Sales of LGDs have skyrocketed as buyers in India who were previously unable to purchase diamonds due to their high cost now feel they can enter the market.

"Previously, less than 5% of Indian women were able to afford natural diamonds," said Pooja Sheth, founder and managing director of Limelight Lab Grown Diamonds. "But consumers are feeling it's more value for money to purchase a lab grown diamond and there is a huge amount of incremental demand from new purchases who have never bought a diamond before," she commented. India is currently the second-largest lab-grown diamond producer, behind China which accounts for at least half the world's production. "It's about opening up an entire segment of Indian audiences that have not been able to purchase diamonds before."

Despite much optimism, LGD buyers still view the jewel as an entry point to the diamond market and will most likely purchase natural diamonds when they have a more purchasing power in future, analysts told CNBC.

"Lab-grown diamonds are now the talk of the day. But If you have enough money floating around, you'll essentially buy a naturally mined diamond," said Tehmasp Printer, CEO of the International Gemological Institute.

"If you have a Toyota, you'll want to buy a lower end BMW after before you finally get a [Mercedes-Benz] S-Class. It's a question of upgrade." Paul Zimnisky, CEO of Paul Zimnisky Diamond Analytics, agreed. "Man-made diamonds represent around 20% of the total industry in the value sold. It was basically zero 10 years ago, so it has been growing rapidly on a relative basis," he said.

Source: https://www.cnbc.com/2023/12/22/indias-lgds-are-cheaper-but-natural-diamonds-will-still-be-in-demand.html

On the basis of the given text and common understanding, answer the following questions:

(I) "More and more millennial and Gen Z shoppers have been captivated by the so-called LGDs (1) because of their price point."

Using the above example, explain how price is an important factor affecting demand.

(II) "If you have enough money floating around, you'll essentially buy a naturally mined diamond."

People demand some goods due to the prestige they confer upon the possessor. In the long run, natural diamonds are one such example which are demanded by consumers due to its high price. In the light of the above statement, identify the exception to the 'Law of Demand' discussed above.

(III) Na	III) Natural diamonds and Lab grown diamonds are			goods.		
(A)	complimentary	(B) substitute	(C) jointly demanded	(D) inferior.		
` /	n increase in the real hose prices have fallen		•	more of a commodity	(1)	
(A)	Inducement	(B) Substitution	(C) Income	(D) Utility		
(V) Sup	opose prices of the lal	b grown diamonds a	are expected to fall in the	ne near future. Explain	(2)	

34. (I) When price of a good rises from ₹ 8 per unit to ₹ 10 per unit, producer supplies 40 units more. (3)

using a diagram, what impact will it have on the demand curve of lab gown diamonds.

Price elasticity of supply is ≥ 2 . What is the quantity supplied before the price change?

(II) Complete the following table: (3)

Output (units)	Total Variable Cost	Average Variable	Marginal Cost (₹)
	(₹)	Cost (₹)	
1		12	12
2	20		
3		10	10
4	40		