

SET - 2

Economics

Time allowed: 3 hours

Maximum Marks: 80

General Instructions:

1. This question paper contains two parts:

Part A - Statistics (40 marks)

Part B - Micro Economic (40 marks)

- 2. Marks for questions are indicated against each question.
- 3. Question No. 1-7 and Question No. 16 22 are 1 mark questions and are to be answered in one word/sentence.
- 4. Question No. 8-10 and Question No. 23 25 are 3 marks questions and are to be answered in 60 80 words each.
- 5. Question No. 11-13 and Question No. 26 28 are 4 marks questions and are to be answered in 80-100 words each.
- 7. Question No. 14-15 and Question No. 29 30 are 6 marks questions and are to be answered in 100-150 words each.

Questions

Q	PART - A (STATISTICS)	Marks
1	The standard deviation of 100 workers in a factory was ₹400. If the wages of each worker are by ₹100, the standard deviation is:	1
2	Fill in the blanks: activities are concerned with production, distribution and consumption of goods and servic are not available for free.	1
3	A is drawn on the basis of upper limits and increasing frequencies, whereas is drawn on the basis of lower limits and declining frequencies. (a) More than; Less than	1

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	(b) Total frequency; histogram(c) Less than; two dimensional(d) Less than; more than	
4	Cost of living index is also known as (a) Weighted index (b) Consumer price index (c) Price index (d) Agricultural production index	1
5	Which of the following is the formula of the quantity index number of the unweighted simple aggregative method? (a) $q_{01} = \frac{\sum_{q_1}}{\sum_{q_0}} x \ 100$ (b) $q_{01} = \frac{\sum_{q_1}}{\sum_{q_1}} x \ 100$ (c) $q_{01} = \frac{\sum_{q_1}}{\sum_{q_1}} x \ 100$ (d) $q_{01} = \frac{\sum_{p_1}}{\sum_{q_0}} x \ 100$	1
6	Ture or False: Very high degree of negative correlation is signed by - 0.9.	1
7	A statistical investigation in which the data is collected from each and every element of the population, it is known as method.	1
8	Differentiate between primary data and secondary data.	3
9	What is meant by arithmetic mean? What is the formula to calculate arithmetic mean in discrete series by assumed mean method?	3

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From the given in	nformation, ca	lculate the ari	thmetic mean by	v direct metho	d:			
Workers A	А	В	С	D	E	F		
Daily workers (₹)	110	130	180	200	120	160		
Construct a pie diagram to represent the following data about percentage break-up of the cost of construction of a house in Mumbai.							3	
	Items				Expenditure	0]	
Steel				20				
	Bricks				15			
Timber				25				
	Cement		20	10				
	Labour			Cen .	30			
Find out the mod	le of the follow	ving marks ob	tained by 15 stu	dents in a clas	ss by discrete s	eries.	4	
Marks: 8 12 10	14 18 16 20 8	3 14 12 10 16	14 14 18					
The arithmetic mean of a series of 40 items was calculated by a student as ₹280. But while calculating it an item ₹130 was misread as ₹180. Find the correct arithmetic mean.						4		
	From the following data calculate the median: 15 12 18 35 28 50 12 24 30			204010482215253336			4	
Calculate the standard deviation by direct method from the following data:							6	
Marks	() - 4	4 - 8	8 -	12	12 - 16		
No. of students		8	16		1	2	11	



15	Construct price index number of 2019 from the following data by: (a) Laspeyre's method, and (b) Fisher's method.					
	Commodities		2017 Base Year		2018 Current Year	
		Price	Quantity	Price	Quantity	
	A	30 26	50	34	90	
	В		20	30	40	
	С	22	30	22	50	
	D	18	10	22	30	
		Microe	economics	N -		
16	is the study of making choices. It tells us how one can make optimum utilization of scarce resources to satisfy unlimited wants and desires.				1	
17	Why is the selling cost not inc	urred in perfect co	ompetition?	99.		1
18	<pre> refers to the rate at which a consumer is willing to sacrifice one good for an additional unit of another good.</pre>				1	
19	True or false Monotonic preferences imply that a consumer always prefers the combination, which has either more of both goods or more of at least one good and no less of the other good as compared to another bundle.			1		
20	What is the shape of the aver	age revenue curve	e (demand curve) in	perfect competi	tion?	1
21	If MR is parallel to the x- axis,	what does it say	about the price and	the demand?		1
22	When demand for the commo commodity, it is known as			factor other than	the own price of the	1
23	Discuss the concept of opport OR Explain the central problem of	·		9?		3



24		
27	The price elasticity of supply of a commodity is 2.5. At a price of ₹10 per unit, its quantity supplied is 600 units. Calculate its quantity supplied at a price of ₹8 per unit.	3
25	What is the difference between 'point of satiety' and 'point of equilibrium'?	3
26	Explain the concept of shift of the demand curve.	4
27	Explain the relationship between total product (TP) and marginal product (MP) with diagram. OR What will be the elasticity of demand of the goods in the following situation? (a) The use of which can be postponed (b) The goods whose substitutes are available.	4
28	Explain the situation when the demand curve is negatively sloped and steep in shape. Use diagram.	4
29	Using diagram explain the following: (a) Perfectly elastic demand (b) Inelastic demand (c) Perfectly Inelastic Demand	6
30	State the phases in the behaviour of total product as per the law of variable proportion. Use diagrams.	6