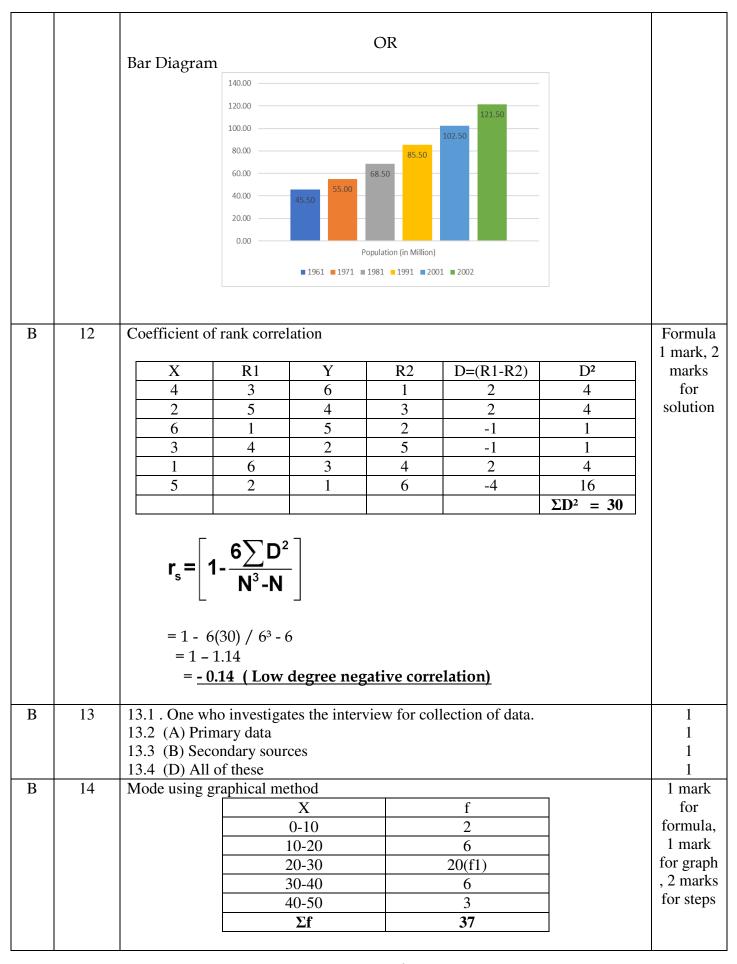
SET	В
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## INDIAN SCHOOL MUSCAT FINAL EXAMINATION 2023 ECONOMICS 030

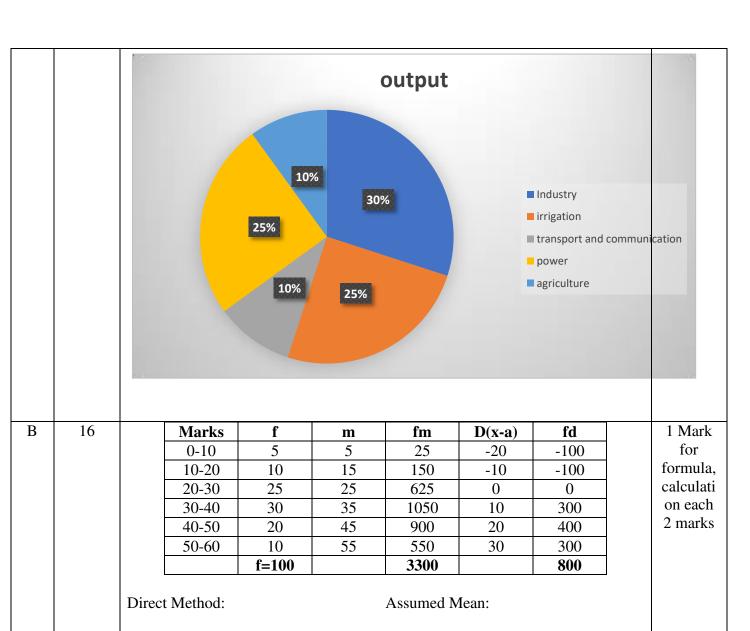
CLASS:XI Max. Marks: 80

		MARKING SCHEME	
SET	QN.NO	VALUE POINTS	MARKS SPLIT UP
		SECTION A STATISTICS FOR ECONOMICS	
В	1	(A) quantitative	1
В	2	(A) census OR (D) All of these	1
В	3	False	1
В	4	(B) Time	1
В	5	(A) Difference between the largest and the smallest observations	1
В	6	(C) continuous series	1
В	7	(C) c- iii	1
В	8	(B) Base year OR (D) all of these	1
В	9	(C) Assertion is true but Reason is False	1
В	10	Zero	1
В	11	Class   Tally Bar   Frequency (f)	3



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		= 20 + (20 = 20+ 0.42 =	$+\left(\frac{f_1 - f_1}{2f_1 - f_0}\right)$ 0-6 / 2(20-	$\left(\frac{f_0}{-f_2}\right) \times h$				
				O	R			
			Farm size	F	D= x-A	fd		
			64	8	2	16		
			62	18	1	18		
			62	12	0	12		
			61	9	-1	-9		
			60	7	2	14		
			59	6	3	18	(0)	
				F= 60		<b>Fd</b> =	69	
		$\bar{x} = a + \frac{1}{2}$ $= 62 + \frac{1}{2}$ Mean = 6	69 / 60 = 6	62+ 1.15				
В	15							2 marks
		Sector			Output	in %	In degrees	for
		Industry			30		108°	convertio
		Irrigation			25		90°	n, 2
			t and Comn	nunication	10		36°	marks
		Power			25		90°	for pie
		Agricultu	ure		10	)	36°	chart
		Piechart:						



 $X = \Sigma fm / \Sigma f$ = 3300 / 100Mean = 33

$$X = A + \Sigma fd / \Sigma f$$
  
= 25 + 800/ 100  
Mean = 33

OR

			<b>51</b> 0		
X	R1	Y	R2	D=R1-	$D^2$
				R2	
55	3	12	5.5	-2.5	6.25
45	5	12	5.5	-0.5	0.25
50	4	40	1	3	9
10	10	6	8.5	1.5	2.25
25	8	20	4	4	16
25	8	4	10	-2	4
75	1	30	2	-1	1
40	6	9	7	-1	1
25	8	6	8.5	-0.5	0.25
67	2	25	3	-1	1
					$\sum D^2 = 41$

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		$r_k = 1 - \frac{1}{2}$ $= 1 - 6 (41 + 1)$ $= 1 - 251.5 = \frac{1 - 0.25}{2} = \frac{1 - 0.25}{2}$	/12(8-2) / 990 = 0	+1/12(6 0.25	54-4) / 10	000-10		- m <sub>2</sub> )	٠]		
В	17	Commodity	2019 Price	2019 Otv	2020 Price	2020 Otv	$p_1q_1$	$p_{0}q_{1}$	$p_{1}q_{0}$	$p_0q_0$	2 marks for
		A	2	Qty.	5	Qty.	75	30	100	40	formula
		B	4	4	8	5	40	20	32	16	2 marks
		C	1	10	2	12	24	12	20	10	for
		D	5	5	10	6	60	30	50	25	formula
							199	92	202	91	calculati on and 2
		$P_{01} = \frac{\sum p_1 q_0}{\sum p_0 q_0} \times 100$ $= 202 / 91 \times 100$ $= 202.97$ $221.97$ $121 \% \text{ increase}$ $P_{01} = \frac{\sum p_1 q_1}{\sum p_0 q_1} \times 100$ $= 199 / 92 \times 100$ $216.30$ $116\% \text{ increase}$						for solution			
		SECTION B MICROECONOMICS									
В	18	A) Increasing 1	MRT								1
В	19	A) Zero									1
В	20	C) Leftward Sl	nift ward	[							1
В	21	C) < 1									1
В	22	D) Statement 2	is true a	and Stat	ement 1	is false					1
В	23	A) TVC A) TR increase			(	)R					1
В	24	(B) increase pr	oduction	1							1
В	25	D) Es > 1 OR A) Decrease in supply								1	

В	26	(A) Expansion in supply	1			
В	27	(C)Assertion is true but Reason is false	1			
В	28	Positive Economics  a. It deals with what is or how the economic problems are actually solved  b. It can be verified with actual data  c. It aims to make real description of an economic activity  d. It is based upon facts, and thus not suggestive  e.g. Prices in Indian economy are constantly rising  Normative Economics  a. It deals with what ought to be or how the economic problems should be solved.  b. It cannot be verified with actual data  c. It aims to determine the ideals  d It is based upon individual opinion and therefore, it is suggestive in nature  E.g., India should take steps to control rising prices.  (any three points)	1 mark for each point.			
В	29	<ul> <li>(A) Average Cost: It refers to the per unit fixed cost of production. It is calculated by dividing TFC by total output.</li> <li>(B) Marginal Cost: It refers to addition to total cost when one more unit of output is produced. MCn=TCn-TCn-1</li> <li>(C) Total cost: it is the total expenditure incurred by a firm on the factors of production required for the production of a commodity. TC= TFC+TVC</li> </ul>				
В	30	1. Perfectly elastic  2. Perfectly inelastic  2. Perfectly inelastic  Quantity Demanded (In units)  3. Unitary elastic  4. Relatively elastic  Quantity Demanded (In units)  Quantity Demanded (In units)  Quantity Demanded (In units)	Diagram and explanati on any four each one mark. 4			

		5. Relatively inelastic					
		Y Quantity Demanded (In units)					
В	31	31.1 Inverse	1				
		31.2 Substitute	1				
		31.3 Fall	1				
		31.4 Nature of a commodity	1				
В	32	A)	Formula				
			1 mark				
		Original Quantity(Q) = 125 units Original Price(P) = ₹8	Substitut				
		Fall in Qunatity( $\triangle Q$ ) = 25 units New Price (P1) = ₹6	e with				
		New Quantity (Q1) = 100 units Change in Price( $\triangle P$ ) = $\boxed{2}$	each 3 marks				
		Elasticity of Supply (Es) = ?	Illaiks				
		Percentage change in Price = Change in Price / New Price * 100					
		= 2/8 *100 = 25%					
		Percentage change in Supply = Change in Quantity / New Quantity X100 = 25/125*100 = 20%					
		$E_s = \frac{\text{Percentage change in quantity supplied}}{\text{Percentage change in price}}$					
		20 % / 25% = 0.8 Es = 0.8 (Supply is less elastic as Es <1)					
		OR					
		Initial demand (Q) = 100 units Rise in price = Rs 5 Fall in demand= 5units New demand = 95units (decrease in demand) Ed= -1.2 Original Price=?					

$Ed = \frac{\Delta Q}{\Delta P} \times \frac{P}{Q}$ $1.2 = \frac{5}{5} \times \frac{P}{100}$	
$1.2 = \frac{5}{5} \times \frac{P}{100}$	
$1.2 \times \frac{5}{5} \times 100 = P$	
$\frac{600}{5} = 120$	
Ed = P = 120	
Price before change in demand (original price) = Rs 120	
B 33 A. Perfectly Elastic Supply: When there is an infinite supply at a pa	
price and the supply becomes zero with slight fall in price, then the supsuch a commodity is said to be perfectly elastic.	pply of each
such a commodity is said to be perfectly clastic.	2* 3 = 6
© P1/P2 S 1 S	
x	
0 Q1 Q2 Quantity supplied	
B. Less Elasticity Supply: When percentage change in the quantity dema	
less than percentage change in price, the demand for such a commodity to be less elastic.	is said
to be less elastic.	
p	
$\mathbf{P}_{1}$	
Price	
$D \longrightarrow X$	
Quantity demanded	
C. Unitary Elastic Supply: Unitary Elastic Supply: When percentage ch	ange in
quantity supplied is equal to percentage change in price, the supply for commodity is said to be unitary elastic.	such a

