| SET | A |
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INDIAN SCHOOL MUSCAT
FINAL EXAMINATION 2023
ECONOMICS 030
CLASS:XI
Max. Marks:

| MARKING SCHEME |  |  |  |
| :---: | :---: | :---: | :---: |
| SET | QN.NO | VALUE POINTS | $\begin{aligned} & \hline \text { MARK } \\ & \text { S SPLIT } \\ & \text { UP } \end{aligned}$ |
|  |  | STATISTICS FOR ECONOMICS |  |
| A | 1 | (A)- its source of origin <br> (D) - All of these | 1 |
| A | 2 | (C) - Average of the largest and smallest observation | 1 |
| A | 3 | (C) - wants | 1 |
| A | 4 | (C) $-360^{\circ}$ <br> OR <br> (B) one dimensional diagram | 1 |
| A | 5 | (C)- unorganized | 1 |
| A | 6 | (A) Assertion and Reason is true but Reason is correct explanation for assertion | 1 |
| A | 7 | (D) Karl Pearson's method | 1 |
| A | 8 | (B) +1 | 1 |
| A | 9 | (B)Zero | 1 |
| A | 10 | (A) index number | 1 |
| A | 11 | Bar diagram <br> Chart Title |  |


|  |  |  | OR HISTOGRAM <br> Chart Title <br> $-20-30 \square 30-40 \square 40-50 \quad 50-60 \square 60$ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| A | 12 | Degrees of correlation. |  |  | 4 |
|  |  | Degree of Correlation | Positive Correlation | Negative Correlation |  |
|  |  | Perfect Correlation | +1 | -1 |  |
|  |  | Very High Degree of Correlation | +0.9 | -0.9 |  |
|  |  | Fairly High Degree of Correlation | Between +0.75 and +0.9 | Between -0.75 and -0.9 |  |
|  |  | Moderate Degree of Correlation | Between +0.25 and +0.75 | Between -0.25 and -0.75 |  |
|  |  | Low Degree of Correlation | Between 0 and +0.25 . | Between 0 and -0.25 . |  |
|  |  | Zero/No Correlation (uncorrelated) | 0 | 0 |  |
| A | 13 | 13.1 (B) Secondary source <br> 13.2 (D) All of these <br> 13.3 (D) All of these <br> 13.4 (A) Both the statement are |  |  | $\begin{aligned} & 1 \\ & 1 \\ & 1 \\ & 1 \\ & \hline \end{aligned}$ |
| A | 14 | Wages No. of workers <br> $0-100$ 5 <br> $100-200$ 10 <br> $200-300$ 25 <br> $300-400$ 15 <br> $400-500$ 5 <br>  $\mathbf{6 0}$ |  |  | 1 mark |
|  |  |  |  |  | for |
|  |  |  |  |  | formula |
|  |  |  |  |  | $, 1$ |
|  |  |  |  |  | mark |
|  |  |  |  |  | for |
|  |  |  |  |  | graph, 1 |
|  |  |  |  |  | mark |
|  |  | $\text { Mode }=l+\left(\frac{f_{1}-f_{0}}{2 f_{1}-f_{0}-f_{2}}\right) \times h$ |  |  |  |




|  |  | $\begin{aligned} & \mathbf{r}_{\mathbf{k}}=\mathbf{1}-\mathbf{l} \\ & =1-6(41+1 / 1 \\ & =1-251.5 / 9 \\ & =\mathbf{1 - 0 . 2 5}=\mathbf{0} . \end{aligned}$ | $\sum D^{2}$ $2(8-2)+$ $90=0$ <br> 75 (His | $\begin{aligned} & \mathbf{( m}^{3} \\ & / 12(64 \\ & 1 \end{aligned}$ | $\begin{aligned} & \frac{1-m_{1}}{12} \\ & \mathbf{n ( n} \\ & \text { 4) } / 100 \\ & \text { e corre } \end{aligned}$ | $\begin{aligned} & +n \\ & -n) \\ & -10 \\ & \text { tion) } \end{aligned}$ | $\frac{3^{3}-}{12}$ | $\mathbf{n}_{2} \text { ) }$ |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| A | 17 | Laspeyre's Method: Paasche's method: <br> $P_{01}=\frac{\sum p_{1} q_{0}}{\sum p_{0} q_{0}} \times 100$ $P_{01}=\frac{\sum p_{1} q_{1}}{\sum p_{0} q_{1}} \times 100$ <br> $=380 / 230 \times 100$ $=253 / 230 \times 100$ <br> 165.2 169.7 |  |  |  |  |  |  |  |  | 2 marks <br> for formula 2 marks for formula calculat ion and 2 marks for solution |
|  |  | MICROECONOMICS |  |  |  |  |  |  |  |  |  |
| A | 18 | (D) implies that consumer's wants will never be completely satisfied |  |  |  |  |  |  |  |  | 1 |
| A | 19 | (B) Marginal Rate of Substitution <br> (B) Indifference curve is concave to the origin |  |  |  |  |  |  |  |  | 1 |
| A | 20 | (A) Substitutes |  |  |  |  |  |  |  |  | 1 |
| A | 21 | (A) TP is increasing OR <br> (C) only (i) is correct <br> (A) Both Assertion (A) and (R) are true and Reason(R) is the correct explanation to Assertion(A) |  |  |  |  |  |  |  |  | 1 |
| A | 22 |  |  |  |  |  |  |  |  |  |  |
| A | 23 | (A) AP rises |  |  |  |  |  |  |  |  | 1 |
| A | 24 | (A) constant rate |  |  |  |  |  |  |  |  | 1 |
| A | 25 | ₹3 |  |  |  |  |  |  |  |  | 1 |
| A | 26 | (A) Price ceiling |  |  |  |  |  |  |  |  | 1 |


| A | 27 | False | 1 |
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| A | 28 | (A) Average Cost: It refers to the per unit fixed cost of production. It is calculated by dividing TFC by total output. <br> (B) Marginal Cost: It refers to addition to total cost when one more unit of output is produced. $\mathrm{MCn}=\mathrm{TCn}-\mathrm{TCn}-1$ <br> (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 | 1+1+1 |
| A | 29 | A) Marginal Opportunity Cost (MOC): refers to the number of units of a commodity sacrificed to gain one additional unit of another commodity. <br> MOC $=$ Change units sacrificed by change units Gained. <br> Production Possibility Curve: PPC may be defined as a curve, which represents all the possibilities of production of two given commodities with a given scarce and state of technology. <br> OR <br> B) Relationship between Total Utility and Marginal utility <br> $\checkmark$ When MU is falling but remains positive, it leads to rising total utility, though at the falling rate. <br> $\checkmark$ When MU becomes zero, it will result into constant TU <br> $\checkmark$ Eventually when MU becomes negative, the TU will start diminishing. | 1 <br> 1 <br> 1 $1+1+1$ |
| A | 30 | A) <br> Percentage change in Price $=$ Change in Price / New Price * 100 $=2 / 8 * 100=25 \%$ $\begin{aligned} \text { Percentage change in Supply } & =\text { Change in Quantity } / \text { New Quantity X100 } \\ & =25 / 125^{*} 100=20 \% \end{aligned}$ $\begin{gathered} E_{s}=\frac{\text { Percentage change in quantity supplied }}{\text { Percentage change in price }} \\ 20 \% / 25 \%=0.8 \end{gathered}$ <br> Es $=0.8$ ( Supply is less elastic as Es <1) |  |
| A | 31 | 31.1 Inverse <br> 31.2 Substitute <br> 31.3 Fall <br> 31.4 Nature of a commodity | $\begin{aligned} & \hline 1 \\ & 1 \\ & 1 \\ & 1 \\ & \hline \end{aligned}$ |
| A | 32 | Degrees of Elasticity of Demand: | 4 |



|  |  |  <br> B. High Elasticity Supply: When percentage change in quantity supplied is more than the percentage change in price, then supply for such a commodity is said to be highly elastic supply. <br> C. Unitary Elastic Supply: When percentage change in quantity supplied is equal to percentage change in price, the supply for such a commodity is said to be unitary elastic. | $\begin{array}{\|c\|} \hline \text { and } 1 * 3 \\ \text { for } \\ \text { diagra } \\ m \end{array}$ |
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