

Senior School Certificate Examination

March 2019

Marking Scheme – ECONOMICS (030)

(PAPER CODE –58/5/1)

General Instructions: -

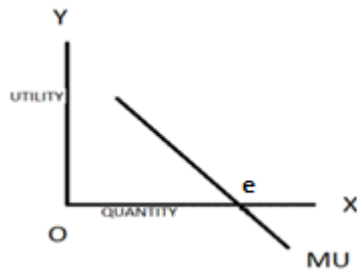
1. You are aware that evaluation is the most important process in the actual and correct assessment of the candidates. A small mistake in evaluation may lead to serious problems which may affect the future of the candidates, education system and teaching profession. To avoid mistakes, it is requested that before starting evaluation, you must read and understand the spot evaluation guidelines carefully. **Evaluation is a 10-12 days mission for all of us. Hence, it is necessary that you put in your best efforts in this process.**
2. Evaluation is to be done as per instructions provided in the Marking Scheme. It should not be done according to one's own interpretation or any other consideration. Marking Scheme should be strictly adhered to and religiously followed. **However, while evaluating, answers which are based on latest information or knowledge and/or are innovative, they may be assessed for their correctness otherwise and marks be awarded to them.**
3. The Head-Examiner must go through the first five answer books evaluated by each evaluator on the first day, to ensure that evaluation has been carried out as per the instructions given in the Marking Scheme. The remaining answer books meant for evaluation shall be given only after ensuring that there is no significant variation in the marking of individual evaluators.
4. If a question has parts, please award marks on the right-hand side for each part. Marks awarded for different parts of the question should then be totalled up and written in the left-hand margin and encircled.
5. If a question does not have any parts, marks must be awarded in the left hand margin and encircled.
6. If a student has attempted an extra question, answer of the question deserving more marks should be retained and the other answer scored out.
7. No marks to be deducted for the cumulative effect of an error. It should be penalized only once.
8. A full scale of marks 0-80 has to be used. Please do not hesitate to award full marks if the answer deserves it.
9. Every examiner has to necessarily do evaluation work for full working hours i.e. 8 hours every day and evaluate 25 answer books per day.
10. Ensure that you do not make the following common types of errors committed by the Examiner in the past:-
 - Leaving answer or part thereof unassessed in an answer book.
 - Giving more marks for an answer than assigned to it.
 - Wrong transfer of marks from the inside pages of the answer book to the title page.
 - Wrong question wise totalling on the title page.
 - Wrong totalling of marks of the two columns on the title page.
 - Wrong grand total.
 - Marks in words and figures not tallying.
 - Wrong transfer of marks from the answer book to online award list.
 - Answers marked as correct, but marks not awarded. (Ensure that the right tick mark is correctly and clearly indicated. It should merely be a line. Same is with the X for incorrect answer.)
 - Half or a part of answer marked correct and the rest as wrong, but no marks awarded.
11. While evaluating the answer books if the answer is found to be totally incorrect, it should be marked as (X) and awarded zero (0) Marks.
12. Any unassessed portion, non-carrying over of marks to the title page, or totaling error detected by the candidate shall damage the prestige of all the personnel engaged in the evaluation work as also of the Board. Hence, in order to uphold the prestige of all concerned, it is again reiterated that the instructions be followed meticulously and judiciously.
13. The Examiners should acquaint themselves with the guidelines given in the Guidelines for spot Evaluation before starting the actual evaluation.
14. Every Examiner shall also ensure that all the answers are evaluated, marks carried over to the title page, correctly totaled and written in figures and words.
15. In case of numerical questions, no marks should be awarded if only the final answer has been given, even if it is correct.
16. There should be no effort at 'moderation' of the marks by the evaluating teachers. The actual total marks obtained by the candidate may be of no concern to the evaluators.
17. Higher order thinking ability questions are for assessing a student's understanding / analytical ability.
18. For mere arithmetical errors, there should be minimal deduction. Only ½ mark should be deducted for such an error.
19. The Board permits candidates to obtain photocopy of the Answer Book on request in an RTI application and also separately as a part of the re-evaluation process on payment of the processing charges.

SET 1	Expected Answer / Value Points	Distribution of Marks														
	SECTION A – MICRO ECONOMICS															
1	c) interest on owner's capital	1														
2	d) P_1 to P_2 OR Diminishing	1 1														
3	Wages of casual labour, cost of raw material (any other relevant example) OR Rent of premises, Salary of permanent employee (any other relevant example)	$\frac{1}{2} + \frac{1}{2}$ $\frac{1}{2} + \frac{1}{2}$														
4	a) Equal to Marginal Revenue.	1														
5	Yes the given statement is correct. The economic problem of resource allocation arises because resources are scarce & can be put to alternate uses. If a resource can be put only to a specific use then the problem of resource allocation would not arise. (to be marked on a whole) OR Positive economics is that branch of economics which deals with economic issues as "what is". It is based on facts and actual data. e.g. Western Railways has earned ₹517.41 crores by selling scrap material in 2018-19. Normative economics is that branch of economics which deals with economic issues as "what ought to be". It is suggestive in nature. e.g. the government should promote social safety nets to take care of the poor population	3 1 ½ + 1 ½														
6	The law of diminishing marginal utility states as follows: 'As a consumer consumes more and more units of a specific commodity, without a time lag, the additional utility (satisfaction), he expects to derive from each successive unit will go on diminishing. <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Units Consumed (in units)</th> <th>Marginal Utility (in utils)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">20</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">15</td> </tr> <tr> <td style="text-align: center;">3</td> <td style="text-align: center;">10</td> </tr> <tr> <td style="text-align: center;">4</td> <td style="text-align: center;">5</td> </tr> <tr> <td style="text-align: center;">5</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="text-align: center;">6</td> <td style="text-align: center;">(-)3</td> </tr> </tbody> </table> In the given schedule, as the consumer consumes more and more units of a commodity one after the other, the Marginal Utility falls to zero(at 5 unit) and even becomes negative (at 6 unit). (Any other relevant example with explanation) Or	Units Consumed (in units)	Marginal Utility (in utils)	1	20	2	15	3	10	4	5	5	0	6	(-)3	1 ½ 1 ½
Units Consumed (in units)	Marginal Utility (in utils)															
1	20															
2	15															
3	10															
4	5															
5	0															
6	(-)3															

Alternatively:

The law of diminishing marginal utility states as follows:

‘As a consumer consumes more and more units of a specific commodity, without a time lag, the additional utility (satisfaction), he expects to derive from each successive unit will go on diminishing.



As shown in the above diagram as the consumer consumes more and more units of a commodity one after the other, the Marginal Utility curve slope downwards. It becomes equal to zero at point e. and negative these after this explains the law of diminishing marginal utility.

1 ½

½

7 At equilibrium under perfect competition is established where demand = supply

Therefore, $Q_D = Q_S$

$$2200 - 3P = 1800 + 2p$$

$$5P = 400$$

Equilibrium Price = ₹80

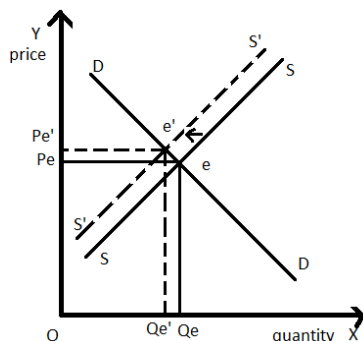
Equilibrium quantity can be determined by substituting **Equilibrium Price = ₹80** in Q_D or Q_S

$$Q_d = 2200 - 3P$$

$$Q_D = 2200 - 3(80)$$

Equilibrium Quantity = 1,960 units

OR



The market for a good is in equilibrium at point e. Any decrease in the supply only will shift the supply curve towards left of the original supply curve i.e. from SS to S'S'. This will create excess demand which will lead to competition among buyers, putting the upward pressure on price.)

New supply curve (S'S') intersects the original demand curve DD at higher point e', so equilibrium price will increase from OPe to OPe' and equilibrium quantity will fall from OQe to OQe'.
(any other valid explanation)

For visually impaired candidates:

(Diagram not required)

1

1

½

½

½

½

1 ½

1 ½

12	<p>a) Slope of the indifference curve = Marginal rate of substitution ($\frac{\Delta y}{\Delta x}$)</p> <p>b)</p> <p>i) $P_x.Q_x + P_y.Q_y = M$ $20.Q_x + 10.Q_y = 200$</p> <p>ii) Slope of Budget line $= \frac{P_x}{P_y}$ (ignoring minus sign) $= \frac{20}{10} = 2$</p> <p>iii) If the entire income is spent on Good Y Q_x is zero; $P_x.Q_x + P_y.Q_y = M$ $20 \times 0 + 10 \times Q_y = 200$ $Q_y = 20$ units.</p> <p style="text-align: center;">OR</p> <p>The law of equi-marginal utility states that the consumer will get maximum satisfaction if the MU of the last rupee of expenditure on each good is the same.</p> <p style="text-align: center;">$\frac{MU_x}{P_x} = \frac{MU_y}{P_y} = MU$ of last rupee on each good.</p> <p>Suppose $\frac{MU_x}{P_x} > \frac{MU_y}{P_y}$, it means that per rupee MU from consumption of X is higher than the price to be paid for it. This induces the consumer to buy more of X and less of Y. This reduces MU_x and raises MU_y till $\frac{MU_x}{P_x} = \frac{MU_y}{P_y}$. (Explanation based on $\frac{MU_x}{P_x} < \frac{MU_y}{P_y}$ is also correct).</p> <p style="text-align: right;">(to be marked as a whole)</p>	<p>1</p> <p>1</p> <p>½</p> <p>1</p> <p>½</p> <p>1</p> <p>1</p> <p>6</p>
SECTION B – MACRO ECONOMICS		
13	<p>c) sale of shares of a Public sector undertaking (PSU) to X Limited (Private Company)</p> <p style="text-align: center;">OR</p> <p>Interest, dividends. (or any other valid example).</p>	<p>1</p> <p>1</p>
14	c) 5	1
15	deficit	1
16	It refers to initial deposits with the commercial banks.	1
17	<p>There exists an inverse relationship between the multiplier and MPS.</p> <p>$K = \frac{1}{MPS}$</p> <p>Higher the value of MPS, lower is the value of multiplier.</p> <p>Example: If the value of MPS falls from 0.5 to 0.2, the value of multiplier will rise from 2 to 5.</p> <p style="text-align: right;">(any other relevant example)</p> <p style="text-align: center;">OR</p> <p>i) Full employment refers to a situation of no involuntary employment.</p> <p>ii) Involuntary unemployment refers to a situation when a person who is willing and able to work at the prevailing wage rate, does not get work</p>	<p>1</p> <p>1</p> <p>1</p> <p>1 ½</p> <p>1 ½</p>
18	<p>The economy is in equilibrium at that income level at which saving = investment. If, planned savings are more than the planned investments ($S > I$), it leads to building up of inventories with the producers. In order to bring down the inventories to the desired level, producers cut down production which brings down the income. Such a movement continues till savings become equal to the investments.</p> <p style="text-align: right;">(to be marked as a whole)</p>	3
19	<p>a) The given statement is true. Generally, the governments collect higher taxes from the rich people and spend it on the welfare of the poor. Thereby, reducing the inequalities of income.</p> <p>b) The given statement is false, because recovery of loans is a capital receipt. It does not affect the revenue receipts.</p>	<p>2</p> <p>2</p>

