Workbook [कार्य-पुस्तिका] [Competency-based Learning through Objective Questions]

[.]		
the Blanks In the Bl		
* MIII * 1		
the level of output.	tion function, factor ratio ten	de to ska
change in the		(short/long)
can never be zero.		(TP MP)
		$\left(\frac{TP}{L} \middle/ \frac{MP}{L}\right)$
piminishing MP implies retu	rns to a factor	(MP/AP)
Relationship between physical inputs and physical sections and physical section in the section is the section of the section of the section in the section is the section of the section o	cal output is called (neg	ative/diminishing)
	(DEOduction for a	
f. In case of long period production function, our	(production function/t	echnical function)
	(variable fact	or only all factors)
MP implies that TP stops inc	reasing.	Zero/Diminishing)
Marginal product curve is in	nature. (U-shaped)	inverse Lichard
When MP is AP, AP is at its h	ighest point.	equal to loss then
When total product begins to fall, marginal pro	duct turns	(Dositive negative)
1. Labour is an example of:		
hoose the correct option:		
1. Labour is an example of:		
(a) a fixed factor	(b) a variable factor	
(c) both (a) and (b)	(d) none of these	
2. Production is a process of:		
(a) consumption	(b) income generation	
(c) value addition	(d) value deduction	
Physical product refers to production as mea	sured in terms of:	
(a) physical units	(b) monetary units	
(c) utility	(d) value	
4. Total Product =	11 Caston	
(a) Sum total of output of each unit of the var	lable factor	e factor
(b) Sum total of marginal product correspond	ing to each title of the	
(c) Per unit output of the variable factor		
both (a) and (b) Marginal		
Marginal product is calculated as	$(b) MP = TP_{n+1} - TP_{n-2}$	
$^{(q)} MP = \frac{\Delta TP}{\Delta AP}$	(, ,	
$(c) MP = TP_{n} - TP_{n-1}$	$(d) MP = \frac{\Delta AP}{\Delta L}$	
$P_n - TP_{n-1}$	(α) MII ΔL	turns to a Factor 32

6.	When MP is zero:						
	(a) there is no addition to total product	(b) total product is maximum					
	(c) average product is zero	(d) both (a) and (b)					
7.	When average product is at its maximum:						
	(a) average product > marginal product	(b) average product < marginal product					
	(c) average product = marginal product	(d) marginal product is also at its maximum					
8.	Average product curve is:						
	(a) a positive straight line	(b) a negative straight line					
	(c) a U-shaped curve	(d) an inverse U-shaped curve					
9.	Diminishing MP implies:	•					
	(a) TP is increasing at an increasing rate	(b) TP is increasing at a diminishing rate					
	(c) TP is increasing at a constant rate	(d) TP stops increasing					
10.	Short run is a period of time when a firm ca	an increase its output:					
	(a) only by increasing the application of a fix	ked factor					
	(b) only by increasing the application of a va	riable factor					
	(c) by increasing the application of all factor	S					
	(d) none of these						
11.	Diminishing returns to a factor is due to						
	(a) fixity of the factor	(b) poor coordination between the factors					
	(c) better coordination between the factors	(d) both (a) and (b)					
12.	Law of variable proportions can be postpor	ned through:					
	(a) new technology	(b) discovery of the substitute of fixed factor					
	(c) longer hours of work	(d) both (a) and (b)					
13.	In the first stage of production:						
	(a) total product is increasing at an increasing	ng rate					
	(b) marginal product is decreasing						
	(c) marginal product is increasing						
1.4	(d) both (a) and (c)						
14.	When the input of labour is increased from marginal product is:	1 4 to 6 units, output increases from 50 to 80, then					
	(a) 15						
	(c) 130	(b) 30					
15.	• •	(d) 1.6					
10.	labour is:	P of 2nd unit of labour is 15, then TP of 2 units of					
	(a) 10	(b) 15					
	(c) 20	(d) 25					
		4 .					
T-3							
e o	r False						

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Tru

State whether the following statements are True or False:

- 1. Both average product and marginal product can be negative.
- 2. MP becomes zero in the second phase of law of variable propontions.
- 3. A rational producer never stops in second stage of production.

(True/False)

(True/False)

(True/False)

Production function establishes the relationship between technology and

I production function establishes the relationship between technology and

I production function of time.

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SET-4

TUE-False Alternatives

In the following questions (1-5), two statements are given. Read the statements carefully and choose the correct alternative among those given below:

Alternatives:

- $_{(a)}$ Both the statements are true
- (b) Both the statements are false
- (c) Statement 1 is true and Statement 2 is false
- (d) Statement 2 is true and Statement 1 is false
- 1. Statement 1: AP rises when MP is above it and falls when MP is below it.
 - Statement 2: AP is at its minimum when AP = MP.
- 2. Statement 1: When MP is zero, TP is also zero.
 - Statement 2: TP determines the shape of MP.
- 3. Statement 1 : Average product is the addition made to the total output when one more unit is produced.
 - Statement 2: Slope of a straight line MP curve is equal to zero.
- 4. Statement 1: TP decreases when MP is negative.
 - Statement 2: Variable factors of production can be changed in the short run.
- 5. Statement 1: Average product can rise even when MP is falling.
 - Statement 2: MP is the rate of change in TP.

<u> SET-5</u>

Choose the Correct Pair of Statements/Identify the Correct Sequence of Alternatives

1. From the set of statements given in Column I and Column II, choose the correct pair of statements:

statements:					
Column I	Column II				
A. Maximum TP B. Stage II of production C. Short run production function D. Constant MP	 (i) Zero AP (ii) Negative MP (iii) Scale of output remains constant (iv) TP increases at an increasing rate 				

Alternatives:

(a) A—(i)

(b) B—(ii)

(c) C—(iii)

(d) D—(iv)

2. Identify the correct sequence of alternatives given in Column II by matching them with

Column I	Column II			
A. Short run	Total product			
. Conort run	$\overline{\text{Units of variable factor}}$			
B. TP	(ii) TP increases at an increasing rate			
C. Rising MP	(iii) ΣΜΡ			
D. AP	(iv) Only variable factors change			

Alternatives:

- (a) A—(iv), B—(i), C—(ii), D—(iii)
- (b) A—(iv), B—(iii), C—(ii), D—(i)
- (c) A—(ii), B—(iv), C—(iii), D—(i)
- (d) A--(iii), B---(i), C---(ii), D---(iv)

SET-6

Assertion and Reasoning

In the following questions (1-5), a statement of Assertion (A) is followed by a statement of Reason (R). Choose the correct alternative among those given below:

Alternatives:

- (a) Both Assertion (A) and Reason (R) are true and Reason (R) is the correct explanation of
- (b) Both Assertion (A) and Reason (R) are true and Reason (R) is not the correct explanation of
- (c) Assertion (A) is true but Reason (R) is false
- (d) Assertion (A) is false but Reason (R) is true
- 1. Assertion (A): Long run production function is also called constant proportions type production function.
 - Reason (R) : Factor ratio does not change with the change in the level of output in case of long run production function.
- 2. Assertion (A): Diminishing MP implies negative returns to a factor.
 - : Diminishing MP is observed in stage II of the production.
- 3. Assertion (A): Per unit output of the variable factor is called marginal product.
 - Reason (R) : TP falls when MP of the variable factor becomes negative.
- 4. Assertion (A): Maximum production is attained when MP is zero.
- Reason (R) : MP is the slope of TP.
- 5. Assertion (A): Marginal product can be zero as well as negative.
 - Reason (R) : AP curve is generally U-shaped in nature.



ANSWERS

SET-1

- 5. production function 1. short 4. diminishing
- 8. inverse U-shaped 7. Zero 6. all factors 9. equal to
- 10. negative

1. (b) 11. (d)	. ,	3. (a) 13. (d)		5. (c) 15. (d)	6. (d)	7. (c)	8. (<i>d</i>)	9. (<i>b</i>)	10. (b)
SET-3 1. False	2. True	3. False	4. False	5. True	6. False	7. True	8. True	9. False	10. True
<u>SET-4</u> 1. (c)	2. (b)	3. (d)	4. (a)	5. (a)					
SET-5 1. (c)	2. (b)								
SET-6 1. (a)	2. (d)	3. (d)	4. (b)	5. (c)					

CET 7