ATOMIC ENERGY CENTRAL SCHOOL, NARORA

UNIT TEST-II 2018-2019

Class: **XI-Com**. Max marks: 50

Sub: Economics Time allowed: 1-1/2 hrs

General Instructions:

(i) All questions are compulsory and marks are mentioned in front of each questions.

(ii) Electronic devices are prohibited to use in the examination.

(iii) Use Blue or Black pen only.

(iv) Don't write answer or objectionable things on question paper.

SECTION-A

1. Answer the following questions: 1x 5=5

(i) Define production function.

(ii) What is meant by producer's equilibrium?

(iii) Give two examples each of fixed cost and variable cost.

(iv) What are net profits?

(v) Find the average product when total product is 100 units and units of variable factor are 4.

2. Answer the following questions:

(a) Distinguish between fixed costs and variable costs. 3

(b) What is meant by total revenue, average revenue and marginal revenue? 3

(c) Explain the relationship between average cost and marginal cost. 3

3. Complete the following table: 3

Output (units)	TVC (Rs)	AVC (Rs)	MC (Rs)
1	20	----	----
----	----	16	12
3	54	----	----
----	----	20	26

4. Complete the following table: 4

Output (units)	Average revenue (Rs)	Total revenue (Rs)	Marginal revenue (Rs)
1	20	----	----
2	----	36	----
3	----	----	9
4	13	52	----
5	----	----	- 2

5. What are the different phases in the law of variable proportions in terms of total product? Use diagram. 4

SECTION –B

6. Answer the following questions: 1 x 5=5

(i) What do you mean by mode?

(ii) Find the median of the following values:

30, 20, 15, 10, 25, 35, 18, 21, 28, 40, 36

(iii) Give any two characteristics of good average.

(iv) Pocket allowance of 10 students is Rs.15, 20, 30, 22, 25, 18, 40, 50, 55, and 65. Find out the average pocket allowance.

(v) Give formula of weighted average.

7. Define the following: 3

(a) Range (b) Standard deviation (c) Lorenz curve

8. Calculate range and coefficient of range from the following data: 3

Income (Rs):	50	70	80	90	100	120	130	150
No. of workers:	2	8	12	7	4	3	8	6

9. Define median. Discuss its merits and demerits. 3

10. Students of class XI obtained following marks in statistics in the weekly test: 3

Marks:	4	5	6	7	8
No. of students:	12	10	18	20	24

Calculate arithmetic mean using direct or short-cut method.

11. Calculate median, Q1, Q3 and D9 from the following data: 4

Wages	39	45	80	100	110	130	150	180	200
No. of students	5	7	8	9	11	20	12	4	3

12. Find out quartile deviation and the coefficient of quartile deviation of the following data: 4

Height(inches)	58	59	60	61	62	63	64	65	66
No. of students	2	3	6	15	10	5	4	3	1