**LESSON PLAN/NOTE FOR WEEK 6 ENDING 20/10/2023.**

**Term**: First

**Week**: 6

**Date**: 17/10/2023

**Class**: SS 2

**Subject**: Economics

**Topic**: Production possibility curve

**Sub-Topic:** Relationship between total, average and marginal product and law of variable proportion.

**Period**: 6th

**Time**: 11:50—12:30

**Duration**: 40 Minutes

**Number in class**: 10 Students

**Average Age:** 14 Years

**Sex**: Mixed

**Specific objectives:** By the end of the lesson, the students should be able to:

(1) State the relationship between total, average and marginal product.

(11) Plot the relationship between total, average and marginal product in a graph.

(111) Explain the law of variable proportion.

**Rationale:** For the students to be able to show the relationship between total, average and marginal product and state the law of variable proportion.

**Previous knowledge**: The students have been seeing some reduction in the commodities they purchased in the market.

**Instructional materia**l: A chart showing the relationship between total, average and marginal product as well as a table showing law of variable proportion.

**Reference material:** Gbenga Babalola (2020) metropolitan Economics for senior secondary schools.

**LESSON DEVELOPMENT**

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| **Stages/Steps** | **Teacher's Activities** | **Students' Activities** | **Learning points** |
| **Introduction** | Reviews the previous lesson | Participate actively in the class discussion. | To arouse the students interest to learn. |
| **Step 1** | Guides the students to state the relationship between total, average and marginal product | Respond to the class activity | To encourage critical thinking. |
| **Step 11** | Leads the students to Plot the relationship between total, average and marginal product | Plot the relationship between total, average and marginal product in a graph. | To enable the students reason logically. |
| **Step 111** | Asks the students to explain the law of variable proportion | Explain the law of variable proportion | For better understanding of the lesson |
| **Board Summary** | Summarizes the lesson as:  **Relationship between Total, Average and Marginal product.**  Total, Average and Marginal product can be calculated using table. The relationship between total, average and marginal product can best be demonstrated by a graph. TP, AP and MP rise initially. TP rises sharply and curves at a maximum when MP is zero. To declines after MP=0 and MP assumes negative value.  **Law of variable proportion (Law of diminishing returns)**  Law of variable proportion , also known as law of diminishing marginal productivity states that if one factor of production is continuously increased by a constant amount, while other factors are held fixed in quantity, then , after a certain point, the resulting increases in output will begin to diminish. In other words, the law of variable proportion holds that if increasing quantities of one factor are combined with a fixed supply of others in production, a point is reached from which each extra variable factor added yields less and less addition to the total output. | Copy and submit the note book for marking | For future reference |
| **Evaluation** | Evaluates the lesson as:  (1) State the relationship between total, average and marginal product  (2) Plot the relationship between total, average and marginal product in a graph.  (3) Explain the law of variable proportion. | Respond to the questions | Ascertaining the attainment of the stated objectives. |
| **Conclusion** | Rounds up the lesson by marking and correcting students work | Check and do their correction. | Consolidation of the lesson |
| **Assignment** | Gives home work as:  (1) State 3 importance of the law of variable proportion. | Respond by doing the home work at home. | To ensure continuity of learning. |

20TH October 2023

Approved!

DEPUTY HEAD INSTRUCTOR ADMIN