



# ELIZADE UNIVERSITY, ILARA-MOKIN, ONDO STATE

**FACULTY: HUMANITIES, SOCIAL & MANAGEMENT SCIENCES**

**DEPARTMENT: BUSINESS ADMINISTRATION**

**FIRST SEMESTER EXAMINATIONS**

**2020/2021 ACADEMIC SESSION**

**COURSE CODE: BUS 301**

**COURSE TITLE: PRODUCTION MANAGEMENT**

**DURATION: 2 HOURS**

**INSTRUCTION: Attempt any four (4) Questions**

## Question One

Explain the following terms:

- i. Product design
- ii. Material Requirement Planning.
- iii. Benchmarking
- iv. Reverse Engineering
- v. Form design.

15 marks.

## Question Two

- a. Mention five (5) reasons required of an organization to design new product. 5 marks.
- b. Mention three (3) fundamental strategies that guide the new products introduction. 3 marks.
- c. Mention the seven (7) steps involved in product design. 7 marks.

## Question Three

- a. What do you mean by the term "Maintainability"? 3 marks.
- b. Elizade University Ilara Mokin must choose a service provider for the ICT site, other factors being equal, she will base her decision on server availability. Given the following server performance data, which provider should she choose? Give reason. 12 marks.

Provider	MTBF (hr.)	MTTR (hr.)
Globacom	60	4.0
Airtel	36	2.0
MTN	24	1.0

MTBF = Mean Time between Failure

MTTR = Mean Time between Repair

#### **Question Four**

- (a) Explain the term "Break-Even-Analysis" in process selection. 5 marks
- (b) Atama and Iqman formed a company to produce rubber soles. The initial investment in plant and equipment is estimated to be #2000. Labour and material cost is approximately #5 per sole. If the sole can be sold at #10 each, what volume of demand would be necessary to break even? 10 marks

#### **Question Five**

With the aid of a diagram, explain the five major components of an operations or production systems: 15 marks

#### **Question Six**

1. a) Define Forecasting 2 marks
- b) Explain the three major types of forecasting 3 marks
- c) Define quality control. 2 marks
- d) Enumerate 4 different elements of quality control. 4 marks
- e) State two (2) features and Two (2) objectives of Material Management 4 marks