ELIZADE UNIVERSITY

ILARA-MOKIN

ONDO STATE

FACULTY: Social and Management Sciences

DEPARTMENT: Business Administration

FIRST SEMESTER EXAMINATIONS

2018/2019 ACADEMIC SESSION

COURSE CODE: BUS 301
COURSE TITLE: PRODUCTION MANAGEMENT
DURATION: $2\frac{1}{2}$ HOURS

HOD's SIGNATURE

TOTAL MARKS:

Matriculation Number: _____

INSTRUCTIONS:

1. Write your matriculation number in the space provided above and also on the cover page of the exam booklet.
2. This question paper consists of 2 pages with printing on both sides.
3. Answer all questions in the examination booklet provided.
4. Attempt any 4 questions.
5. All questions carry equal marks (15 marks)

1. a) Define Network Analysis   2 marks
   b) State the main two types of Network Analysis commonly known   5 marks
   c) State ten other different names used for this network techniques that has been developed
            4 marks
   d) What are the advantages of using Network Techniques   4 marks

2. a) State the condition that can make a policy on whether to make or buy a product   2 marks
   b) Discuss the advantages and disadvantages of each method adopted in reference to question (i)
            4 marks
   c) Enumerate eight steps in planning   9 marks

3. a) Define Reliability   2 marks
   b) Define Engineering Reliability   4 marks
   c) A manufacturing industry has the annual use of the item to be 1200 units per year and the set up cost to be N0.25 per set up. The carrying cost is N0.25 per piece per year. Calculate the economic lot size.   2 marks
   d) Three Topogun manufacturing centres have been designed to manufacture the same job (ignoring speed, production and safety). A group of 20 workers, each of the three manufacturing centre, performed the job 120 times; 1st manufacturing centre resulted in 30 errors, 2nd manufacturing centre resulted in 45 errors, 3rd manufacturing centre resulted in 50 errors. What is the best manufacturing centre? What is the reliability of each?   7 marks

4. a) Define Forecasting   2 marks
   b) Explain the three major types of forecasting   3 marks
   c) What is Qualitative Forecasting?   2 marks
   d) List five Quantitative Forecasting Methods   4 marks
   e) Explain the following terms in relation to the characteristics of Forecasting:
      i.   Models
      ii.   Time Horizons
      iii.   The pattern of Inputted Data   4 marks

5. a) Define Material Handling System   3 marks
   b) State the main objectives of Materials Handling   3 marks
   c) State 5 approaches that the Materials Handling Manager may use to solve the material handling problems   4 marks
   d) List some Material Handling Equipment   5 marks

6. a) Write a short note on the following theory of Organization:
      i.   Interaction Theories and   2 marks
      ii.   Conflict Theories   2 marks
   b) State 3 things that Organizational Structure of an industrial set up depended upon   2 marks
   c) State 4 advantages and four disadvantages of a Line Organization Structure   5 marks
   d) With the aid of a sketch, explain a Line Organization Structure   4 marks