Click to download more NOUN PQ from NounGeeks.com



NATIONAL OPENUNIVERSITY OF NIGERIA PLOT 91, CADASTRAL ZONE, NNAMDI AZIKIWE EXPRESS WAY, JABI – ABUJA FACULTY OF MANAGEMENT SCIENCES DEPARTMENT OF FINANCIAL STUDIES 2021 2 EXAMINATION

COURSE CODE: MBF839 CREDIT UNIT: 3

COURSE TITLE: QUANTITATIVE TECHNIQUES FOR BANKING & FINANCE

TIME ALLOWED: 2^{1/2}HRS

INSTRUCTIONS:

1. Attempt Question One (1) and any other three (3) questions

2. Question 1 carries 25 marks, while the other questions carry 15 marks each.

3. Present all points in coherent and orderly manner

1. A small project consists of seven activities for which the relevant data is given below:

Activity	Preceeding activities	Time duration (days)
A	-	4
В	-	7
C	-	6
D	A,B	5
E	A,B	7
F	C,D,E	6
G	C,D,E	5

- i. Draw the network of the project and identify the activity paths in the project. 15 marks
- ii. Calculate the time schedule, including the slack time of the activities of the project. 5 marks
- iii. What is the project completion time and what are the critical activities? 5 marks
- **2a.** Talk on Net Present Value and how is it computed? **5 marks**
- **b.** Compute the present value of N1,000 receivable in seven year's time, assuming a 5% rate of interest.

 5 marks
- c. Simplify the algebraic expression: $-3 (x 2y + 7z^3)$ 5 marks
- **3a.** Explain the objective functions and the constraint of LP; 5 marks
- **b.** Differentiate the four costs associated with inventory

Click to download more NOUN PQ from NounGeeks.com

i. Cost of Holding Stock:	2.5 marks
ii. Costs of Obtaining Stock: `	2.5 marks
iii. Stock-out Costs:	2.5 marks
iv. Costs of Stock:	2.5 marks
4a. Explain the basic assumption of Economic Order Quantity (EOQ)	6 marks
b. Decompose time series into its various components	9 marks
5a. What do you understand by the term correlation?	9 marks
b. Explain the need for linear regression in statistical analysis.	6 marks