

**FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA
SCHOOL OF ENVIRONMENTAL TECHNOLOGY
DEPARTMENT OF QUANTITY SURVEYING**

TITLE OF THE PAPER: FIRST SEMESTER EXAMINATION

COURSE TITLE: CONSTRUCTION MANAGEMENT

COURSE CODE: QTS 414

TIME ALLOWED: 2HOURS 30MINS

**INSTRUCTION: QUESTION ONE (1) IS COMPULSORY AND ANY OTHER
THREE (3).**

CREDIT UNIT: 2

QUESTION 1

- a) Enumerate 4 conditions that would make hiring a plant a better option than buying of plant for a medium size company.
- b) List 4 ways of carrying out maintenance on such plant.
- c) What is Budget? What are the characteristics of a good budget?
- d) Differentiate between Labour budget and cash budget?

QUESTION 2

Plant and materials are essential resources in construction project, without these, completing construction projects within time and cost may be difficult to achieve. Hiring of plant and bulk purchase of materials without doubt will generally lead to save in time, cost and manpower and at the same time offer a better finish to work. However, costs can only be reduced through efficient management of these resources.

- a. Itemise the factors involved in plant management.
- b. List the factors to be considered by a plant manager when selecting plant and equipment for construction.
- c. Highlight the advantages of effective material management to a project manager that desires to save costs through materials.

QUESTION 3

- a) Briefly explain the term Cash flow.
- b) Enumerate six (6) qualities of a manager in a construction organization.
- c) Outline five effects of poor cash-flow forecasting in a construction company.
- d) Outline four (4) advantages of budgeting and budgetary control in a construction company.

QUESTION 4

A construction company is experiencing difficulties in its control of wastages and loss of materials on site with adverse resultant effect on its project contract sum. As a Quantity Surveyor/material manager, you have been requested by the company to;

- a) Briefly explain 6 management procedures for material procurement delivery to site.
- b) Itemize 4 effects of poor material management.
- c) Define the following terms