



ELIZADE UNIVERSITY, ILARA-MOKIN,
ONDO STATE, NIGERIA

DEPARTMENT OF MECHANICAL ENGINEERING

SECOND SEMESTER EXAMINATIONS

2017/2018 ACADEMIC SESSION

COURSE: GNE 302 – Engineering Communication (2 Units)

CLASS: 300 Level General Engineering

TIME ALLOWED: 2 Hours

INSTRUCTIONS: Answer any **FOUR** questions

A handwritten signature in black ink, enclosed in a rectangular box.

HOD'S SIGNATURE

Date: July/August, 2018

Question 1

- (a) What 4 indices would qualify a research work for patent? (2 Marks)
- (b) The following phrases appear in selected theses, make corrections on the citations (enlarged for clarity) where necessary, based on APA referencing style:
- (i) According to Koya, O. A. and Faborode, M. O. (2005), the ...
 - (ii) ... developing countries supply over 50% of the global crayfish and fisheries products (FAO, September 2012)
 - (iii) Water level rises by over 20% at the beginning of the rains (Oke, *et al.*, 2017).
 - (iv) The number of private universities is higher than the sum of the federal and state universities, but government support is in the reverse (Prof. O. A. Omopariola, 2018)
 - (v) Engineering remains the main thrust for the industrialisation of the nation (Opeke, O. B., Oyewola, K. O., Olofinsao, T. B., Charles, K. K. and Okobo, P. B., 2007). (5 Marks)
- (c) (i) “*You can be well prepared and still give a bad presentation if your nonverbal communication is poor*”. What are these nonverbal communication? (4 Marks)
- (ii) Briefly discuss four ways a speaker could improve on nonverbal communication? (4 Marks)

Question 2

- (a) Why is Effective Communication so important to the Engineer? (2 Marks)
- (b) In structuring a technical writing, or a speech, describe 5 strategies that may be employed. (5 Marks)
- (c) Write a letter through your Head of Department, through the Dean, and through the Director of Student Affairs, to request for permission from the Vice-Chancellor to travel outside the country for two weeks during the holidays. (8 Marks)

Question 3

- (a) List four types of documents engineers are normally required to prepare in practice? (2 Marks)
- (b) List ten different oral presentation in which it is advisable, perhaps compulsory to read out rather than use outlines. (5 Marks)
- (c) Make an outline of the 8 important features to appear in a term paper (4 Marks)
- (d) Edit the following to reduce the number of words, and correct grammatical problems.
- (i) The establishment of a panel of experts in safety was needed for investigation of accidents by miners in Pennsylvania.
- (ii) To most people, aerospace engineering is thought to be working on space ships. The job of an aerospace engineer is much more than that. (4 Marks)

Question 4

- (a) How does Executive Summary differ from Abstract? (2 Marks)
- (b) Briefly describe five common types of speeches. (5 Marks)
- (c) List some signs of speech anxiety during oral presentation, and suggest ways of overcoming them. (8 Marks)

Question 5

- (a) List five common features in the prefatory section of a technical report. (2 Marks)
- (b) Briefly explain what constitutes "mechanical accuracy" in technical report writing. (5 Marks)
- (c)
- (i) What is the main goal in Public Speaking? (4 Marks)
- (ii) Describe three factors which may influence this goal? (4 Marks)

Edit the following sentences to improve the grammar and style:

- (iii) The value of power required is 3.5 KW
- (iv) The money was utilised in buying needed materials.
- (v) The sensor reads 125°C. (4 Marks)
- (vi) The trend is shown in table 3.