



MACHAKOS UNIVERSITY

University Examinations for 2019/2020 Academic Year

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

THIRD YEAR SPECIAL/SUPPLEMENTARY EXAMINATION FOR

DIPLOMA IN ELECTRICAL ENGINEERING

EED 314: ENGINEERING SERVICE CONTRACT

DATE: 19/01/2021

TIME: 2.00-4.00 PM

INSTRUCTIONS

Answer Question One and any Other Two Questions

1.
 - a) Explain four purposes of law (10 marks)
 - b) Explain the following terms as used in law
 - i. Civil and criminal law
 - ii. Procedural and substantive law
 - iii. Public and private law
 - iv. International law (12 marks)
 - c) With regards to law of contract, explain four(4) instances where an offer may be terminated (8 marks)
2.
 - a) Explain three (3) essential components of contract (6 marks)
 - b) Name and explain types of contracts giving an advantage and disadvantage of each (14 marks)
3.
 - a) Categorize costs in the tendering process (6 marks)
 - b) Trade unions are important part of industry. Convince a newly employed employee why he should join a union. (4 marks)
 - c) Giving example, explain the process of estimation in each step. (10 marks)
4.
 - a) Define the following terms

- i. Tender
 - ii. Tender document (4 marks)
 - b) Differentiate the following
 - i. Physical and state law
 - ii. Tort and crime (8 marks)
 - c) Discuss four (4) types of tenders indicating their advantage and disadvantages (8 marks)
- 5.
- a) Name and explain the source of law (8 marks)
 - b) Explain the functions of an electrical engineer (8 marks)
 - c) Name factors to be considered when purchasing electrical equipment. (4 marks)