



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)