



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF ENGINEERING AND TECHNOLOGY
UNIVERSITY EXAMINATION FOR DIPLOMA IN BUILDING AND CIVIL
ENGINEERING
1ST YEAR 1ST SEMESTER 2015/2016 ACADEMIC YEAR
MAIN CAMPUS

COURSE CODE: TBC 2113

COURSE TITLE: INTRODUCTION TO BUILDING AND CIVIL ENGINEERING

EXAM VENUE:

STREAM: (Dip. Building & Civil Eng.)

DATE:

EXAM SESSION:

TIME: 1 ½ HOURS

Instructions:

- 1. Answer Question ONE (COMPULSORY) and ANY other 2 questions**
- 2. Candidates are advised not to write on the question paper.**
- 3. Candidates must hand in their answer booklets to the invigilator while in the room**

QUESTION ONE

- a) Define Civil Engineering. (2 marks)
- b) Discuss the relevance of career in building and civil engineering in Kenya. (10 marks)
- c) Describe the role of technicians, craftsmen and artisans in construction Project. (8 marks)

QUESTION TWO

- a) Shelter is a human right. Discuss how this right is being achieved in Kenya. (10 marks)
- b) Construction industry is prone to accidents, how can this be minimized. (10 marks)

QUESTION THREE

- a) Outline construction project process starting from needs assessment to project delivery. (10 marks)
- b) Compare and contrast the characteristics of Construction Industry Versus Manufacturing Industry. (10 marks)

QUESTION FOUR

- a) Discuss the role of three key players (owner, designer and contractor) in any construction project. (10 marks)
- b) Explain the need of a subcontractor in construction implementation Arrangement. (10 marks)

QUESTION FIVE

- a) State any TWO methods of identifying building or civil engineering project in a county. (4 marks)
- b) Briefly explain the role of building and civil engineering infrastructural development in economic growth of a county. (10 marks)
- c) Discuss the need of social studies in engineering. (6 marks)