



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF SPATIAL PLANNING
UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF ARTS IN
SPATIAL PLANNING
SEMESTER 2016/2017 ACADEMIC YEAR

CENTRE: MAIN CAMPUS

COURSE CODE: PPB 1312

COURSE TITLE: TRANSPORTATION PLANNING

EXAM VENUE:

STREAM: SPATIAL PLANNING

DATE:

EXAM SESSION:

TIME: 2 HOURS

Instructions:

- 1. Answer question 1 (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 examination room.**

1) a) Define transportation planning

(2 marks)

- b) Explain **SIX** factors considered when choosing a transport facility (12 marks)
 - c) Explain **THREE** reasons for transportation planning (6 marks)
 - d) Explain **FIVE** challenges facing urban transportation in Kenya (10 marks)
- 2) a) Discuss the advantages of the highway road system (10 marks)
- b) Explain **FOUR** general factors that affect accessibility (4 marks)
 - c) Explain **THREE** factors considered when choosing a transport facility (6 marks)
- 3) a) Railway transport can be classified according to area served and type of functions. Discuss (6 marks)
- b) Discuss the types of air transport system (6 marks)
 - c) Explain **FOUR** types of water transport (8 marks)
- 4) a) Explain the three major factors that influence the choice of mode by travellers (6 marks)
- b) Discuss the attributes or qualities required for a vehicle to perform its functions. (14 marks)
- 5) a) Discuss the **FOUR** transport network patterns which determines the quality of public transport (12 marks)
- b) Explain the main sources of revenue from the transportation system (8 Marks)