



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF HEALTH SCIENCES

UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE

ENVIRONMENTAL HEALTH

3RD YEAR 1ST SEMESTER 2018/2019 ACADEMIC YEAR

MAIN CAMPUS

COURSE CODE:

HPD 3322:

COURSE TITLE:

ENVIRONMENTAL HEALTH IMPACT

ASSESSMENT AND AUDIT

EXAM VENUE:

STREAM: BSc Public

DATE:

EXAM SESSION:

TIME: 2.00 HOURS

SECTION A: Answer All Questions

- 1) Highlight three criterion of Environmental health impact assessment (3mks)
- 2) Explain three types of checklists in Environmental Impact Assessment (3mks)
- 3) Give three factors which influence the prediction of noise levels in urban setting (3mks)
- 4) Give the benefits of conducting Environmental Health impact assessment in health sector (3mks)
- 5) State three challenges experienced when undertaking Environmental Health Impact Assessment (3mks)
- 6) Explain the following as applied in Environmental impact assessment and Audit:
 - i) Matrices (1mks)
 - ii) Network analysis (1mk)
 - iii) Overlays (1mk)
- 7 State three benefits of baseline data in Environmental impact assessment (3mks)
- 8 Explain three benefits of conducting environmental audit (3mks)
- 9 Highlight key stages in the prediction and assessment of impacts (3mks)
- 10 Outline the shortcomings of project based environmental impact assessment (3mks)

SECTION B: ANSWER ANY Two Questions

- 11a) After identification and evaluation of impacts, it's a fundamental objective of environmental impact to highlight measures that mitigate the unavoidable adverse consequences. Discuss strategies to be adopted in order to mitigate adverse environmental consequences before implementing a health project (12mks)
- b) Describe types of environmental audit that can be carried out by various environmental health organizations in Kenya (8mks)
- 12a) Explain the steps you would adopt when auditing student safety in the halls of residence in your University (10mks)
- b) Explain tools and techniques used in environmental auditing (10mks)
- 13a) Explain the strengths and shortcomings of using limit values (8mks)
- b) Critically examine the kind of information you would collect if you were to conduct waste audit of Mazalendo solid waste dumping site (10mks)