

JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
UNIVERSITY EXAMINATIONS
HCD 3225: PRINCIPLES OF EPIDEMIOLOGY

Instructions: Answer Question 1 (compulsory) and any three questions

Question 1

Give a brief account of Epidemiological approaches of :

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|-----------------------------|-----------|
| a) Descriptive Epidemiology | 7.5 marks |
| b) Analytical Epidemiology | 7.5 marks |

Question 2

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|---|----------|
| a) What is molecular Epidemiology? | 3 marks |
| b) Explain the applications of molecular epidemiology | 12 marks |

Question 3

Explain briefly the Concepts and principles of Epidemiology 15 marks

Question 4

Give an account of factors should to consider when the adopting the screening technique:

- | | |
|----------------------------|-----------|
| a) Cancers | 7.5 marks |
| b) Cardiovascular Diseases | 7.5 marks |

Question 5

Discuss the patterns of occurrences of Non-communicable diseases and communicable diseases

15 marks

Question 6

Discuss Measurements of disease frequency

15 marks