

PROGRAM : NATIONAL DIPLOMA

ENVIRONMENTAL HEALTH

SUBJECT : EPIDEMIOLOGY II

CODE © GEP211A

DATE 11 NOVEMBER 2014

FINAL EXAMINATION

DURATION 3 HOURS

WEIGHT : 50:50

TOTAL MARKS : 150

EXAMINER : MR TT SIGUDU

MODERATOR : MRS CHADYIWA

NUMBER OF PAGES : 3

INSTRUCTIONS TO CANDIDATES:

- 1. ANSWER ALL QUESTIONS
- 2. READ YOUR QUESTIONS CAREFULLY, YOU WILL BE PENALISED IF YOUR ANSWERS ARE NO PROPERLY STRUCTURED
- 3. YOU CAN START WITH ANY QUESTION, BUT DO NOT DIVIDE SUB-QUESTIONS OF THE SAME QUESTION
- 4. PLEASE WRITE NEATLY

GOOD LUCK!!!

TAKE TIME BY THE FORELOOK

QUESTION 1

1.1.	Define the following epidemiological concepts:		
	a)	Enzootic	(2)
	b)	Source of infection	(2)
	c)	Communicable disease	(2)
	d)	Host	(2)
	e)	Epizootic	(2)
	f)	Pandemic	(2)
	g)	Quarantine	(2)
	h)	Endemic	(2)
	i)	Immunity	(2)
	j)	Carrier	(2)
1.2.	List eleven (11) notifiable communicable diseases in terms of the		
		alth Act of 2003.	(11)
			[31]
<u>QUES</u>	STION 2		
2.1.	Discuss pulmonary tuberculosis under the following headings:		
	a)	Causative organism	(2)
	b)	Incubation period	(2)
	c)	Reservoir	(2)
	d)	Signs and symptoms	(7)
	e)	Mode of transmission	(2)
	f)	Prevention	(5)
2.2.	Discuss cholera under the following headings:		
	a)	Causative organism	(2)
	b)	Incubation period	(2)
	c)	Reservoir	(2)
	d)	Signs and symptoms	(6)
	e)	Mode of transmission or spread	(3)
			[35]

QUESTION 3

- 3.1 Discuss briefly the five (5) measures for preventing and controlling mosquito infestation. (10)
- 3.2 Briefly discuss outer defence mechanism of the body (8)

[18]

QUESTION 4

- 4.1. Why infection does not always occur? Give eight reasons. (8)
- 4.2. Briefly discuss the four periods in the course of infectious disease. (12)
- 4.3. Describe the difference between a symptom and sign of a disease, also provide relevant examples. (8)
- 4.4. Discuss toxins and its major types in terms of pathogenesis. (8)
- 4.5. List the six steps in the pathogenesis of infectious diseases (6)

[42]

QUESTION 5

- 5.1. Discuss the two approaches or strategies for the primary prevention of chronic diseases as recommended by World Health Organisation. (12)
- 5.2. Tabulate prevention in terms of: (12)
 - a) Diseases stage,
 - b) Level of prevention, and
 - c) Type of response.

[24]