



THE CATHOLIC UNIVERSITY OF EASTERN AFRICA

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MAIN EXAMINATION

SEPTEMBER –DECEMBER 2021

FACULTY OF SCIENCE

DEPARTMENT OF COMMUNITY HEALTH AND DEVELOPMENT

REGULAR PROGRAMME

CHD 128: COMMUNICABLE DISEASES AND CONTROL

Date: DECEMBER 2021

Duration: 3 Hours

INSTRUCTIONS: Answer Question ONE in section A and any other TWO Questions in Section B

SECTION A: ANSWER ALL QUESTIONS (30 MARKS)

Q1a) Differentiate the following terms as used in communicable diseases **(6 marks)**

- i) Disease surveillance and Epidemiology of a disease
- ii) Primary prevention and Secondary prevention
- iii) Eradication of a disease and elimination of a disease

b) Explain, using elaborate example(s), three key principles of communicable diseases control **(3 marks)**

c) State five (5) main routes of communicable disease transmission and give one example of each **(5 marks)**

d) List five (5) types of methods of communicable disease control and give one example of each type of method **(5 marks)**

e) Enumerate two characteristic clinical manifestations and two preventive measures for

for each of the following diseases

(i) Meningitis **(4 marks)**

(ii) Poliomyelitis **(4 marks)**

f) Outline three (3) key factors that may contribute to emergence of new diseases

(3 marks)

SECTION B: ANSWER ANY TWO QUESTIONS IN THIS SECTION (40 MARKS)

Q2. a) Differentiate between vertical programmes and integrated programmes in disease control

(4 marks)

b) In the course of community health practice, a case of disease suspected to be COVID19

is brought to your attention by a local village elder. Briefly discuss the action you will take in:

- (i) Notifying and confirming the disease (4 marks)
- (ii) Containing and controlling the disease (6 marks)
- (iii) Preventing future occurrence of the disease (6 marks)

Q3. a) Outline five (5) challenges affecting control/prevention of COVID 19 (5 marks)

b) Describe measles under the following sub headings

- (i) Etiology and mode of transmission (2 marks)
- (ii) Risk factors (3 marks)
- (iii) Distinguishing clinical manifestations (5 marks)
- (iv) Control/ prevention (5 marks)

Q4. Using an example of a childhood vaccine preventable disease familiar to you in your

Community, briefly explain how you will control the disease in terms of:

- a) Planning control measures (5 marks)
- b) Implementing control measures (5 marks)
- c) Monitoring effectiveness of control measures (5 marks)
- d) Evaluating the impact of control measures (5 marks)

END