

DEGREE IN ENVIRONMENTAL HEALTH

RE-SIT EXAMINATION PAPER JANUARY 2019

TITTLE OF PAPER : INTERNATIONAL HEALTH REGULATIONS

COURSE CODE : EHS 431

DURATION : 2 HOURS

MARKS : 100

INSTRUCTIONS: : ANSWER ALL QUESTIONS
: EACH QUESTION CARRIES 25 MARKS
: WRITE NEATLY
: NO PAPER SHOULD BE BROUGHT INTO THE
EXAMINATION ROOM
: BEGIN EACH QUESTION ON A SEPARATE SHEET
OF PAPER

**DO NOT OPEN THIS QUESTION PAPER UNTIL PERMISSION IS GRANTED BY THE
INVIGILATOR**

Question 1.

- a) What is the composition and terms of reference of the Emergency Committee according to the International Health Regulations (IHR) 2005? **(10 marks)**
- b) What is the procedure followed by the Emergency Committee when dealing with issues brought by the Director of the World Health Organization **(10 Marks)**
- c) What is the functions of the Review Committee in terms of the International Health Regulations (2005) **(5 marks)**

Question 2

- a) What are the recommendations and requirements for vaccination against yellow fever? **(10 marks)**
- b) How would you determine if an event is of public health impact **(5 marks)**
- c) Explain the synergy between Integrated Disease Surveillance and Response (IDSR) and International Health Regulations (IHR) **(10 marks)**

(Total = 25 marks)

Question 3.

What do the following terms mean in terms of the International Health Regulations (IHR) 2005?

- a) Inspection **(3)**
- b) Crew **(1)**
- c) Vector **(2)**
- d) Decontamination **(3)**
- e) Isolation **(2)**
- f) Quarantine **(3)**
- g) National Focal Point **(2)**
- h) Standing Recommendation **(3)**
- i) Infection **(3)**
- j) Surveillance **(3)**

(Total = 25 Marks)

Question 4.

Case Study; Outbreak of typhoid fever in endemic area

Read the following case study and answer the questions below

In Country O, engineers have been repairing water pipes in a densely populated city and have advised residents not to drink the water without first boiling it for the initial few weeks after the water service is restored. Despite these warnings there is a large outbreak of 600 cases of typhoid fever in the city. Residents from several suburbs have been infected and 14 people have died from the complications of the disease. Meanwhile, health officials have been testing the water supply which has now been deemed safe and the number of cases is rapidly declining. There are no reports of cases in neighbouring cities. Typhoid fever is a commonly occurring disease in Country O.

Under the IHR (2005), the presence of any two of the four criteria provided in the decision instrument of Annex 2 means that the event needs to be notified. While using the decision instrument, please answer the following questions you are also required to give reasons for your answers;

- I.** Is the public health impact of this event serious?
- II.** Is the event unusual or unexpected?
- III.** Is there significant risk of international spread?
- IV.** Is there a significant risk of international trade or travel restrictions?

(Total= 25 marks)