AFRICAN ECONOMIC RESEARCH CONSORTIUM

Collaborative MA Programme in Economics for Anglophone Africa (Except Nigeria)

JOINT FACILITY FOR ELECTIVES (JFE) 2013

JUNE – SEPTEMBER

HEALTH ECONOMICS II

Second Semester: Final Examination

Duration: 3 Hours **Date: Thursday, September 19, 2013**

INSTRUCTIONS:

1. Answer **QUESTION 1** and **ANY OTHER TWO** questions.
2. You are required to answer **THREE** questions in total.
3. Note that **QUESTION 1** is **COMPULSORY**.
4. All questions carry equal marks.

Question 1 (Compulsory)

Below is an application of CEA to calculation of health and life using the information on typhoid in Ghana by Morrow's study team.

Ao: Average age of onset (Typhoid in Ghana: 20years of age)

C: Case fatality Rate expressed as a percentage of those who get the disease, those who die (Typhoid in Ghana: 7.3 percent)

Ad: Average age of death if different from age of onset (Typhoid in Ghana: 20)

Dd: For those who die, the extent of disability from onset to death expressed as a percentage (not needed because, Ao = Ad)

Q: Case disability rate of those who get the disease, the percentage who become chronically disabled without suffering a shortened lifespan (Typhoid in Ghana= 0)

Dc: Extent of disability: the extent of disability of those chronically disabled expressed as percentage (Not needed because Q=0)

T: Acute illness duration, number of days of total disablement before cure for those for those whose life are not shortened by the disease (Typhoid in Ghana= 60days)

I: Incidence of new cases per thousand population per year (in Ghana=4)

LE(Ao): Life expectancy in years of someone whose age is Ao and who does not have the given disease (in Ghana LE(20) was estimated to be 42.5 additional years)

NOTE: Curled from Mead Over (1991) Economics for Health Sector Analysis, EDI, The World Bank

(a) Calculate the number Health Life Days lost to Typhoid in Ghana. ***(10 marks)***

(b) Assume 30000 people were affected at the time in question, with Ghana's GDP per capita at $3300 (2012 est.), what is the direct financial cost of typhoid to Ghana? ***(4 marks)***

(c) Economic evaluation of Health interventions may be a ruse after all. Do you agree? ***(6 marks)***

Question 2

(a) Describe a health system by its functions and objectives. ***(14 marks)***

(b) Explain why National Health Account is a health system's performance watch. ***(6 marks)***

Question 3

(a) How can improved health reduce poverty? ***(10 marks)***

(b) Suggest some pro-poor health approaches for Sub Saharan Africa. ***(10 marks)***

Question 4

(a) Explain the role of contextual factors in health policy making process. ***(10 marks)***

(b) How does health policy (performance) evaluation affect policy reform? ***(10 marks)***

Question 5

Briefly discuss the relationship between the following:

(a) Health Expenditure and health care services. ***(5 marks)***

(b) Economic growth and Health. ***(5 marks)***

(c) Time trade off and standard gamble. ***(5 marks)***

(d) Tradition/Culture and Health. ***(5 marks)***