



AFRICAN ECONOMIC RESEARCH CONSORTIUM
Collaborative Masters Programme in Economics for Anglophone Africa
(Except Nigeria)

JOINT FACILITY FOR ELECTIVES (JFE) 2012

JUNE – SEPTEMBER

HEALTH ECONOMICS I

First Semester: Final Examination

Duration: 3 Hours

Date: Thursday, August 2, 2012

INSTRUCTIONS:

1. Attempt a total of **FOUR (4)** questions only.
 2. Section A is **COMPULSORY**.
 3. Budget your time well i.e. 45 minutes per question.
 4. Be clear, precise and concise.
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Section A:

The Question in this Section is Compulsory

Question 1

- (a) Briefly describe your country's healthcare delivery system. **(5 marks)**
- (b) Highlight any five challenges that characterize your country's healthcare delivery system? **(10 marks)**
- (c) Suggest any five practical strategies to address the challenges highlighted in (b) above. **(10 marks)**

Section B:

Attempt THREE (3) Questions Only from this Section

Question 2

- (a) Using a clear and well-explained illustration demonstrate the income loss impact of illness on the equilibrium position of a consumer. **(7 marks)**
- (b) Using a clear and well-explained illustration demonstrate the impact of the imposition of user charges for medical services/health care on the equilibrium position of a consumer (patient). **(8 marks)**



- (c) Explain the rationale for the imposition of user fees for medical care in Sub-Saharan Africa. **(5 marks)**
- (d) Briefly describe any three effects of the imposition of user fees for medical care in your country. **(5 marks)**

Question 3

- (a) Describe any three problems which arise when defining and measuring the output of a hospital? **(5 marks)**
- (b) Suggest practical strategies to solve each of the problems in (a) above? **(5 marks)**
- (c) Compare the pros and cons of the Stochastic Frontier Approach and Nonparametric Data Envelopment Analysis (DEA) methods of measuring hospital efficiency. **(15 marks)**

Question 4

- (a) Using examples what is the meaning of equity in health? **(10 marks)**
- (b) Describe any five causes of health inequity in your country. **(5 marks)**
- (c) Suggest any five practical strategies to address the causes of health inequity identified in (b) above. **(10 marks)**

Question 5

- (a) Distinguish between Electronic health (E-health) or Telehealth and Telemedicine. **(5 marks)**
- (b) By means of any five examples, justify the need for the wide use of electronic health and telemedicine in your country. **(10 marks)**
- (c) Describe any five factors that constrain the wide use of electronic health and telemedicine in your country. **(10 marks)**

Question 6

- (a) Distinguish between the biomedical model of health and social model of health. **(5 marks)**
- (b) Present Grossman's (1972) Model of demand for Health. **(20 marks)**