

CHUKA

UNIVERSITY



UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF PUBLIC HEALTH

PUHE 483: PUBLIC HEALTH ECONOMICS

STREAMS: PUHE (Y4S2)

TIME: 2 HOURS

DAY/DATE: WEDNESDAY 23/04/2025

2.30 P.M. – 4.30 P.M.

INSTRUCTIONS

1. Do not write anything on the question paper.
2. Mobile phones and any other reference materials are NOT allowed in the examination room.
3. The paper has three sections. Answer ALL questions in Sections I, II and III.
4. All your answers for Section I (MCQs) should be on one page.
5. Number ALL your answers and indicate the order of appearance in the space provided in the cover page of the examination answer booklet.
6. Write your answers legibly and use your time wisely

SECTION 1: MULTIPLE CHOICE QUESTIONS [10 MARKS]

1. The following are true about health economics, EXCEPT
 - [a]. Aims to make healthcare more equitable for all
 - [b]. Aims to make healthcare more accessible for all
 - [c]. Aims to make healthcare free for all
 - [d]. Aims to make healthcare more affordable for all
2. The following are true about macroeconomics, EXCEPT
 - [a]. Focuses on the aggregate changes in the economy
 - [b]. Analyzes economies as systems and factors affecting economies
 - [c]. Analyzes the financial decision-making process of individuals, households and businesses
 - [d]. Studies economy-wide aggregates, such as inflation and unemployment

3. The following are the four factors of production
 - [a]. Factories, labor, production, and technology
 - [b]. Technology, capital, labor, and production
 - [c]. Capital, entrepreneurship, labor, and land
 - [d]. Capital, industries, technology, and production
4. The free rider problem as an economics issue does not occur under the following condition
 - [a]. When everyone can consume a resource in unlimited amounts
 - [b]. When someone has to produce and maintain the resource
 - [c]. When no one produces and maintains a resource
 - [d]. When no one can limit anyone else's consumption
5. The following are methods of economic evaluation
 - [a]. Cost analysis, cost-benefit analysis, cost-efficiency analysis, and cost-utility analysis
 - [b]. Cost analysis, cost-effectiveness analysis, cost-profit analysis, and cost-utility analysis
 - [c]. Cost analysis, cost-benefit analysis, cost-effectiveness analysis, and cost-utility analysis
 - [d]. Cost-action analysis, cost-benefit analysis, cost-effectiveness analysis, and cost-utility analysis
6. Health economics is based on the following four areas of economics
 - [a]. Land, insurance, public finance, and industrial organization
 - [b]. Labor, insurance, finance, and labor organization
 - [c]. Labor, finance and insurance, public finance, and industrial organization
 - [d]. Land, finance, insurance, and labor organization
7. Environmental sustainability aims to meet the following objectives, EXCEPT?
 - [a]. Promote the sustainable use of natural resources
 - [b]. Restore ecosystems
 - [c]. Create stable and long-term economic opportunities that provide livelihoods without depleting resources
 - [d]. Reduce pollution
8. The following are examples of wants, EXCEPT?
 - [a]. Cellphone, laptop, books
 - [b]. Car, television, radio
 - [c]. Food, shelter, clothes
 - [d]. Education, holiday, car

In question 9 and 10, indicate whether the statement is TRUE or FALSE.

9. In a free market economy, goods, services and resources are allocated through the market mechanism and rationed out to people by the pricing system. [True/False]

10. Disability-adjusted life years (DALYs) is based on the effect of interventions, while quality-adjusted life years (QALYs) is based on the burden of disease in a population. [True/False]

SECTION II: SHORT ANSWER QUESTIONS [40 MARKS]

1. Briefly differentiate the following terminologies in public health

[a]. Demand and supply [2 marks]

[b]. Demand curve and supply curve [2 marks]

2. Briefly highlight the techniques applied in economic appraisal. [6 marks]

3. Briefly outline the roles played by various stakeholders in healthcare financing. [5 marks]

4. Briefly discuss the tragedy of the commons with regard to healthcare. [5 marks]

5. Resources are limited, so people cannot have all the goods and services they want. Discuss. [10 marks]

6. Using examples, discuss and relate the following concepts of economics to health:

[a]. Capital resource [2 marks]

[b]. Human resource [2 marks]

[c]. Market [2 marks]

[d]. Opportunity cost [2 marks]

[e]. Public goods [2 marks]

SECTION III: LONG ANSWER QUESTIONS [20 MARKS]

1. From climate change to extinction of species, humanity must pay the ultimate price for the global economy to undervalue nature and natural resources. Discuss. [20 marks]

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