



AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF PUBLIC HEALTH
DEPARTMENT OF HEALTH SYSTEMS MANAGEMENT AND DEVELOPMENT
END OF FIRST SEMESTER EXAMINATION APRIL 2025

MBE 717: ETHICAL HOTSPOTS

Date : 25TH APRIL 2025

TIME : Two (3) Hours Start: 5:30 PM End: 8H30 PM

Instructions

- 1) This paper has two sections; Section A and Section B
- 2) Answer **ALL** questions in **Section A**
- 3) For **Section B**, answer **any three** questions of your choice
- 4) Use the university examination booklets provided
- 5) Write your student registration number on all your answer sheets

Note:

Section A: answer all questions worth 25 marks.

Section B: three questions of your choice -75 marks each 25 marks.

SECTION A: 25 marks

1. a. Discuss 5 ethical considerations of commercial biobanks that profit from genetic data.
b. Examine three issues how participants can be compensated, and how fairness in benefit-sharing can be ensured especially if samples involved people from Low- and Middle-income countries (LMIC)? (15 marks)

2. (25 marks)

- a. Evaluate 3 ethical concerns surrounding personalized medicine (15 marks)
- b. Illustrate 2 measures that can be taken to ensure ethical implementation of personalized medicine (10 marks)

3. (25 marks)

- a. Analyze 4 ethical considerations surrounding compensation for participants in clinical trials of an investigational new drug (16 marks).
- b. Discuss 3 factors that should determine the amount of compensation and how researchers can ensure that compensation does not constitute undue inducement (9 marks)

4. (25 marks)

1. Identify and explain 3 key principles that should guide the ethical discussions on the future of human enhancement and transhumanism. (15 marks)
2. Identify one technology of human enhancement or transhumanism and ethically critique it. (10 marks)

5. (25 marks)

1. Explain 4 points how climate change affects the spread of zoonotic diseases (16 marks).
2. Evaluate 3 issues how climate refugees present an ethical challenge in global health and human rights (9 marks).

6. (25 marks)

I swear to fulfill, to the best of my ability and judgment, this covenant:

I will respect the hard-won scientific gains of those physicians in whose steps I walk, and gladly share such knowledge as is mine with those who are to follow.

I will apply, for the benefit of the sick, all measures [that] are required, avoiding those twin traps of overtreatment and therapeutic nihilism.

I will remember that there is art to medicine as well as science, and that warmth, sympathy, and understanding may outweigh the surgeon's knife or the chemist's drug.

I will not be ashamed to say "I know not," nor will I fail to call in my colleagues when the skills of another are needed for a patient's recovery.

I will respect the privacy of my patients, for their problems are not disclosed to me that the world may know. Most especially must I tread with care in matters of life

and death. If it is given me to save a life, all thanks. But it may also be within my power to take a life; this awesome responsibility must be faced with great humbleness and awareness of my own frailty. Above all, I must not play at God.

I will remember that I do not treat a fever chart, a cancerous growth, but a sick human being, whose illness may affect the person's family and economic stability. My responsibility includes these related problems, if I am to care adequately for the sick.

I will prevent disease whenever I can, for prevention is preferable to cure.

I will remember that I remain a member of society, with special obligations to all my fellow human beings, those sound of mind and body as well as the infirm.

If I do not violate this oath, may I enjoy life and art, respected while I live and remembered with affection thereafter. May I always act so as to preserve the finest traditions of my calling and may I long experience the joy of healing those who seek my help.

- a. Using the above version of the Hippocratic oath: evaluate and analyze 3 points why the Hippocratic oath is appropriate and valid for use today (15 marks).
- b. Justify your response with 3 examples (10 marks)