



ZIMBABWE

**MINISTRY OF HIGHER AND TERTIARY EDUCATION,
INNOVATION, SCIENCE AND TECHNOLOGY DEVELOPMENT**

**HIGHER EDUCATION EXAMINATIONS COUNCIL
(HEXCO)**

NATIONAL CERTIFICATE

IN

PUBLIC HEALTH

SUBJECT: Introduction to Epidemiology

PAPER NO: 395/20/S06

DURATION: 3 hours

NOVEMBER/DECEMBER 2022 EXAMINATION

REQUIREMENTS

INSTRUCTIONS TO CANDIDATE

Answer all questions.

This paper consists of 7 printed pages.

SECTION A

QUESTION 1

Which of the following is the strength of a Cohort study?

- A. Rare disease
- B. Bias can be minimised
- C. Temporal relationship can be established
- D. Relative risk can be calculated.

QUESTION 2

Constant presence of a disease in an area during a period of time is a:

- A. Pandemic
- B. Endemic
- C. Epidemic
- D. Sporadic

QUESTION 3

PNMR refers to:

- A. Past neonatal mortality rate.
- B. Post natal mortality rate.
- C. Perinatal mortality rate
- D. Prenatal mortality rate

QUESTION 4

A baby is called exclusively breast feed if one or his is breast feed up to:

- A. 2 – 3 months
- B. 3 – 4 months
- C. 3 – 5 months
- D. 6 months

QUESTION 5

The vector responsible for malaria is:

- A. Mosquito
- B. Bugs
- C. Tsetse fly
- D. Sand flies

QUESTION 6

MDS stands for:

- A. Medical Development Group
- B. Millennium Development Goals
- C. Master Development Goals
- D. Management Development Goals

QUESTION 7

Helensiki declaration was about:

- A. Women's rights
- B. Ethics on research
- C. Human rights
- D. Gender issues

QUESTION 8

In an observational study there is no:

- A. Sample size
- B. Research ethics
- C. Neither randomisation nor control
- D. All the above

QUESTION 9

In the definition of epidemiology, "determinants" generally include:

- A. Agents, causes, control measures and risk factors.
- B. Causes, risk factors and sources.
- C. Control measures
- D. Risk factors

QUESTION 10

..... refers to measures that are applied to prevent transmission after the disease has occurred.

- A. Prevention
- B. Vaccine
- C. Control
- D. Risk factors

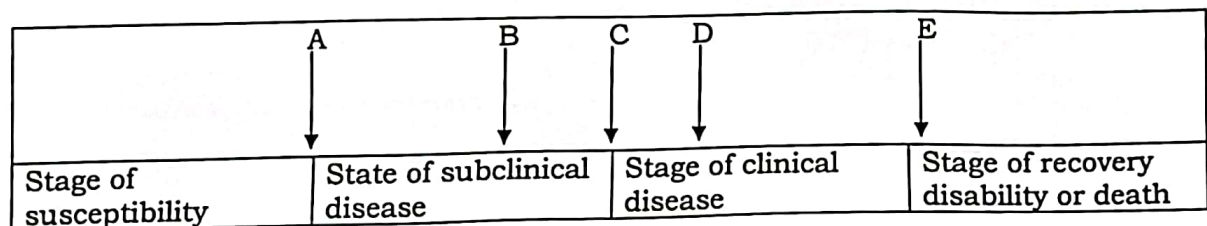
QUESTION 11

Measures taken to promote optimum health or provide specific protection of target groups against disease and injury are measures.

- A. Primordial
- B. Prevention
- C. Secondary
- D. Tertiary

For each of the following, identify the appropriate letter from the timeline in Figure 1 representing the natural history of disease.

Figure 1: Natural history of disease



QUESTION 12

Onset of symptoms.

QUESTION 13

Usual time of diagnosis.

QUESTION 14

Exposure.

QUESTION 15

A reservoir of an infectious agent can be:

- A. A symptomatic human
- B. An animal
- C. The environment
- D. All the above

QUESTION 16

Indirect transmission does not include which of the following?

- A. Sexual intercourse
- B. Mosquito-borne
- C. Food borne
- D. Door knobs or toilet seats

QUESTION 17

Disease control measures generally are not directed at which of the following?

- A. Eliminating the reservoir
- B. Eliminating the vector
- C. Eliminating the host
- D. Interrupting mode of transmission

QUESTION 18

Epidemiologists are interested in learning about:

- A. The causes of disease and how to cure or control them.
- B. The frequency and geographical distribution of diseases.
- C. The casual relationships between diseases.
- D. All the above.

QUESTION 19

The following are not modifiable risk factors.

- A. Poor dietary practices
- B. Physical inactivity
- C. Family history
- D. Smoking

QUESTION 20

On the Director General of WHO (World Health Organisation) declared the Corona virus disease (COVID-19) outbreak to be a global public health emergency of international concern under the International Health Regulations (2005).

- A. 30 June 2020
- B. 30 January 2020
- C. 30 June 2019
- D. 30 January 2019

SECTION B

QUESTION 21

List the interventions you would introduce in the prevention of cervical cancer in your community using all its levels of prevention. (16 marks)

QUESTION 22

An epidemic may result from: (List the factors). (5 marks)

QUESTION 23

Sketch and explain a longitudinal study that seeks to investigate a rare exposure. (6 marks)

QUESTION 24

List the disadvantages of a case control study. (5 marks)

QUESTION 25

Factors involved in the transmission of communicable diseases. (5 marks)

QUESTION 26

Compare and contrast communicable and non-communicable diseases. (8 marks)

QUESTION 27

Distinguish between prevention and control of communicable diseases. (4 marks)

QUESTION 28

What are the differences between passive and active immunisation. (4 marks)

QUESTION 29

State and describe six (6) barriers to immunisation. (12 marks)

QUESTION 30

Draw and label an epidemiologic triad. (6 marks)

QUESTION 31

Why is the RCT regarded as the gold standard trial for evaluating the effectiveness of interventions. (4 marks)

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**MINISTRY OF HIGHER AND TERTIARY EDUCATION,
INNOVATION, SCIENCE AND TECHNOLOGY
DEVELOPMENT**

NATIONAL CERTIFICATE

IN

PUBLIC HEALTH

MODULE: Health Promotion

PAPER NO: 395/22/M01

DURATION: 3 Hours

JUNE 2026 EXAMINATION

REQUIREMENTS

INSTRUCTIONS TO CANDIDATES

1. Answer all questions in Section A and choose any three (3) Section B.
2. Do not write your name on the answer booklet.
3. Do not write anything on the question paper.

This paper consists of 3 printed pages.



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SECTION A

QUESTION 1

- a) Define the following terms:
- | | | |
|------|-----------------------|-----------|
| i) | Social institution | (2 marks) |
| ii) | Health | (2 marks) |
| iii) | Social action | (2 marks) |
| iv) | Social stratification | (2 marks) |
| v) | Health education | (2 marks) |
- b) Outline any five (5) types of appeals used in public health communication. (10 marks)

QUESTION 2

- a) List any four (4) types of evaluation used in public health. (4 marks)
- b) Briefly explain four (4) ways in which human behaviour play crucial role in promoting health and well-being. (8 marks)
- c) Distinguish between horticultural society and agricultural society. (8 marks)

SECTION B

Choose any three (3) questions in this Section.

QUESTION 3

Discuss any four (4) key ethical issues in health education and how educators can address these concerns to ensure respectful, inclusive and effective health promotion. (20 marks)

QUESTION 4

Examine any five (5) social determinants of health. (20 marks)

QUESTION 5

Evaluate any five (5) factors to consider when designing messages to promote behaviour change. (20 marks)

QUESTION 6

- a) Explain any five (5) characteristics of change agents in public health. (10 marks)
- b) Outline any five (5) basic principles of public health. (10 marks)

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DEVELOPMENT**

**HIGHER EDUCATION EXAMINATIONS COUNCIL
(HEXCO)**

NATIONAL CERTIFICATE

IN

PUBLIC HEALTH, DISPENSARY ASSISTANT

**MODULE: Safety, Health, Environment
and Quality Management**

PAPER NO: 395/25/M02

DURATION: 3 Hours

JUNE 2026 EXAMINATION

REQUIREMENTS

INSTRUCTIONS TO CANDIDATE

1. Section A: Answer all questions.
2. Section B: Answer any three (3) questions.

PAPER NO: 395/25/M02 – SAFETY, HEALTH, ENVIRONMENT AND QUALITY MANAGEMENT

SECTION A

Answer all questions.

QUESTION 1

- a) Define the following terms with reference to occupational Safety, Health, Environmental and Quality Management (SHEQ)?
- | | |
|------------------------------------|-----------|
| i) Health | (3 marks) |
| ii) Occupational Health | (3 marks) |
| iii) Safety culture | (3 marks) |
| iv) Occupational Safety and Health | (3 marks) |
| v) Safety Management System | (3 marks) |
- b) Identity five (5) examples of Occupational Safety and Health legal instruments that are used in Zimbabwe to protect worker at the workplace? (5 marks)

QUESTION 2

Explain five (5) responsibilities of employers and the employees regarding PPE? (20 marks)

SECTION B

Answer any three (3).

QUESTION 3

- a) Explore the impact of poor waste management under the following:
- | | |
|---------------------------|-----------|
| i) Economic impact | (4 marks) |
| ii) Health impact | (4 marks) |
| iii) Environmental impact | (4 marks) |
- b) Proffer any four (4) solutions with reference to the above problems? (8 marks)

QUESTION 4

- a) Analyse the following toxicological factors regarding the action of poisons on human body:
- | | |
|---------------------------------------|-----------|
| i) dose | (3 marks) |
| ii) condition of body / health status | (3 marks) |
| iii) form of poison | (3 marks) |
| iv) method of administration | (3 marks) |
| v) toxicokinetics | (3 marks) |
- b) Illustrate the fire tetrahedron with the aid of a clearly labelled diagram? (5 marks)

QUESTION 5

- a) Describe in detail the four (4) major components of the safety management system. (16 marks)
- b) Identify four (4) common workplace hazardous target areas at a workplace? (4 marks)

QUESTION 6

- a) Outline ten (10) ideal properties of a good disinfectant? (10 marks)
- b) Highlight any five (5) methods for hazard identification? (10 marks)

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NATIONAL CERTIFICATE

IN

PUBLIC HEALTH

**MODULE: Healthcare Financing And Health
Economics**

PAPER NO: 395/22/M03

DURATION: 3 Hours

JUNE 2026 EXAMINATION

REQUIREMENTS

INSTRUCTIONS TO CANDIDATE

Answer any five (5) questions.

QUESTION 1

- a) Describe the four (4) levels of care in the Zimbabwean healthcare system. (16 marks)
- b) List the benefits that populations derive from the primary care level. (4 marks)

QUESTION 2

- a) Define health workforce. (2 marks)
- b) Identify and explain any six (6) measures that can be put in place to get the best out of the health workforce in any healthcare delivery system. (18 marks)

QUESTION 3

- a) Define the following terms:
- i) Health economics (2 marks)
 - ii) Scarcity (2 marks)
 - iii) Opportunity cost (2 marks)
 - iv) Efficiency (2 marks)
 - v) Equity (2 marks)
- b) Briefly explain any five (5) negative consequences when equity is not observed in allocating resources in health systems. (10 marks)

QUESTION 4

- a) List any five (5) duties of a public health economist. (5 marks)
- b) As a public health economist, briefly explain any five (5) measures to ensure efficiency at a health care organisation. (15 marks)

QUESTION 5

Highlight the advantages of each of the following sources of healthcare financing.

- a) General tax revenues (4 marks)
- b) Private voluntary health insurance (4 marks)
- c) Community-based health insurance (4 marks)
- d) Charitable funds (4 marks)
- e) Social health insurance (4 marks)

QUESTION 6

- a) Define economic evaluation as applicable in public health. (2 marks)
- b) Explain any six (6) reasons why economic evaluation is important in public health interventions. (18 marks)

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NATIONAL CERTIFICATE

IN

PUBLIC HEALTH

MODULE: Occupational Health and Safety PAPER NO: 395/22/M02

DURATION: 3 hours

JUNE 2026 EXAMINATION

REQUIREMENTS

INSTRUCTIONS TO CANDIDATE

1. Answer any five (5) questions.
2. Do not write anything on the question paper.
3. Do not write your name on the answer booklet.

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PAPER NO: 395/22/M02 – OCCUPATIONAL HEALTH AND SAFETY

QUESTION 1

- a) List five (5) examples of OSH/OHS laws in Zimbabwe? (5 marks)
- b) Using a clearly labelled diagram describe the hazard hierarchy of control. (15 marks)

QUESTION 2

- a) Define:
- i) Safety culture (2 marks)
 - ii) Safety climate (2 marks)
- b) Describe the ABC principle of first aid. (12 marks)
- c) List any four (4) components of a fire extinguisher. (4 marks)

QUESTION 3

Highlight ten (10) major roles of public health as field of practice. (20 marks)

QUESTION 4

- a) Identify any four (4) types of radiation, highlighting the safety control measures. (8 marks)
- b) Outline four (4) benefits of nutrition programs in Zimbabwe. (12 marks)

QUESTION 5

- a) Identify any four (4) housing standards. (12 marks)
- b) Describe four (4) methods of disposing biomedical waste. (8 marks)

QUESTION 6

- a) Define pollution. (2 marks)
- b) Analyse any five (5) major causes of pollution to the environment. (10 marks)
- c) Describe any four (4) effects of pollution on health. (8 marks)

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**HIGHER EDUCATION EXAMINATIONS COUNCIL
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NATIONAL CERTIFICATE

IN

PUBLIC HEALTH, DISPENSARY ASSISTANT, VETERINARY ASSISTANT

**MODULE: Health Communication and
Computer Applications**

PAPER NO: 448/25/M01

DURATION: 3 Hours

JUNE 2026 EXAMINATION

REQUIREMENTS

INSTRUCTIONS TO CANDIDATE

- 1. Answer all questions in Section A.**
- 2. Question 6 is compulsory. Answer any other two (2) questions in Section B.**

PAPER NO: 448/25/M01 – HEALTH COMMUNICATION AND COMPUTER APPLICATIONS

QUESTION 1

- a) Define the following terms:
- i) Communication (2 marks)
 - ii) Encoder (2 marks)
 - iii) Channel (2 marks)
 - iv) Decoder (2 marks)
 - v) Feedback (2 marks)
- b) Using a simple health service example, outline the communication cycle. (6 marks)
- c) State and explain four factors to consider when choosing a communication channel in a health setting. (8 marks)

QUESTION 2

- a) Identify and explain two (2) barriers to effective communication in healthcare under each class:
- i) Encoding barrier (4 marks)
 - ii) Decoding barrier (4 marks)
 - iii) Responding barrier (4 marks)
 - iv) Transmission barrier (4 marks)
- b) State any four (4) aids to effective communication. (4 marks)

SECTION B

Answer any three (3) questions

Question 6 is compulsory

QUESTION 3

A patient in an outpatient department seems anxious and says "I don't understand what you want me to do."

- a) Describe four (4) benefits of effective face- to face communication in healthcare. (8 marks)
- b) Explain how the health worker should use the following to improve understanding:
 - i) Tone (4 marks)
 - ii) Choice of wording (4 marks)
 - iii) Eye contact and attentiveness (4 marks)

QUESTION 4

A health worker must explain a follow up appointment plan to:

- An elderly patient with hearing difficulty, and
- A young adult with low literacy
- a) State three (3) patient factors that influence communication and explain how each affects understanding. (6 marks)
- b) For each patient above, explain three (3) adaptations the health worker should make. (12 marks)
- c) State one ethical reason why adopting communication is important in healthcare. (2 marks)

PAPER NO: 448/25/M01 – HEALTH COMMUNICATION AND COMPUTER APPLICATIONS

QUESTION 5

- a) Define visual communication and state two (2) reasons it is important in healthcare. (6 marks)
- b) Give four (4) examples of visual communication tools used in health services and explain the purpose each. (8 marks)
- c) A clinic wants to reduce missed appointments. Propose a simple visual communication strategy that could be displayed to patients and explain how it would work. (6 marks)

QUESTION 6

- a) Explain the following terms
 - i) Input device (2 marks)
 - ii) Software (2 mark)
 - iii) Word processing application (2 marks)
 - iv) Database query (2 mark)
 - v) Networking device (2 marks)
- b) Identify two (2) security threats and two (2) data protection measures appropriate for a health workforce computer. (4 marks)
- c) Identify and explain any three (3) principles for designing good PowerPoint presentations. (6 marks)

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**HIGHER EDUCATION EXAMINATIONS COUNCIL
(HEXCO)**

NATIONAL CERTIFICATE

IN

PUBLIC HEALTH

MODULE: Disease Surveillance; Prevention And Control
DURATION: 3 Hours

PAPER NO: 395/22/M04

JUNE 2026 EXAMINATION

REQUIREMENTS

Scientific Calculator
Graph paper

INSTRUCTIONS TO CANDIDATE

- 1. Answer all questions in section A and choose any three from section B.**
- 2. Do not write anything on the question paper.**
- 3. Do not write your name on the answer booklet.**



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QUESTION 1

- a) Define the following terms
- i) Epidemiology (2 marks)
 - ii) Health (2 marks)
 - iii) Case reports (2 marks)
 - iv) Immunisation (2 marks)
 - v) Infectious disease (2 marks)
- b) Identify any two (2) examples of infectious disease caused by each of the following pathogens.
- i) Bacteria (2 marks)
 - ii) Fungi (2 marks)
 - iii) Virus (2 marks)
- c) Differentiate between population and sample. (4 marks)

QUESTION 2

The disease surveillance unit at Changu local health department recorded the symptoms for 28 randomly selected patients with influenza like illness. The data is shown below.

No of days with symptoms	1	2	3	4	5	6	7
Frequency	2	3	4	5	9	3	2

Use of frequency distribution to find

- a) Range (2 marks)
- b) Mode (2 marks)
- c) Median (4 marks)
- d) Mean (4 marks)
- e) Standard deviation (8 marks)

SECTION B: Answer any three (3) questions.

QUESTION 3

- a) Differentiate communicable and non-communicable diseases. (6 marks)
- b) Identify any four (4) roles of adjuvants (4 marks)
- c) Outline any five (5) importance of epidemiology in public health. (10 marks)

QUESTION 4

- a) Briefly explain the following observational studies.
 - i) Cross sectional studies (4 marks)
 - ii) Case controlled studies (4 marks)
 - iii) Cohort studies (4 marks)
- b) Describe any four (4) disease controlling methods. (8 marks)

QUESTION 5

Examine any five (5) methods of randomisation that can be applied in public health. (20 marks)

QUESTION 6

Explore any ten (10) key elements of a target product profile (TPP). (20 marks)

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**HIGHER EDUCATION EXAMINATIONS COUNCIL
(HEXCO)**

NATIONAL CERTIFICATE

IN

PUBLIC HEALTH

**MODULE: Healthcare Financing and Health PAPER NO: 395/22/M03
Economics**

DURATION: 3 Hours

NOVEMBER/DECEMBER 2025 EXAMINATION

REQUIREMENTS

INSTRUCTIONS TO CANDIDATE

- 1. Section A: Answer all questions.**
- 2. Section B: Answer any three questions.**

PAPER NO:395/22/M03 – HEALTHCARE FINANCING AND HEALTH ECONOMICS

SECTION A

Answer all questions

QUESTION 1

- (a) Identify and explain the five (5) major sources of financing health care services in a country. (15 marks)
- (b) Define the terms:
- (i) Health system financing (2 marks)
- (ii) Health economics (3 marks)

QUESTION 2

One of the major objectives of healthcare financing is to ensure equity in healthcare access. Explore any five (5) reasons why equity is important in public health. (20 marks)

SECTION B

Answer any three (3) questions.

QUESTION 3

Articulate the structure of the Zimbabwean healthcare system under the following headings :-

- (a) Primary level (5 marks)
- (b) Secondary level (5 marks)
- (c) Tertiary level (5 marks)
- (d) Quaternary level (5 marks)

QUESTION 4

- (a) Briefly explain the basic economic problem that society faces. (5 marks)
- (b) Identify and explain any five (5) factors that influence utilisation of health services. (15 marks)

QUESTION 5

Evaluate any five (5) measures that a country can take to strengthen its healthcare system? (20 marks)

QUESTON 6

Briefly explain the following terms as applied in Health Economics.

- | | | |
|-----|-----------------------|-----------|
| (a) | utility | (4 marks) |
| (b) | direct cost | (4 marks) |
| (c) | indirect cost | (4 marks) |
| (d) | cost benefit analysis | (4 marks) |
| (e) | cost utility analysis | (4 marks) |

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NATIONAL CERTIFICATE

IN

PUBLIC HEALTH

MODULE: Occupational Health and Safety PAPER NO: 395/22/M02

DURATION: 3 Hours

NOVEMBER/ DECEMBER 2025 EXAMINATION

REQUIREMENTS

INSTRUCTIONS TO CANDIDATE

1. Answer any five (5) questions.
2. Do not write your name on the answer booklet.
3. Do not write anything on the question paper.

QUESTION 1

- a) Describe briefly the Hazard and operability method. (5 marks)
- b) Analyse five (5) benefits of HAZOP method. (15 marks)

QUESTION 2

- a) What is first aid? (5 marks)
- b) List ten (10) contents of the first aid as prescribed by the factories and works ACT of Zimbabwe? (10 marks)
- c) Illustrate the fire tetrahedron use a clearly labelled diagram? (5 marks)

QUESTION 3

- a) Write concise notes on the Accident Prevention and Workers Compensation Scheme, a social security scheme in Zimbabwe, under the headings contributions, coverage, benefits? (10 marks)
- b) Define safety management systems (SMS) (2 marks)
- c) List the four (4) components of safety management system (SMS) and for each explain briefly? (8 marks)

QUESTION 4

- a) Define pollution? (2 marks)
- b) Highlight any five (5) major causes of pollution? (10 marks)
- c) Analyse any four (4) effects of pollution on health. (8 marks)

QUESTION 5

Discuss five (5) major roles of public health professionals in maintaining population health? (20 marks)

QUESTION 6

- a) Identify any five (5) food preservation methods? (10 marks)
- b) Define noise? (2 marks)
- c) Outline any four (4) effects of noise on workers? (8 marks)

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NATIONAL CERTIFICATE

IN

PUBLIC HEALTH

**MODULE: Disease Surveillance; Prevention
And Control**

PAPER NO: 395/22/M04

DURATION: 3 Hours

NOVEMBER/DECEMBER 2025 EXAMINATION

REQUIREMENTS

**Non- scientific Calculator
Graph paper**

INSTRUCTIONS TO CANDIDATE

- 1. Answer all questions in Section A and choose any three (3) from section B.**
- 2. Do not write anything on the question paper.**
- 3. Do not write your name.**

SECTION A- Answer all questions.

QUESTION 1

- a) List any five (5) non- communicable diseases. (5 marks)
- b) Define the following terms
- i) Epidemiology (2 marks)
- ii) Lab trials (2 marks)
- iii) Immunity (2 marks)
- c) Differentiate endemic, epidemic and pandemic. (9 marks)

QUESTION 2

The health environment unit at a local health department recorded the number of days with diarrhoea symptoms for 34 randomly selected patients who consumed contaminated water from a local well. The data is shown below.

Number of days with symptoms	Frequency
1-2	8
3-4	12
5-6	6
7-8	4
9-10	2
11+	2

- a) Calculate the mean number of days with symptoms (2 marks)
- b) Calculate the range of days with symptoms (2 marks)
- c) The median number of days with symptoms (4 marks)
- d) Calculate the variance (5 marks)
- e) Calculate the standard deviation (7 marks)

SECTION B- Answer any three (3) questions.

QUESTION 3

Examine any five (5) types of epidemiology. (20 marks)

QUESTION 4

a) Outline any five (5) characteristics of case series. (10 marks)

b) Outline any five (5) characteristics of case reports. (10 marks)

QUESTION 5

a) Describe any five (5) goals of immunisation. (10 marks)

b) Explain any five (5) roles of adjuvants. (10 marks)

QUESTION 6

Discuss the following core concepts necessary for the description and evaluation of infectious processes.

a) Incubation (4 marks)

b) Latency (4 marks)

c) Carriage (4 marks)

d) Reproductive numbers (4 marks)

e) Nosocomial infection (4 marks)

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NATIONAL CERTIFICATE

IN

PUBLIC HEALTH

MODULE: Health Promotion

PAPER NO: 395/22/M01

DURATION: 3 Hours

NOVEMBER/ DECEMBER 2025 EXAMINATION

REQUIREMENTS

INSTRUCTIONS TO CANDIDATE

1. Answer all questions in section A and choose any three (3) in section B
2. Do not write on the question paper
3. Do not write your name on the answer booklet

QUESTION 1

a) Define the following terms:

- i) Health (2 marks)
- ii) Public health (2 marks)
- iii) Health education (2 marks)
- iv) Health promotion (2 marks)
- v) Epidemiology (2 marks)

b) Outline any five (5) types of training involved in public health (10 marks)

QUESTION 2

Explain any five (5) importance of studying sociology in public health. (20 marks)

SECTION B
(Choose any 3 questions)

QUESTION 3

Elaborate on any five (5) social determinants of health. (20 marks)

QUESTION 4

- a) List any five (5) approaches to health education (5 marks)
- b) Briefly explain any five (5) sources of health funds in a developing country (10 marks)
- c) Identify any five (5) types of societies (5marks)

QUESTION 5

a) Discuss the notion that the concept of health is complex and dynamic (20 marks)

QUESTION 6

a) Examine the influence of religion on health of a community. (20 marks)

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DEVELOPMENT**

**HIGHER EDUCATION EXAMINATIONS COUNCIL
(HEXCO)**

NATIONAL CERTIFICATE

IN

PUBLIC HEALTH

SUBJECT: Occupational Health and Safety PAPER NO: 395/22/M02

DURATION: 3 hours

NOVEMBER/DECEMBER 2023 EXAMINATION

REQUIREMENTS

INSTRUCTIONS TO CANDIDATE

- 1) Section A: answer all questions.
- 2) Section B: Choose any three (3) questions.
- 3) Do not write anything on any part of the question paper.

PAPER NO: 395/22/M02-OCCUPATIONAL HEALTH AND SAFETY

QUESTION 1

Explain the following terms:

- a) Water quality (2 marks)
- b) Water hardness (2 marks)
- c) Horrocks apparatus (2 marks)
- d) Overcrowding (2 marks)
- e) Noise (2 marks)

QUESTION 2

Write brief notes on the factories and works Act (Chapter 14:08 and its regulations). (10 marks)

QUESTION 3

Explain the terms:

- a) Occupational safety and health. (2 marks)
- b) Public health (2 marks)
- c) What is the relationship between the two terms above? (6 marks)

QUESTION 4

Define the following terms in relation to pollution:

- a) Sources (2 marks)
- b) Pollutants (2 marks)
- c) Monitoring (2 marks)
- d) Effects (2 marks)
- e) Prevention and control (2 marks)

SECTION B

QUESTION 5

Write detailed notes describing the Accident Prevention and Workers Compensation Scheme administered by NSSA. (20 marks)

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QUESTION 6

Explain four (4) techniques used to soften hard water.

(20 marks)



CamScanner

QUESTION 7

With the aid of a clearly labelled diagram describe the hazard hierarchy of control using typical examples. (20 marks)

QUESTION 8

Examine any five (5) food preservation methods.

(20 marks)

...../Rk



ZIMBABWE

**MINISTRY OF HIGHER AND TERTIARY EDUCATION,
INNOVATION, SCIENCE AND TECHNOLOGY
DEVELOPMENT**

**HIGHER EDUCATION EXAMINATIONS COUNCIL
(HEXCO)**

NATIONAL CERTIFICATE

**IN
PUBLIC HEALTH**

MODULE: HEALTH PROMOTION

PAPER NO: 395/22/MO1

DURATION: 3 Hours

JUNE 2023 EXAMINATION

REQUIREMENTS

INSTRUCTIONS TO CANDIDATES

- 1) Section A: Answer all questions**
- 2) Section B: Answer question five (5) and any other two (2)**
- 3) Do not write anything on the question paper**

This paper consists of 2 printed pages.

SECTION A

QUESTION 1

Briefly explain five (5) benefits of community participation in health programmes
(10 marks)

QUESTION 2

Define the following terms

- a. Health (2 marks)
- b. Health promotion (2 marks)
- c. Health education (2 marks)
- d. Mental health (2 marks)
- e. Social health (2 marks)

QUESTION 3

- a. Define evaluation (2 marks)
- b. Write brief notes on any 3 types of evaluation (12 marks)
- c. Explain any 3 types of social institutions (6 marks)

SECTION B

QUESTION 4

Discuss any five causes of social inequalities and suggest solutions to these.
(20 marks)

QUESTION 5

Analyse any five (5) social determinants of health.
(20 marks)

QUESTION 6

Examine five (5) characteristics of a change agent in public health.
(20 marks)

QUESTION 7

Evaluate any four (4) responsibilities of health extension worker.
(20 marks)

.../fem