

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF DEGREE
OF BACHELOR OF SCIENCE (NURSING)

ENHE 151: FOUNDATIONS OF ENVIRONMENTAL HEALTH

STREAMS: BSC (NURS)

TIME: 2 HOURS

DAY/DATE: THURSDAY 05/12/2019

11.30 A.M. – 1.30 P.M.

INSTRUCTIONS:

SECTION ONE (ANSWER ALL QUESTIONS)

- (i) How do pollutants reach humans?
 - (a) By external factors
 - (b) By internal factors
 - (c) Pollutants never reach to humans
 - (d) There is nothing called pollutants

- (ii) There is a link between the environment and human health
 - (a) True
 - (b) False

- (iii) Which of the following cause harm to human health?
 - (a) organic farming
 - (b) using of pesticides
 - (c) using solar vehicles
 - (d) protecting forests

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- (iv) What proportion of the earth's water is available for drinking, irrigation and industrial use?
- (a) 70%
 - (b) 50%
 - (c) 25%
 - (d) >1%
- (v) New areas of emphasis in environmental health and research are:
- (a) Air, water, hazardous waste
 - (b) The built environment, urban sprawl, psycho-social factors, obesity
 - (c) Mining, climate change, population, habitat destruction
 - (d) Work environment, population
- (vi) What is a toxic waste?
- (a) Substances that are not poisonous
 - (b) Substances that are poisonous only when it taken in large quantity
 - (c) Substances that are poisonous only when it taken in small quantity
 - (d) Substances which work as an antidote for toxic materials
- (vii) What is an ignitable waster?
- (a) Waste which can burn relatively low temperature
 - (b) Waste which can burn relatively high temperature
 - (c) Waste which don't burn
 - (d) Waste which don't produce temperature
- (viii) Which one of the following is not an ethical guideline?
- (a) Developing respect for all life
 - (b) Understanding how earth works
 - (c) Considering humans as the predominant species
 - (d) Seeking of environmental wisdom
- (ix) Which one of the following is the major environmental issue?
- (a) Use of resources
 - (b) Use of economy
 - (c) Education
 - (d) Employment

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- (x) In which of the following ways we can create awareness among people about environment efficiently?
- (a) By the help of mass media shows the importance of environment
 - (b) By spreading through mouths
 - (c) By forcefully insisting people to protecting environment
 - (d) By making treaties with other countries
- (xi) Which one of the following can achieve Global Climate change?
- (a) World War – 3
 - (b) Making unwanted policies
 - (c) Drinking less water than required
 - (d) The training of researchers and health professionals
- (xii) What is oxygen depleting waste?
- (a) Organic waste that can be decomposed by aerobic bacteria
 - (b) Organic waste that can be decomposed by anaerobic bacteria
 - (c) Organic waste that can be decomposed by aerobic viruses
 - (d) Organic waste tht can be decomposed by anaerobic viruses
- (xiii) What is the main reason for ozone depletion?
- (a) Releasing of oxygen
 - (b) Releasing of chemicals
 - (c) Releasing of CFCs
 - (d) Releasing of nitrogen
- (xiv) In which unit it sound measured?
- (a) Kilometer
 - (b) Pascal
 - (c) Kilogram
 - (d) Decibel
- (xv) Harmful and high cost pesticides can be replaced by _____
- (a) Weeds
 - (b) Small animals
 - (c) Artificial protectors
 - (d) Natural predators

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- (xvi) The best way to reduce deforestation is by _____
- (a) Using more paper
 - (b) Clear more area of trees to grow plant
 - (c) Burning forest in order to create cultivated land
 - (d) Clear more area of plants to grow tress
- (xvii) Koyto protocol is an international treaty to control
- (a) Greenhouse gas emission
 - (b) Nuclear waste and safety
 - (c) Depletion of ozone layer
 - (d) Spillage of oil
- (xviii) What is the other name for infectious disease?
- (a) Non-communicable diseases
 - (b) Communicable diseases
 - (c) Non-transmissible diseases
 - (d) Heredity diseases
- (xix) What are the three R's that are used to save the environment which includes forest?
- (a) Reduce, Reuse, Recycle
 - (b) Reserve, Reduce, Recycle
 - (c) Reuse, Reserve, Reduce
 - (d) Reserve, Reuse, Reduce
- (xx) Which one of the following is not the best way to stop deforestation?
- (a) Planting trees
 - (b) Not encouraging for recycling the used products
 - (c) Go paperless
 - (d) Eat vegetarian meals as often as possible

SECTION TWO (ANSWER ALL QUESTIONS) – 20 MARKS

1. (a) Define the following terms [3 marks]
- (i) Environmental quality
 - (ii) Hazard
 - (iii) Contaminant

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- (b) Enumerate with examples five issues that environmental Health addresses [5 marks]
- (c) Using relevant examples explain three modes of hazards [3 marks]
- (d) Differentiate between [6 marks]
- (i) Built environment and social environment
 - (ii) Pollutant and contaminant
- (e) Explain the steps of risk assessment [5 marks]
- (f) Explain the characteristics of hazardous materials [8 marks]

SECTION THREE (ANSWER ANY TWO QUESTIONS – 30 MARKS)

3. Citing relevant examples, discuss any five principles of pollution prevention
4. Discuss ways of preventing and controlling the following occupational hazards
- (a) Ergonomic hazard
 - (b) Psychological hazard
 - (c) Physical hazard
5. Kenya has enacted several laws to protect the environment. However there is little regard for these laws by many of her citizens. Can the country enforce these laws in order to protect the environment for current and future generations?

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