

NURS 376

CHUKA



UNIVERSITY

**UNIVERSITY EXAMINATIONS**

**THIRD YEAR EXAMINATION FOR THE AWARD OF BACHELOR OF SCIENCE  
(NURSING)**

**NURS 376: ENVIRONMENTAL AND OCCUPATION HEALTH**

**STREAMS: BSC (NURS) Y3S2**

**TIME: 2 HOURS**

**DAY/DATE: WEDNESDAY 16/04/2025**

**8.30 A.M. – 10.30 A.M.**

**INSTRUCTIONS:**

- **Do not write anything on the question paper.**
- **Mobile phones and any other reference materials are NOT allowed in the examination room.**
- **The paper has THREE sections. Answer ALL questions**
- **Number ALL your answers and indicate the order of appearance in the space provided in the cover page of the examination answer booklet.**

**MULTIPLE CHOICE QUESTIONS (5 MARKS)**

1. Which of the following is an advantage of the VIP latrine?
  - a. It enhances control of flies and odour
  - b. It enhances control of rodents only
  - c. It is easy to construct in sand areas
  - d. It requires excreta treatment thus more safe
2. Which of the following is a bacterial disease transmitted by poor excreta disposal?
  - a. Amoebic dysentery
  - b. Poliomyelitis
  - c. Bacillary dysentery
  - d. Hepatitis B
3. Acid rain is caused by
  - a. Ozone
  - b. Oxides of nitrogen
  - c. Oxides of carbon
  - d. Oxides of sulphur
4. Which of the following is the appropriate free residue chlorine in drinking water?
  - a. 5.0 PPM
  - b. 0.8 PPM
  - c. 2.0 PPM
  - d. 0.5 PPM

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5. Which of the following, according to the laws of Kenya under the public health Act Cap 242 is correct about examination of food handlers?
- Medically examined every 6 months
  - Medically examined every 3 months
  - Medically examined every 8-12 months
  - Medically examined once a year

### SHORT ANSWER QUESTIONS (30 MARKS)

- Outline any five (5) measures that can be used in controlling human lice (5 marks)
- Explain any three measures that the government can put in place to ensure that food being sold to the citizens is safe and meets quality standards. (6 marks)
- Explain risk assessment process in occupational health. (5 marks)
- Describe three major forms of occupation hazard (6 marks)
- Describe the conventional sewage treatment process (8 marks)

### LONG ANSWER QUESTION (35 MARKS)

- Clean, safe water is vital for everyday life. Water is essential for health, hygiene and the productivity of our community.
    - With aid of a diagram describe the Hydrological Cycle (water cycle) (5 marks)
    - Explain the water treatment process (15 marks)
  - Explain in details three methods of solid waste disposal (15 marks)
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