



**AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF MEDICAL SCIENCES
DEPARTMENT OF NURSING & MIDWIFERY SCIENCES
END OF SEMESTER EXAMINATIONS**

COURSE CODE AND TITLE: BSN 312 : COMMUNITY HEALTH NURSING II

DATE: Monday 5th August 2024

Duration: 2 HOURS Start: Finish:

INSTRUCTIONS

1. This exam is out of 70 marks
2. This Examination comprises THREE Sections. Section I: Multiple Choice Questions (20 marks) Section II: Short Answer Questions (30 marks) and Section III: Long Answer Questions (20 marks)
3. Answer ALL Questions.
4. Do Not write anything on the question paper -use the back of your booklet for rough work if need be.

SECTION I: MULTIPLE CHOICE QUESTIONS**(20 MARKS)**

1. In mumps, what glands swell to produce the disease's characteristic appearance;-
 - A. The sublingual glands
 - B. The gastric glands
 - C. The parotid glands
 - D. The submandibular glands
2. The relative ability of a microbe to cause disease is ;-
 - A. Susceptibility
 - B. Virulence
 - C. Infection
 - D. Dangerous
3. The first step of the outbreak investigation is;-
 - A. Prepare for field work
 - B. Confirm existence of an outbreak
 - C. Establish case definition; identify and count cases
 - D. Verify the diagnosis
4. Risk factors are reduced in which level of disease prevention;-
 - A. Primary
 - B. Secondary
 - C. Tertiary
 - D. Primordial
5. Indicate true or false for the following statements concerning scabies;-
 - i. 10% Benzyl Benzoate Emulsion should be applied only on the affected body parts
 - ii. Scabies is characterised by a maculopapular rash
6. Select a true statement concerning anthrax;-
 - A. Its transmitted mainly through droplet
 - B. The drugs of choice in treatment is penicillin
 - C. Elimination of stray dogs is a prevention measure
 - D. The causative microorganism is a gram negative strain

7. Severe Acute Respiratory Syndrome;-
- A. Is transmitted mainly by poultry
 - B. Virus can also be isolated from a stool sample
 - C. Patients require reverse barrier nursing
 - D. Is characterized by a fever of gradual onset
8. The method is used in the control of communicable diseases through interrupting transmission is :-
- A. Treatment
 - B. Better nutrition
 - C. Behaviour change
 - D. Reservoir control
9. Concerning Brucellosis;-
- A. Is usually acquired by ingestion of food or water contaminated by the trophozoites
 - B. Caused by Gram positive bacteria
 - C. Can effectively be treated by streptomycin
 - D. Prevented by wearing protective gear when handling skins and hides
10. Indicate true or false to the following statements concerning covid 19 disease;-
- i. The disease is zoonotic
 - ii. The causative virus is an RNA virus
11. The laws of Kenya under the public health Act Cap 242 dictates that food handlers should be;
- A. Medically examined every 6 months
 - B. Medically examined every 3 months
 - C. Medically examined every 8-12 months
 - D. Medically examined once a year
12. The occupational health nurse ensures that the working hours organized in such a way that they allow the worker to have breaks in between. When doing so she is executing her:
- A. Professional Role
 - B. Environmental Role
 - C. Managerial Role
 - D. Educational Role

13. Promotion of good occupational health involves:
- A. Good construction of building and machines installation.
 - B. Proper utilization of protective safety equipment sometimes.
 - C. Occasionally observing good personal hygiene and health.
 - D. Minimal rest when working with machines
14. Airborne precautions are applied for:
- A. Scabies, Measles
 - B. Malaria, Tuberculosis.
 - C. Human immunodeficiency virus, Trachoma.
 - D. Measles, chicken pox.
15. The vector for *Onchocerca volvulus* is:
- A. Sandfly.
 - B. Tsetse fly
 - C. *Simulium damnosum*.
 - D. Reduviid bug.
16. During history taking, a statement made by the patient that supports the diagnosis of Hepatitis A is:
- A. "I have had unprotected sex with multiple partners."
 - B. "I ate shellfish about 2 weeks ago at a local restaurant."
 - C. "I was an intravenous drug abuser in the past and shared needles."
 - D. "I had a blood transfusion 30 day ago after major abdominal surgery."
17. During assessment, a patient with positive Kernig's sign will:
- A. Rigidly extend the arms with pronated forearms and plantar flexion of the feet.
 - B. Flex a leg at the hip and knee and report pain in the vertebral column when the leg is extended.
 - C. Passively flex the hip and knee in response to neck flexion and reports pain in the vertebral column.
 - D. Flex upper arms and hold tightly to the sides of the body and the legs are extended and internally rotated.

18. The aetiologic agents for cutaneous leishmaniasis are:

- A. *L. major*, *L. tropica*
- B. *L. infantum*, *L. donovani*.
- C. *L. braziliensis* , *L. panamensis*.
- D. *L. tropica*, *L. panamensis*.

19. The vector for *Trypanosoma brucei* is:

- A. Sandfly.
- B. Tsetse fly.
- C. Reduviid bug.
- D. *Simulium damnosum*.

20. Biological hazards include:

- A. Prokaryotes, Eucaryotes.
- B. Heat, Sound.
- C. Culture, Attitudes.
- D. Radiation, Lifestyle.

SECTION II: SHORT ANSWER QUESTIONS **(30 MARKS)**

1. Describe the life cycle of plasmodium spp (6 marks)
2. Outline four (4) sources of water pollution in the community (4 marks)
3. State the stages of trachoma (5 marks)
4. State Five (5) importance of the Hazard Analysis Critical Control Point in control of hazards in food processing (5 marks)
5. Outline five roles the community health nurse does in the prevention and control of rabies (5 marks)
6. State five factors that contribute to the occurrence of emerging and reemerging diseases in the community (5marks)

SECTION III: LONG ANSWER QUESTIONS **(20 MARKS)**

1. As a community health nurse, you are tasked with managing public health challenges within your area;-
 - a) An outbreak of measles has been reported in the area in which you serve as the community health nurse.
 - i. Outline five disease patterns that can occur (5marks)
 - ii. Describe seven steps that you will employ when conducting a disease outbreak investigation (15 marks)