

---

**UGANDA MARTYRS UNIVERSITY**  
**FACULTY OF HEALTH SCIENCES**  
**BACHELOR OF SCIENCE IN PUBLIC HEALTH**  
**YEAR I SEMESTER II EXAMINATIONS**  
**MODULE CODE: BSPH 1202**  
**INTRODUCTION TO COMMUNICABLE DISEASES**  
**JULY 23<sup>rd</sup> 2022**  
**9:00AM – 12:00PM**

**ATTEMPT ALL QUESTIONS:**

**SECTION A (20 MARKS).**

1. **Perinatal transmission is said to occur when a pathogen is transmitted from**
  - a) Non-human to a human.
  - b) Infected to uninfected.
  - c) Mother to infant
  - d) All of the above
2. **The person who harbors the microorganism but does not manifest the signs and symptoms of the disease are called.**
  - a) Contact
  - b) Infected
  - c) Suspect
  - d) Carrier
3. **Which of the following statement is true for cholera**
  - a) It is caused by *Vibrio cholera*
  - b) Cholera is a waterborne
  - c) It can be treated by tetracycline and ciprofloxacin
  - d) All of the above

- 
4. **Whooping cough is**
- a) Droplet infection
  - b) Foodborne infection
  - c) Waterborne infection
- 
5. **One of the diseases below is spread through coughing and sneezing**
- a) Diphtheria
  - b) Hepatitis
  - c) Pertussis
  - d) Polio
6. **Leishmania donovani is the causative agent for**
- a) Sleeping sickness
  - b) Athletes foot
  - c) Kalazar
  - d) Measles
7. **HIV can be spread through**
- a) Sexual contact with HIV positive person
  - b) Getting stuck with an HIV contaminated need
  - c) From HIV positive mother to child during pregnancy, birth, or breastfeeding
  - d) All of the above
8. **The 1918 flu pandemic also called the Spanish flu was caused by**
- a) H1N1 influenza A virus
  - b) SARS coronavirus 2
  - c) Influenza C virus
  - d) Simian virus 5
9. **The bacterium Yersinia pestis causes**
- a) Bubonic plague
  - b) Rubella
  - c) Roseola
  - d) Measles
10. **Which of the following terms refers to the degree of pathogenicity of a microbe or in other words the relative ability of a microbe to cause disease**
- a) - Susceptibility

- b) Virulence
- c) Infection
- d) Dangerous

**SECTION B (40 marks)**

11. List 5 communicable diseases of public health importance **(5 marks)**

12. Complete the table below **(10marks)**

Diarrheal diseases	
Case Management <b>(2marks)</b>	Prevention and control <b>(3 marks)</b>
Malaria disease	
Case management <b>(1 mark)</b>	Prevention and control <b>(4 marks)</b>


13. Define the following terms (5marks)

a) common source outbreak

b) Propagated outbreak

14. The following are control of communicable diseases at the health systems level, write short notes on the following: (10 marks)

a) Health systems

b) Surveillance, case management, and control.

c) Immunization programs

d) Capacity building

e) Policy development, planning, monitoring, and evaluation

---

f) Promoting partnership and coordination among stakeholders.

g) Resource mobilization and allocation

h) Communication

14. Syphilis Clinical manifestations **(10marks)**

a) Define Syphilis

b) The clinical presentation is divided into three groups:

Primary syphilis

Secondary syphilis

Tertiary syphilis

c) Treatment

**SECTION C: (40 marks):**

15. There is an outbreak of cholera and viral hepatitis E in Bentiu Internally Displaced People's Camp, Unity State in South Sudan. Pregnant mothers and children (0-59 months) are mostly infected & affected.

(i) Present your plan for conducting a baseline survey **(10 marks)**

- (ii) Develop a robust 10 WASH Intervention to control the high morbidity and mortality arising from the two infectious diseases? (10 marks)

16. READ THE ADVERT BELOW AND ANSWER THE ACCOMPANYING QUESTIONS:

The mission of the Infectious Diseases Institute (IDI) is to “Strengthen Health Systems in Africa with a strong emphasis on Infectious Diseases through Research and Capacity Development”. IDI has six operational areas through which it works to achieve its mission: Prevention, Care and Treatment, Training, Research, Laboratory services (including the CAP-certified IDI Core Lab & Translational Lab), Global Health Security, and Health System Strengthening Programmes. With funding from Centres for Disease Control and Prevention (CDC)/PEPFAR, and in partnership with MoH and respective District Local Governments, IDI is implementing comprehensive HIV/AIDS services in the West Nile region of Uganda under the project “Accelerating and Sustaining HIV Epidemic Control and Related Diseases in West-Nile Region of Uganda under the President’s Emergency Plan for AIDS Relief (PEPFAR), 2020-2025”. The project supports the 12 districts of; Arua, Maracha, Madi-Okol,lo, Terego, Koboko, Yumbe, Moyo, Obongi, Adjumani, Pakwach, Nebbi and Zombo. under the project: As part of scale-up activities for this five-year project (2020-2025), IDI is soliciting applications for the following positions:

**Job Title:** District Led Programming Officers (4 positions)

**Vacancy Code:** DLPO X002 Classification:

**Fixed-term (Contract),** full-time

**Reporting to:** Regional Programme Manager with a link to the District Health Officer

**Salary:** Commensurate with training and experience

**Duty station:** Any of the District Field Coordination Offices (Arua, Koboko, Nebbi, and Adjumani)

**General Summary:** The position holder will provide technical support to the district health team (DHT) and will support district-led programming activities for a decentralized HIV/AIDS response. He/she will initiate, plan, coordinate and evaluate project activities designed to enhance the capabilities, governance, and functionality of DHTs. The job holder will work very closely with the DHOs Office, health facilities, and other stakeholders. He/she will lead capacity-building efforts to reinforce the competencies of DHTs and HCWs and will be the key liaison between IDI and the district.

---

### **Educational Requirements:**

☐ Bachelor's degree in Medicine and Surgery or a related health field.

☐ Post Graduate training in Project Planning and Management will be an added advantage

☐ **KEY:** A master's degree in Public Health or a related field with at least 3 years of public health Programme experience will be an added advantage.

☐ Specialized training in HIV/AIDS is essential. Required experience and skills

☐ Experience in strategic planning, health systems strengthening, and participatory approaches.

☐ Familiarity with the functioning of the decentralized Local Government System of Uganda.

☐ Knowledge of PEPFAR/US Government programming policies and regulations, procedures, and practices, which bear on project management in support of cooperative agreements.

☐ Strong oral and written communication skills.

☐ Excellent interpersonal skills including the ability to work effectively with the DHTs and HFs.

☐ In-depth knowledge and experience in HIV/AIDS programming.

☐ Experience with Monitoring and Evaluation of programs.

☐ Project planning skills and a good understanding of sub-granting systems to local governments.

- a) From the advert, you have been selected to attend the interviews, discuss 10 duties and responsibilities that you will implement in regard to that advert **(10marks)**

17. Discuss 8 steps of an outbreak investigation **(10marks)**

**SUCCESS IN YOUR EXAM**