



MACHAKOS UNIVERSITY

university examinations for 2018/2019 academic year

SCHOOL OF HEALTH SCIENCES

DEPARTMENT OF PUBLIC AND COMMUNITY HEALTH

**FIRST YEAR SECOND SEMESTER EXAMINATION FOR
DIPLOMA IN HEALTH RECORDS AND INFORMATION TECHNOLOGY**

DHR 008: PATHOLOGY

DATE: 30/4/2019

TIME: 8:30 – 10:30 AM

INSTRUCTIONS:

This paper consists of two sections A and B

Section A is compulsory and has Part (i) and part (ii)

Section B choose any two (2) questions

SECTION A: COMPULSORY

PART (I) MULTIPLE CHOICE QUESTIONS - 10 MARKS

1. Which of the following is not one of the functions of pathology
 - a) study the nature and causes of disease
 - b) Investigates the causes of diseases
 - c) analyses body fluids
 - d) Investigates community health problems

2. Which pathology discipline examines the cellular elements either in fluids or in pap smear?
 - a) chemical pathology
 - b) Cytology
 - c) hematology
 - d) microbiology

3. The Pathogenesis of disease means
 - a) Study of tissues under the microscope
 - b) Screening for the early detection of asymptomatic cancer
 - c) The way a disease etiology operates to produce the pathological and clinical manifestations.
 - d) A type of abnormal and excessive growth
4. Which of the following is medically called cancer?
 - a) Benign neoplasm,
 - b) In situ neoplasms,
 - c) Malignant neoplasms
 - d) Secondary angioma
5. A state of decreased oxygen supply to tissues caused by obstruction of arterial blood flow?
 - a) Hypertrophy,
 - b) Atrophy,
 - c) Hypoxia
 - d) metaplasia
6. A state of a tissue where there is a death of single cells within clusters of other cells is referred to as;
 - a) Apoptosis
 - b) Metaplasia.
 - c) Hypoxia
 - d) Necrosis
7. The following are the risk factors of cardiovascular diseases except?
 - a) Age
 - b) Sex/gender
 - c) High cholesterol
 - d) Name
8. Which of the following is not a Lower Respiratory Infections?
 - a) Otitis media,
 - b) Bronchiolitis
 - c) Pneumonia
 - d) Bronchitis,

9. which of the following is not true about Epilepsy/Seizures?
- a) It is an unpredictable, serious, and potentially fatal disorder of the nervous system,
 - b) It is thought to be the result of faulty electrical activity in the brain.
 - c) Epileptic seizures result from abnormal, excessive, neuronal activity in the brain
 - d) Caused by a number of different pathogens (i.e. viruses, bacteria, protozoa, fungi, and prions)
10. The procedures used in the renal system include
- a) Nephrosis and ephrolith
 - b) Cystoscopy and dialysis
 - c) Stethoscope and Intravenous pyelogram
 - d) Intravenous pyelogram and nocturia

PART (II) SHORT ANSWER QUESTIONS -20 MARKS

QUESTION ONE

- a) Name six environmental factors that causes disease (3 marks)
- b) Define these terms (3 marks)
 - i) Pathology
 - ii) Immunodeficiency
 - iii) Autoimmunity
- c) Outline four causes of inflammation (2 marks)
- d) Name three functions of renal system (3 marks)
- e) Differentiate between antibodies and antigens (3 marks)
- f) Name 3 external sources causes of a secondary immunodeficiency disorder (3 marks)
- g) Name six types of cancer based on the organ affected (3 marks)

SECTION B CHOOSE ANY TWO QUESTIONS

QUESTION TWO (20 MARKS)

- a) Explain major risk factors of cancer (10 marks)
- b) Describe the major lifestyle changes to help prevent the causes of kidney disease (10 marks)

QUESTION THREE (20 MARKS)

- a) Discuss ten (10) risk factors of cardiovascular diseases (10 marks)
- b) Describe five (5) causes of Central nervous system diseases (10 marks)

QUESTION FOUR (20 MARKS)

- a) Outline the beneficial effects of acute inflammation (10 marks)
- b) Describe the risk factors or behaviors that might weaken our immune system (10 marks)

QUESTION FIVE (20 MARKS)

- a) As a Health Records and Information Student, state the objectives of learning the pathology of Cancer (10 marks)
- b) Describe five disciplines of pathology that provide diagnostic services (10 marks)