

**KENYA MEDICAL TRAINING COLLEGE-SIAYA**

**DEPARTMENT OF HEALTH RECORDS AND INFORMATION**

**CERTIFICATE IN HEALTH RECORDS AND INFORMATION**

**SEPTEMBER 2016 CLASS**

**SUBJECT: HUMAN PATHOLOGY**

**DATE: 1ST MARCH, 2017 TIME: 2HRS**

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| INSTRUCTION   1. Write your Name and College number at the right hand corner of the answer sheet 2. Be clear, precise, neat and orderly in your answers 3. Answer all Questions avoiding spelling mistakes 4. CHEATING in the examination will lead to disqualification from the entire exam 5. MOBILE PHONES are not allowed in the examination room |

**SECTION ONE: MULTIPLE CHOICE QUESTIONS**

1. Diseases in which a person’s immune system attacks the person’s own normal tissues are called

A) Secondary immune diseases B) Clonal expansion diseases

C) Antigen presenting diseases D) Autoimmune disease E) Primary response disease

1. Which organ below is not part of the immune system

A) Thymus B) Bone marrow C) Spleen D) Liver D) None of the above

1. The immune response is terminated or decreased by

A) Suppressor B cells C) Suppressor T cells D) Both of the above

E) None of the above; the immune response can only be stimulated, and not terminated

1. Cell-mediated immunity is mainly a function of………………

A) B-cells B) T-cells C) Neutrophils D) Macrophages

1. A carcinogen causes\_\_\_\_\_\_\_\_

A) Congenital abnormality B) Cancer C) AIDS D) Autoimmune disease

1. The following are signs of inflammation except
2. Oedema
3. Hyperemia
4. Exudates
5. Dehydration
6. What is the name given to the surgical removal of the testis?
7. Orchodotosis
8. Orchidorrhapy
9. Orchidectomy
10. Orchidopexy
11. Which of the following is not a complication of sexually transmitted diseases in females
    1. Infertility
    2. Cervicitis
    3. Dysuria
    4. Prostatitis
12. The other name for neoplasm is……………..
13. Hernia
14. Carcinogen
15. Tumour
16. Radiation
17. The immunoglobulin found in a mother’s milk is
18. Ig M
19. Ig A
20. Ig E
21. Ig G

**SECTION TWO: READ THE FOLLOWING STATEMENTS AND STATE WHETHER THEY ARE TRUE OR FALSE**

1. Cytology deals with the examination of blood sample taken from the body
2. The main mode of action of macrophages is by phagocytosis
3. In most instances, exposure to an antigen leads to occurrence of disease
4. Neutrophils are more abundant in chronic inflammation than in acute inflammation
5. Cytotoxic cells of the immune system are outlived by the memory cells
6. Haemorrhage is a sign of cancer
7. Diagnosis aims to come up with the likely outcome of the disease
8. Aging has no effect on the immune system
9. Immunoglobulin A is the most abundant immunoglobulin found in the blood
10. Cancer is a disease in which cells multiply uncontrollably and destroy healthy tissue

**SECTION THREE: FILL IN THE BLANK SPACES**

1. Antibodies are made by --------cells
2. ------------is the study of micro-organisms
3. The two mechanisms of cell death are ………………… and ……………….
4. A tumour arising from epithelial tissue is ……………………….
5. The most abundant type of antibodies are the …………………………..
6. Match the terms in column A to the corresponding meaning in column B

|  |  |  |
| --- | --- | --- |
| Acquired immunity | Source | Correct name |
| From mother | (6)…………….. |
| Ready-made serum | (7)……………… |
| After having subclinical disease | (8)…………….. |
| After administration of toxoid | (9)…………….. |

**SECTION FOUR: SHORT ANSWER QUESTIONS**

1. Define the following terms as used in Human Pathology
2. Lesion
3. Pathophysiology
4. Aetiology
5. Virulence
6. Incontinence (10mks)
7. List five causes of chronic inflammation (5mks)
8. List six risk factors associated with decrease in bone mass (6mks)
9. List seven conditions of pregnancy and puerperium (7mks)
10. List the major causes of neoplasms (4mks)
11. List the four C’s used in the management of sexually transmitted diseases 4mks

**SECTION FOUR: LONG ANSWER QUESTIONS**

1. Describe the approaches used in cancer treatment (6mks)
2. Describe the types of hypersensitivity (8mks)
3. Describe the course of disease (7mks)
4. Discuss classification of diseases (5mks)
5. Discuss tissue and cellular response to injury and disease (8mks)