



(University of Choice)

MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY (MMUST)

Main CAMPUS

UNIVERSITY EXAMINATIONS 2021/2022 ACADEMIC YEAR

Second YEAR SECOND semester EXAMINATIONS FOR THE DEGREE OF OPTOMETRY

COURSE CODE:

BML231: Main Exam

COURSE TITLE: GENERAL PATHOLOGY

DATE: 28/04/2022

TIME: 1-3PM

INSTRUCTIONS TO CANDIDATES

This paper is divided into three sections, A B and C, carrying respectively: Multiple Choice Questions (MCQs), Short Answer Questions (SAQs) and Long Answer Questions (LAQs).

TIME: 2 Hours

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 5 Printed Pages. Please Turn Over.

1. Which one of the following is/are the core aspects of diseases in pathology A. Etiology, B. Pathogenesis C. Morphologic changes D. Functional derangements and clinical significance. 2. The mechanism through which the cause operates to produce the pathological and clinical manifestations is called? A. Prognosis B. Pathogenesis C. Exudation D. Diagnosis 3. Which of the following techniques is involved in examination of tissues biopsy? A. Histopathology B. Cytopathology C. Hematopathology D. Cytogenetics 4. Which among the following is regarded as the founder of the field of cellular pathology? A. Rudolph Vichow B. G.B Morgagni C. Hippocrates D. Portret Bethesda 5. Which one of the following is/are not possible outcome of cell injury? A. The cell may adapt to the situation B. The cell may acquire a reversible injury C. The cell may obtain an irreversible injury D. The cell may die 6. The accumulation of iron-containing pigment derived from ferritin is called? A. Melanin B. Jaundice C. Hemosiderin D. Bilirubin 7. Which of the following is not mechanism of necrosis A. Hypoxia B. Free radical-induced cell injury C. nuclei damage D. Increased intracellular calcium level 8. Which one of the following is not etiology of hypoxia A. Anaemia B. Ischemia C. Carbon dioxide D. Carbon monoxide 9. Which of the following is a type of necrosis?

A. Gangrenous necrosisB. Liquidifactive necrosisC. Tryglyceride necrosisD. Protein necrosis

10. A resp	onse of vascularized towards injurious cell is called?
A.	inflammation
В.	Reaction
	Pathogenesis
	Necrosis
11. Which	of the following lipids is response for pain during inflammation
	Prostaglandin
	Serotonin
	Bradykininn
	Glycerides
	of the following compliment system is used to increase permeability during
inflam	
	C3a
	C3b
	C5b
	C3ai
	of the following is edema protein-rich fluid?
	Exudate
	Transudate
	Pus
	Serous
inflamı	one of the following is hematological derangement as result of systemic
	Fever
	Leucopenia
	Weight loss
	Autonomic
	one of the following cytokines does not mediates heat during inflammation
	IL-1
	IL-2
	IL-6
	TNF-alpha
	one is not an example of benign mesenchymal tumors?
	Fibroma
	Lipoma
	Chondrom
	Adenoma
17. Which	of the following is not Cytologic features of anaplasia:
	Nuclear & cellular pleomorphism
	Hypochromasia
	Frequent mitoses
	Loss of polarity
	of the following cancers occurs as results of fatty diet
	Colonic cancer
	mesothelioma
	cervical cancer
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- D. lung cancer
- 19. Lack of the -----genes activity reduces apoptosis by decreasing BAX transcription
 - A. BCL2
 - B. Rb1
 - C. BRCA1
 - D. p53
- 20. Which of the following is an example of intraocular cancer?
 - A. Melanoma
 - B. Lymphoma
 - C. Glycoma
 - D. Cataroma

SECTION B (40 MARKS)

- 1. Describe the course of disease (8 marks)
- 2. Compare & contrast the various types of cellular adaptation (8 marks)
- 3. Compare & contrast necrosis & apoptosis (5 marks)
- 4. Describe the etiology of cancer? (5 marks)
- 5. Discuss the pathopysiology of the cardinal sign of acute inflammation (8 marks)
- 6. Why is inflammation a largely protective response? (6 marks)

SECTION C (60 MARKS)

- 1. Discuss Hordeolum disease
 - a. Define (2 marks)
 - b. Types (2 marks)
 - c. Causes (2 marks)
 - d. Risk factor (2 marks)
 - e. Clinical presentation (4marks)
 - f. Complication (2 marks)
 - g. Differential diagnosis (2 marks)
 - h. Treatment (2 marks)
 - i. Prevention and control (2 marks)
- 2. Describe the causes of diseases (20 marks)
- 3. Discuss any five ocular diseases (20 marks)