



MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY

(MMUST)

MAIN CAMPUS

UNIVERSITY EXAMINATIONS

2022/2023 ACADEMIC YEAR

THIRD YEAR

SECOND SEMESTER EXAMINATIONS

MAIN EXAM

FOR THE DEGREE

OF

BACHELOR OF SCIENCE CLINICAL MEDICINE, SURGERY AND COMMUNITY HEALTH

COURSE CODE: HCM 416

COURSE TITLE: OPHTHALMOLOGY

DATE: MONDAY 17TH APRIL 2023 **TIME:** 8:00-10:00 AM

INSTRUCTIONS TO CANDIDATES

- 1. Answer all questions in the three sections
- 2. Section A comprises 20 Multiple choice questions
- 3. Section B comprises 4 short essay questions
- 4. Section C comprises 1 long essay questions

TIME: 3 Hours

MMUST observes ZERO tolerance to examination cheating Include page numbers and indicate if student will be required to answer questions on the question paper or a separate booklet will be provided for them to answer on.

SECTION A: Multiple choices questions {20MKS}

- Q1. Which one of the following is true about lashes?
 - A. Poliosis is decrease in number of lashes
 - B. Madarosis is whitening of lashes
 - C. Distichiasis is an extra row of lashes
 - D. Trichiasis may be associated with ectropion
- Q2. Which one of the following is true about abnormal lid positions?
 - A. Involutional ectropion is age related
 - B. Cicatricial ectropion is caused by facial palsy
 - C. Mechanical ectropion is caused by scaring
 - D. Paralytic ectropion is caused by tumor
- Q3. All the following are components of ptosis assessment except?
 - A. Bell's phenomenon
 - B. Vertical fissure height
 - C. Upper lid excursion
 - D. Anterior chamber depth
- Q4. Follicles are present in all of the following except
 - A. Trachoma
 - B. Gonococal conjuctivitis

C. Mollucum contagiosum conjunctivitis D. Herpes simplex conjunctivitis Q5. The following are malignant conjunctival tumors EXCEPT A. Nevus B. Melanoma C. Kaposi sarcoma D. Squamous cell carcinoma Q6. The following are causes of peripheral corneal ulcer EXCEPT A. Mooren ulcer B. Rheumatoid ulcers C. Terrien marginal degeneration D. Vernal keratisis O7. Which one of the following corneal ulcers are associated with satellite lesions A. Bacterial B. Acanthameba C. Herpes simples D. Herpes zoster Q8. Regarding congenital corneal anomalies A. Microcornea: corneal diameter is less than 13mm B. Megalocornea: corneal diameter greater than 10mm C. Sclerocornea: peripheral opacification

D. Cornea plana: increased corneal curvature

Q9. What is chalazion?

- A. Inflammation of the melbomian glands
- B. Inflammation of the glands of Moll and Zeis
- C. Inflammation of the lacrimal sac
- D. Inflammation of the lacrimal glands

Q10. The following describes the anatonomical classification of uveitis EXCEPT

- A. Anterior uveitis
- B. Intermediate uveitis
- C. Posterior uveitis
- D. Chronic uveitis

Q11. Which of the following is a sign of anterior uveitis?

- A. Lid oedema
- B. Circumcorneal congestion
- C. Photophobia
- D. Corneal oedema

Q12. The following are factors associated with development of cataract **EXCEPT**

- A. Heredity
- B. Maternal factors
- C. Foetal or infantile factors
- D. Glaucoma

Q13. Which of the following is **NOT** a factor of posterior vitreous detachment?

	A hole in the posterior hyaloid membrane
	Degenerations
Q14. Whi	ch part of the eye has the highest concentration of cones?
A.	Ora serrata
B.	Optic disc
	Macula
D.	Peripheral retina
Q15. Whe	re is the levator palpebrae located?
A.	Roof of the orbit
B.	Floor of the orbit
C.	Eyelid
D.	Non of the above
Q16. Trab	ecular mesh is located in which part of the eye?
A.	Peripheral angle of the anterior chamber
B.	Posterior chamber
C.	Ciliary body
D.	Anterior surface of the iris
Q17. The	uveal tract is composed of the following except
A.	Choroid
B.	Ciliary body
C.	Iris
D.	Cornea
Q18. Whi	ch of the following sequence is correct order of refractory media of the eye?
A.	Vitreous humor, lens, aqueous humor, cornea
B.	Cornea, aqueous humor, lens vitreous humor
C.	Cornea, vitreous humor, lens, aqueous humors
D.	Lens, aqueous humor, cornea, vitreous humor
	ch one of the following is not a gland of the eyelid?
Q19. Whi	on one of the feno wing is not a grana of the cyclia.

A. Flashes of light and floaters

B. Collapsed vitreous

- B. Glands of mollC. Glands of zeisD. Lacrimal gland
- Q20. The following factors all contribute towards corneal transparency except?
 - A. Regulation arrangement of stromal lamellae
 - B. Cornear avascularity
 - C. Myelinated nerve fibres
 - D. Relative state of corneal dehydration

SECTION B {30MKS}

- Q1. Describe the following disorders of the eye lashes and management {10mks}
 - I. Trichiasis
 - II. Metaplastic lashes
- III. Phthriasis palpebrarum
- IV. Madarosis
- V. Poliosis
- Q2. Name 4 types of anterior scleritis and their management {4mks}
- Q3. Name the 6 extra ocular muscles of the eye (6 mark).
- Q4. Using a diagram describe the 10 layers of the retina. (10 marks)

SECTION C {20MKS}

1. Q1. Discuss the various types and management of corneal microbial infections {20mks}