

2206000103010101
EXAMINATION FEBRUARY-MARCH 2024
BACHELOR OF MEDICINE AND BACHELOR OF SURGERY
(THIRD PART-1)
OPHTHALMOLOGY (NEW) - LEVEL 1

[Time: As Per Schedule]

[Max. Marks: 100]

Instructions:**1. Fill up strictly the following details on your answer book**

- a. Name of the Examination : **BACHELOR OF MEDICINE AND BACHELOR OF SURGERY (THIRD PART-1)**
- b. Name of the Subject : **OPHTHALMOLOGY (NEW) - LEVEL 1**
- c. Subject Code No : **2206000103010101**

2. Sketch neat and labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question.
4. All questions are compulsory.
5. Write section I and section II in separate answer books.
6. Read each question carefully. There may be sub questions carrying separate markings. Answer all sub questions at one place only.
7. Write legibly and draw diagram with black pencil wherever indicated.
No marks will be given for the material which cannot be read.

Seat No:

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Student's Signature

SECTION – I

Q.1 Describe the anatomy of the cornea using a neatly labelled diagram and describe the Factors responsible for its transparency. (4+2+4) **10**

Q.2 Answer any one of the following: **10**

1. A 20 year old female comes to ophthalmic OPD complaining of severe mucopurulent discharge in both the eyes from 2 days with redness. On examination there is conjunctival congestion, matted lashes and cornea is normal.

- i. What is a probable diagnosis? Justify **1+1**
- ii. Describe the treatment **3**
- iii. Mention different types of eye discharge with their corresponding causes **5**

OR

2. A 10 year old boy is brought by his parents with itching, redness and foreign body sensation off and on, from last 6 months. Parents give history of symptoms being relieved by use of "over the counter" eyedrops.

- | | | |
|------|--|---|
| i. | What is the probable diagnosis from history? Justify | 2 |
| ii. | Name the group of "over the counter" eyedrops which would have relieved the symptoms in this case. | 1 |
| iii. | Describe the ophthalmic signs likely to be found in this condition | 4 |
| iv. | Describe the treatment modality | 3 |

Q.3 Write short notes on any four of the following: **20**

- | | | |
|----|--|---------|
| 1. | Describe classification & clinical features of entropion. | |
| 2. | Describe relative afferent pupillary defect and enumerate its causes. | 3+2 |
| 3. | Describe the fundus findings of a case of pathological myopia. | |
| 4. | Mention Anomalies of accommodation and write in brief about anyone. | 2+3 |
| 5. | Mention the common causes of corneal blindness. Write the surgical modalities to treat it. | 2.5+2.5 |

Q.4 Answer any five of the following: **10**

1. Describe definitive treatment of dendritic corneal ulcer.
2. Enumerate four clinical signs of aphakia
3. Enumerate all the glands present in the eyelids.
4. Enumerate four common causes of scleritis.
5. Write the treatment of squamous blepharitis.
6. Draw a neatly labeled diagram of Lacrimal apparatus.

SECTION – II

Q.5 Describe the clinical features & management of open angle glaucoma. (5+5) **10**

Q.6 Write any one out of the following:
10

1. A male patient 45 year old was referred to an ophthalmologist for evaluation of a case having history of transient blurring of vision associated with severe headache and pulsatile vomiting. His visual acuity was 6/6 in both eyes, anterior segment & IOP normal. Fundus examination reveals, both eyes disc hyperaemia and blurring of disc margin.

- | | |
|--|----------|
| a. What is the likely diagnosis? Justify | 2 |
| b. Describe the etiopathogenesis for this condition? | 4 |
| c. Write four differential diagnosis of disc edema? | 2 |
| d. Enumerate 4 ophthalmic causes of headache | 2 |

OR

2. A 40 year old female presents to the eye OPD with bilateral proptosis from 1 month associated with weight loss, palpitation and excessive sweating

- | | |
|--|----------|
| 1. What is the likely cause? | 1 |
| 2. What other associated signs can be seen on eye examination in such condition? | 5 |
| 3. Enumerate four causes of unilateral proptosis | 4 |

Q.7 Write short notes on any four of the following:
4*5=20

1. How will you counsel a relative of terminally ill patient to motivate for eye donation in case patient dies.
2. How will you counsel an engineer, 50-year-old with Grade 2 cataract for type of Intraocular lens to be implanted during phacoemulsification surgery.
3. Describe the stages of cataract maturity with a brief description of each stage?
4. Describe in detail Proliferative Diabetic Retinopathy and its complications
5. Describe the clinical features of acute anterior uveitis.

3+2

Q.8 Answer any 5 of the following:**10**

1. Enumerate four fundus signs of hypertensive retinopathy.
2. Enumerate four indications of using atropine eye drops.
3. Mention the function of superior rectus muscle.
4. Name the type of local anesthesia currently used in cataract surgery and enumerate any two dreaded complications of local anesthesia.
(1+1)
5. Enumerate four ophthalmic manifestation of Tuberculosis.
6. Mention any four tests routinely done for squint assessment.

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