

# Question Paper

Exam Date & Time: 09-01-2023 (10:20 AM - 01:00 PM)



**MANIPAL ACADEMY OF HIGHER EDUCATION**  
**THIRD PROFESSIONAL YEAR MBBS DEGREE EXAMINATION – JANUARY 2023**  
**SUBJECT: OPHTHALMOLOGY**  
**(CBME BATCH – REGULAR)**

Marks: 80

Duration: 160 mins.

**Read the questions carefully and answer to the point.**

**Use line diagrams, flow charts and tables wherever appropriate.**

**All questions to be answered.**

**Essays:**

- 1) A 18 year old boy comes with the complaints of blurring of vision reading for a long time. He complains of headachetowards the middle of the day with eye strain. He is unable to see the board at school and is comfortable with near vision.
  - 1A. What is the most probable cause for this visual disturbance? (2)
  - 1B. How will we evaluate this boy to arrive at a diagnosis? (2)
  - 1C. If we do an indirect ophthalmoscopy in this patient what are the changes expected to be seen? (4)
  - 1D. What are the various modalities of treatment available to treat this boy? (2)
  
2. A 60 year old patient comes to the OPD with sudden pain and drop in vision in the right eye after coming out of a movie theatre half an hour ago. She gives history of similar episodes in the past towards evening time. She gives history of colored haloes and pain at the brow. She also has vomiting sensation after the pain started today.



- 2A) What is your diagnosis? (2)
- 2B) What are the clinical features you will see in this patient? (3)
- 2C) How will you manage this patient? (5)

3) **Short Answers:**

- 3A) If the facial nerve is damaged during parotidectomy what is the lid abnormality seen? What will be the clinical features in the eye and how will you manage? (1+3)

- 3B) What are the differential diagnosis for a limbal nodule? How will you manage a phlycten. (2+2)
- 3C) Give 4 differential diagnosis for focal congestion in the eye. How will you evaluate and treat nodular Scleritis? (2+2)
- 3D) A 25 year old male comes to the OPD with complaints of irritation and pricking sensation of the right eyes since 3 days. This was associated with redness and watering of the eye. He gives history of burning sensation over the forehead on the right side, with some fluid filled lesions on the fore - head since 5 days. History of blurring of vision since one day is also present.



What is the diagnosis? What are the other clinical spectrum of this condition? (1+3 = 4)

- 3E) What is seen in farmers mostly on the nasal aspect of the eye, who commonly work in the sun and are exposed to UV light and dust? How will you manage and make sure it does not recur?(1+3 = 4)
- 3F) How will you clinically differentiate between a granulomatous and non - granulomatous uveitis? (4)
- 3G) Mention the various surgical options available to treat a patient with cataract. Discuss any 2 postoperative complications of cataract surgery and how will you manage them? (2+2 = 4 marks)
- 3H) A patient with chronic uveitis developed cataract, what is this type of cataract called? What are its characteristic clinical features? How will you treat it? (1+2+1 = 4)
- 3I) How will you clinically differentiate between a paralytic and non- paralytic squint? (4)
- 3J) Name the two oblique extraocular muscles and their primary action along with their innervation. (2+2 = 4 marks)
- 3K) During Phaco emulsification there was a large posterior capsular rupture and the patient was left aphakic. What are the visual rehabilitation choices available for this patient? If not rehabilitated what are the visual disturbances seen in this patient? (4)
- 3L) A 25 year old boy came with complaints of night blindness and history of similar complaints in his brothers too.



What is the diagnosis? What other systemic evaluation will you do in this patient? (1+3 = 4)

- 3M) What are the instances in which confidentiality of patient information may be breached? (4)
- 3N) Draw a neat labelled diagram of the pupillary pathway. What is swinging flash light test and what is its significance? (2+2 = 4)
- 3O) What is SAFE strategy? Which eye disease does this cater to? (3+1 = 4)

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