



All India Institute of Medical Sciences, Kalyani

Third Professional Part-I MBBS Supplementary Examination (Batch-2019-20)

Time: 3 Hrs.

Ophthalmology

Marks: 100

INSTRUCTIONS:

- Answer all questions.
- Illustrate your answers with well labelled diagram wherever necessary.
- Answer each section in a separate answer book.

SECTION – A (50 MARKS)

Long answer question:

[2X10=20]

1. A 36 years old man presents with acute onset of pain, redness, photophobia and blurring of vision in one eye since last 3 days. (4+3+3=10)
 - a. What are the clinical findings in this patient, that will help you diagnose it as acute iridocyclitis?
 - b. How will you treat this patient with acute iridocyclitis?
 - c. What may be the complications of acute iridocyclitis, if the patient fails to get the treatment on time?
2. A 65 years old lady presents with bilateral cataract. How will you preoperatively manage the patient (what are the tests you will perform), before posting for cataract surgery? (10)

Write Short notes on:

[6X5=30]

3. What are the factors maintaining the transparency of the cornea? (5)
4. Draw a labelled diagram of a vertical cut section of the upper eyelid, describing the structure of the upper eye lid. (5)
5. Describe the clinical features of vernal keratoconjunctivitis. (5)
6. a. Define and draw a ray diagram of the optical condition of the eye in Myopia. (3+1+1)
b. How will you optically correct Myopia.
c. What test you need to perform to look for lattice degeneration in the periphery of retina in Myopia.
7. What are the medications used to reduce intraocular pressure in Glaucoma? (5)
8. a. What are the clinical features of Acute dacryocystitis? (3+2)
b. What can be the complications of acute dacryocystitis, if not treated in time?

SECTION – B (50 MARKS)

Long answer question:

[2X10=20]

1. A 65 years old patient presents with sudden painless loss of vision in one eye since last 3 days. (1+4+1+2+2=10)
 - a. What test you have to perform to know the diagnosis?
 - b. What are the findings that will suggest a diagnosis of Central Retinal Vein Occlusion, in this patient?
 - c. What systemic condition you have to check for, in this patient of Central Retinal Vein Occlusion?
 - d. What further complication can occur due to the Central Retinal Vein Occlusion?
 - e. What treatment can be given to prevent such complication?

2. Describe the features and treatment of Diabetic Retinopathy. (6+4=10)

Write Short notes on:

[6X5=30]

3. A two years old child presents with white colour in the pupillary area. What can be the causes?
 4. When light falls on the eye, there is constriction of the pupil, to control the amount of light falling on the retina. Draw and explain this pupillary reflex pathway.
 5. Difference between papillitis and papilloedema.
 6. Discuss the role of Eye Bank.
 7. Discuss the extraocular muscles with their actions and innervations and role in eye movements.
 8. Describe the stages of Retinopathy of Prematurity.
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