

| Answer Sheet No | |
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| Sig of Invigilator | |

OPHTHALMIC TECHNIQUES HSSC-II

SECTION - A (Marks 20)

| T | ime | all | OW | ed. | 25 | Min | utes |
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Section—A is compulsory and comprises pages 1-2. All parts of this section are to be answered on the question paper itself. It should be completed in the first 25 minutes and handed over to the NOTE: Centre Superintendent. Deleting/overwriting is not allowed. Do not use lead pencil.

| Q. 1 | Circle | the c | orrect option i.e. A / B / C / D. Eac | h part carries | one mark. | | | | |
|------|--------|-------|---|----------------|-------------------------|--|--|--|--|
| | (i) | Wha | What is the daily dose of Vitamin A, for treatment of Xeropthalmia? | | | | | | |
| | | A. | 10,000 lu | B. | 1,00,000 lu | | | | |
| | | C. | 2,00,000 lu | D. | None of these | | | | |
| | (ii) | Meth | Methods of drug delivery to eye are | | | | | | |
| | | A. | Drops | B. | Ointments | | | | |
| | | C. | Local injections | D. | All of these | | | | |
| | (iii) | Wha | What is the commonest cause of sudden loss of vision in one eye? | | | | | | |
| | | A. | Cataract | B. | Glaucoma | | | | |
| | | C. | Retinal detachment | D. | Trauma · | | | | |
| | (iv) | Whic | Which of the following is NOT a viral disease? | | | | | | |
| | | A. | Trachoma | В. | Blepharitis | | | | |
| | | C. | Herpes Simplex | D. | Herpes Zoster | | | | |
| | (v) | Wha | What happens to IOP when pupil dilates? | | | | | | |
| | | A. | Increases | B. | Decreases | | | | |
| | | C. | No change occurs | D. | Glaucoma | | | | |
| | (vi) | Myo | Myopia is corrected by | | | | | | |
| | | A. | Spherical Convex lens | B. | Concave lens | | | | |
| | | C. | Cylindrical lens | D. | None of these | | | | |
| | (vii) | In ca | In case of Ciliary Congestion , the blood vessels fill from | | | | | | |
| | | A. | Limbus to periphery | B. | Periphery to limbus | | | | |
| | | C. | Both A and B | D. | None of these | | | | |
| | (viii) | n in | | | | | | | |
| | | A. | Trachoma | B. | Allergic conjunctivitis | | | | |
| | | C. | Purulent conjunctivitis | D. | All of these | | | | |
| | (ix) | "Tub | "Tubular field of vision" is seen in advanced cases of | | | | | | |
| | | A. | Glaucoma | B. | Cataract | | | | |
| | | C. | Trachoma | D. | Vitamin A deficiency | | | | |
| | (x) | "Cha | "Chalazion" is due to the blockage in duct of | | | | | | |
| | | A. | Glands of Moll | B. | Glands of Zeiss | | | | |
| | | C. | Meibomian glands | D. | Lachrymal glands | | | | |
| | (xi) | Whic | Which of the following drugs is indicated in glaucoma? | | | | | | |
| | | A. | Xylocaine | B. | Mydriacyl | | | | |
| | | C. | Atropine | D. | Pilocarpine | | | | |

DO NOT WRITE ANYTHING HERE

| (xii) | "Pter | ygium" is a condition due to | | | | | | |
|---------|--|----------------------------------|-----------------|-----------------------------|--|--|--|--|
| | A. | Scleritis | B. | Blepharitis | | | | |
| | C. | Conjunctivitis | D. | Degeneration of conjunctiva | | | | |
| (xiii) | Which of the following is the safest and easiest of all when eye injection is the route of | | | | | | | |
| | admi | nistration of drug? | | | | | | |
| | A. | Sub-conjunctival | B. | Sub-scleral | | | | |
| | C. | Intra-vitreal | D. | Retrobulbar | | | | |
| (xiv) | Which of the following moves the eye downwards and clock-wise? | | | | | | | |
| | A. | Lateral Rectus | B. | Medial Rectus | | | | |
| | C. | Superior Oblique | D. | Inferior Oblique | | | | |
| (xv) | Musc | cles inside eye-ball are | | | | | | |
| | A. | Muscles of iris and ciliary body | B. | E.O.M | | | | |
| | C. | Orbicularis and levator | D. | All of these | | | | |
| (xvi) | Which of the following holds the eye-lid in position after eversion? | | | | | | | |
| | A. | Levator muscle | B. | Orbicularis muscle | | | | |
| | C. | Tarsal plate | D. | Conjunctiva | | | | |
| (xvii) | Which of the following is TRUE about the "focusing (diapteric) power"? | | | | | | | |
| | A. | Lens has more | B. | Cornea has more than lens | | | | |
| | C. | Lens+Cornea=Vitreous | D. | None of these fitreous | | | | |
| (xviii) | Which of the following is NOT a pathological condition of anterior chamber? | | | | | | | |
| | A. | Hypopion | B. | Hyphaema | | | | |
| | C. | Glaucoma | D. | Aphakia | | | | |
| (xix) | Forward displacement of eye-ball is called | | | | | | | |
| | A. | Ptosis | B. | Proptosis | | | | |
| | C. | Exopthalmos | D. | Lagopthalmos | | | | |
| (xx) | A small rounded swelling in the upper lid may NOT be | | | | | | | |
| | A. | Leucoma | В. | Chalazion | | | | |
| | C. | Stye | D. | Tumour | | | | |
| For Fy | amin4 | er's use only: | | | | | | |
| . V. L. | Total Marks: | | | | | | | |
| | | | Marks Obtained: | | | | | |

---- 2HA 1446 ----



OPHTHALMIC TECHNIQUES HSSC-II

Time allowed: 2:35 Hours Total Marks Sections B and C: 80

NOTE: Answer any ten parts from Section 'B' and any three questions from Section 'C' on the separately provided answer book. Use supplementary answer sheet i.e. Sheet-B if required. Write your answers neatly and legibly.

SECTION - B (Marks 50)

- Q. 2 Answer any TEN parts. The answer to each part should not exceed 2 to 4 lines. $(10 \times 5 = 50)$
 - (i) What are the effects of Sympathetic and Para-sympathetic Stimulation on lacrimal glands?
 - (ii) Draw and label the Visual Pathway.
 - (iii) What is Tonometry? Also write its methods.
 - (iv) List the commonly used drugs in ophthalmology.
 - (v) Which layers of retina are separated in Retinal Detachment? What is done in its operation?
 - (vi) What are the steps of cataract operation?
 - (vii) Name three main diseases of conjunctiva. What are their main features?
 - (viii) What are the causes of Exopthalmos?
 - (ix) What is Endopthalmos? Give its causes and treatment.
 - (x) Write the post operative care of a patient who had just undergone ECCEeEIOL operation?
 - (xi) What are the different methods of drug delivery to the eye?
 - (xii) How is a small metallic foreign body in eye located and removed?
 - (xiii) Draw and label the diagram of Cx-section of the eye-ball.

SECTION - C (Marks 30)

Note: Attempt any THREE questions. All questions carry equal marks. $(3 \times 10 = 30)$

- Q. 3 What are the properties of light? What do you know about the Visual Spectrum?
- Q. 4 Give four types of Refractive Errors along with their treatment.
- Q. 5 What loss to the structures can occur by a penetrating injury to eye-ball?
- Q. 6 What is the "TRIOD" of glaucoma" signs and symptoms? Discuss the types of glaucoma.
- Q. 7 What is the pre-op preparation of a patient for cataract?