| Answ | er S | sheet | No | |
|--------|-------|--------|------|--|
| Sia. c | of In | vigila | tor. | |

OPHTHALMIC TECHNIQUES HSSC-I

SECTION - A (Marks 20)

| THIOLATE AND HELD | Roll No. | Answer Sheet No. |
|-------------------|---|--|
| | Sig. of Candidate | Sig. of Invigilator |
| | OPHTHALMIC TEC | 12 |
| Fime allower | 1 | A (IWATKS 20) |
| Time allowed | d: 25 Minutes | A D. All A . CALL A Company to the eventuated on the |
| quest | on–A is compulsory and comprises pages tion paper itself. It should be completed | s 1-2. All parts of this section are to be answered on the in the first 25 minutes and handed over to the Centre |

| | Sup | erinten | ident. Deleting/overwriting is not allo | wed. Do | not use lead pencil. | | |
|------|--------|--|---|-------------|------------------------------|--|--|
| | Circle | cle the correct option i.e. A / B / C / D. Each part carries one mark. | | | | | |
| | (i) | What | is NOT true about Pneumococcie? | | | | |
| | | Α. | Rod-shape | B. | In pairs or chains | | |
| | | C. | Encapsulated | D. | Non – motile | | |
| | (ii) | Whic | h of the following are NOT the importar | nt media fo | or growth of bacteria? | | |
| | (8) | A. | Nutrient agar | B. | Blood agar | | |
| | | C. | Antibiotic agar | D. | Chocolate agar | | |
| | (iii) | Wour | nd infections are caused by | | | | |
| | | A. | Coccie and Bascillie | B. | Claustridium Tetanie | | |
| | | C. | Pseudomonas | D. | All of these | | |
| | (iv) | The b | pacterial staining is done by | | | | |
| | | A. | Gram's staining | B. | Zeil Nelson's staining | | |
| | | C. | Both A and B | D. | None of these | | |
| | (v) | Presi | byopia occurs in | | | | |
| | | A. | Childhood | B. | Below 40 years | | |
| | | C. | After 40 years | D. | In females only | | |
| | (vi) | Glaud | coma may be due to | | | | |
| | | A. | Raised intraocular pressure | B. | Decreased pressure | | |
| | | C. | Decreased production of aqous | D. | Deficiency of Vitamin A | | |
| | (vii) | Tarsa | al plate is situated in | | | | |
| | | A. | Eye brows | В. | Eye lids | | |
| | | C. | Lacrimal apparatus | D. | Conjunctiva | | |
| | (viii) | Susp | ensory ligaments extend between lens | | | | |
| | | A. | Iris | В. | Ciliary body | | |
| | | C. | Choroid | D. | Limbus | | |
| | (ix) | Agous humor is secreted by | | | | | |
| | | Α. | Angle of ant, chamber | В. | Ciliary processes | | |
| | | C. | Iris | D. | Lens | | |
| | (x) | Lacrimal gland is present in the | | | | | |
| | | | Fossa for lacrimal gland | В. | Fossa for lacrimal sac | | |
| | | C. | Lower orbital margin | D. | Apex of bony orbit | | |
| (xi) | (xi) | Which of the following is NOT a cause of blindness? | | | | | |
| | | Α. | Retinal detachment | В. | Cataract extraction | | |
| | | C. | Glaucoma | D. | Loss of corneal transparency | | |
| | (xii) | The best method for measuring I.O.P is | | | | | |
| | | Α. | Digital tonometry | B. | Schiotz's Tonometer | | |
| | | | Annieration tonomotry | 1.1 | COLUMN ISCALLIN | | |

DO NOT WRITE ANYTHING HERE

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| | | DO NOT WRITE A | NYTHING | HERE OUT |
| | ~ | | | 14.com |
| (wiii) | May | mum field of vicion is on the | | |
| (xiii) | A. | mum field of vision is on the Temporal side | _· В. | Nasal side |
| | C. | Above | D. | Below |
| | O. | Above | D. | Below |
| (xiv) | Near | vision is recorded at a distance of | 2 | |
| | A. | 35 cm | В. | 25 cm |
| | C. | 2 feet | D. | 1 meter |
| | | | | |
| (xv) | 17211 | oheral field of vision is tested by | —· _D | Control of the state |
| | A. | Bjerrum's screen | B. | Snellen's chart |
| | C. | Lister's perimeter | D. | Indirect opthalmoscopy |
| (xvi) | The | normal trichromatic colour vision consis | sts of | |
| (200) | Α. | Red – Blue – Green | В. | Red – Blue – Yellow |
| | C. | Red - Black - White | D. | Red - Violet - Yellow |
| | | | | |
| (xvii) | The | major cause of blindness is | | |
| | A. | Cataract | B. | Deficiency of Vitamin A |
| | C. | Trauma | D. | Glaucoma |
| Constition. | \ A /h-i-a | h of the following is NOT correct as as | | cention of blindness? |
| (xviii) | | ch of the following is NOT correct as re | | |
| | A. C. | Eye health education Control on eye infections | B. D. | Walking on and looking on green grass |
| | ٥. | Control on eye illections | D. | Walking of and looking of green grass |
| (xix) | Stair | ning of a corneal ulcer can be done by _ | | , |
| | A. | Fluorescine | В. | Iodine |
| | C. | Litmus | D. | Alcohol |
| | | | | |
| (xx) | 100 | scular structure of the eye is | | |
| | Α. | Lens and Cornea | B. | Lens and Iris |
| | C. | Cornea and Retina | D. | Retina and Sclera |
| | | | | |
| For Ex | camin | er's use only: | V- 11 2 | |
| | | atar tana katalangan sa 555 # 557 | Tota | I Marks: 20 |
| | | | Mark | s Obtained: |

Page 2 of 2 (Opth. Tech)

----- 1HA-1146-----

HSSC-I OPHTHALMIC TECHNIQUES

Student Bounty.com Total Marks Sections B and C: 80 NOTE:- Answer any twenty five parts from Section 'B' and any two questions from Section 'C' on the separately provided answer book. Use supplementary answer sheet i.e. Sheet-B if required. Write

SECTION - B (Marks 50)

Attempt any TWENTY FIVE parts. The answer to each part should not exceed 2 to 4 lines. Q. 2

 $(25 \times 2 = 50)$

- Write about nerve supply of all the extra-ocular muscles. (i)
- Which are the structures responsible for focusing of light on the retina? (ii)
- Name the bones taking part in formation of the upper, lower, medial and lateral walls of orbit. (iii)
- Name all the glands forming tears. (iv)

your answers neatly and legibly.

- What is Optic disc? What causes its atropy? (v)
- (vi) What do you know about visual cortex?
- List the common diseases caused by viruses. (vii)
- Define Commensals and Pathogenic micro-organisms. (viii)
- Classify Bacteria. (ix)

Time allowed: 2:35 Hours

- How do the bacteria reproduce? (x)
- How can the spread of eye infection be controlled? (xi)
- What are the general symptoms of an infected eye? (xii)
- What are the precautions in taking I.O.P? (xiii)
- What do you understand by distant and close visual acuity? (xiv)
- How can cataract cause slow and gradual onset of dimness of vision? (XV)
- What will happen to the field of vision in glaucoma? (xvi)
- How can the staining of a corneal ulcer be done? (xvii)
- Is pad and bandage required in corneal laceration? (xviii)
- What is Virology? (xix)
- Give the seven colours of light when it passes from a prism. (xx)
- What can a traumatic shock-wave do to the lens? (xxi)
- Write down the prevention of ophthalmia neonatorum. (xxii)
- What are the uses of Laser in cornea? (xxiii)
- (xxiv) Define Myopia.
- Define Presbyopia? (XXV)
- Draw the diagram of a biconcave lens. In which refractive error is it used? (xxvi)
- What is the treatment of Aphakia? (xxvii)
- (xxviii) Draw a simple diagram of eye showing refractive error after removal of lens.
- Write down the advantages of contact lenses. (xxix)
- How does the cornea get its nutrition? (XXX)
- (xxxi) What is the important structure situated at the meeting site of cornea and iris? What it its importance?

SECTION - C (Marks 30)

Attempt any TWO questions. All questions carry equal marks. Note:

 $(2 \times 15 = 30)$

- Describe the different causes of blindness, in order of their importance. Also discuss how they can be prevented. Q. 3
- Discuss the types of injuries to the eye. What first aid is required in each case. Q. 4
- What are the different methods of sterilization and disinfection? What is the importance of sterilization of eye Q. 5 instruments and equipment?