

[LB 0212]

AUGUST 2012

Sub. Code: 1501

DIPLOMA IN OPTOMETRY TECHNOLOGY

FIRST YEAR

PAPER I – OCULAR ANATOMY & PHYSIOLOGY

Q.P. Code : 841501

Time : Three hours

Maximum : 100 marks

(180 Mins) Answer ALL questions in the same order.

I. Elaborate on:

Pages Time Marks

(Max.)(Max.)(Max.)

- | | | | |
|---|---|----|----|
| 1. Describe the general features, microscopic features and functions of cornea. | 7 | 20 | 10 |
| 2. Define binocular vision and describe the grades of binocular single vision. | 7 | 20 | 10 |
| 3. Describe the extra ocular muscles in detail. Add a note on its action. | 7 | 20 | 10 |

II. Write Notes on:

- | | | | |
|---------------------------------------|---|---|---|
| 1. Blepharospasm. | 4 | 9 | 5 |
| 2. Conjunctiva. | 4 | 9 | 5 |
| 3. Layers of retina. | 4 | 9 | 5 |
| 4. Accommodation reflex. | 4 | 9 | 5 |
| 5. Wald's visual cycle. | 4 | 9 | 5 |
| 6. Development of crystalline lens. | 4 | 9 | 5 |
| 7. Intraocular pressure. | 4 | 9 | 5 |
| 8. Chemical composition of tear film. | 4 | 9 | 5 |
| 9. Angle of anterior chamber. | 4 | 9 | 5 |
| 10. Entoptic phenomena. | 4 | 9 | 5 |

III. Short Answers on:

- | | | | |
|--|---|---|---|
| 1. What is scleral spur? | 1 | 3 | 2 |
| 2. What is macular vision? | 1 | 3 | 2 |
| 3. What is visual acuity? | 1 | 3 | 2 |
| 4. Name the segments of eyeball. | 1 | 3 | 2 |
| 5. What is achromatopsia? | 1 | 3 | 2 |
| 6. What is photopic vision? | 1 | 3 | 2 |
| 7. What is mydriasis? Give examples for sympathomimetic drugs. | 1 | 3 | 2 |
| 8. What is visually evoked potential? | 1 | 3 | 2 |
| 9. What is optic radiation? | 1 | 3 | 2 |
| 10. Name the glands of the eyelids. | 1 | 3 | 2 |
