

[LF 0212]

AUGUST 2014

Sub.Code :1503

DIPLOMA IN OPTOMETRY TECHNOLOGY

FIRST YEAR

PAPER III – PHYSICAL, GEOMETRIC & VISUAL OPTICS

Q.P. Code: 841503

Time: Three hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on:

(3x10=30)

1. Write in detail about Myopia and it's correction.
2. Write about Aphakia and it's correction.
3. Define Retinoscopy. Write about optics and Procedure of Retinoscopy.

II. Write notes on:

(10x5=50)

1. Write about Pseudophakia.
2. Define Aniseikonia. Write about types of Aniseikonia.
3. What is Chromatic Aberration? Write about Duo-chrome test.
4. Expand JCC. Write about JCC procedure.
5. What is light? Write about Interference of light.
6. What is Prism? Write about uses of Prism in Ophthalmology.
7. What is Refraction of light? Write about Laws of Refraction.
8. Expand CTC. Write about CTC Refraction.
9. Define Prosbyopia. Write about types of Presbyopia.
10. Write about different types of "Retinoscope".

III. Short answers on:

(10x2=20)

1. Define Polarization of light.
2. Define Power of Lens.
3. What is Refractive index of Lens?
4. Draw a diagram of "Sturons Conold"
5. Define Hypermetropia.
6. Define Amblyopia
7. Write Prescription:
OD:- - 2.00Ds/- 1.00Dc x 90 6/6
OS:- - 3.00Ds/- 1.00Dc x90 6/6
NU OU:- add + 2.00Ds N6 @ 33cm
8. Define Screening of Eye Camps.
9. What is Scissors Reflex in Retinoscopy?
10. Define Prosbyopia.
