

B.OPTOM
(New Syllabus 2015-2016)

SECOND YEAR

PAPER III – OPTOMETRIC INSTRUMENTS

Q.P. Code: 802713

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Define Binocular Vision. Give its prerequisite, advantages and grades.
2. Classify the different types of visual acuity charts based on the age group.
3. Explain the different types of illumination techniques used in a slit lamp examination.

II. Write notes on:

(8 x 5 = 40)

1. Instrumentation and uses of Pupillometer.
2. Principle and instrumentation of direct Ophthalmoscope.
3. Uses of synoptophore.
4. Anamoloscope.
5. Bjerrum's screen.
6. Telescopes used in low vision aids.
7. Electroretinogram.
8. Ultrasound pachymetry.

III. Short answers on:

(10 x 3 = 30)

1. Give the principle, age group and distance of Cardiff acuity test.
2. List three advantages of a streak over spot retinoscope.
3. State the principle of A-Scan
4. Tabulate difference between direct and indirect Ophthalmoscopy.
5. Principle of Applanation tonometry.
6. Name three non-optical devices of Low vision Aids.
7. Uses of worth four dot test.
8. What is false positive in Humphrey visual field analyser?
9. Three indications of doing a B Scan.
10. Any three applications of Visual Evoked potential test.