

[LN 0818]

AUGUST 2018

Sub. Code: 2704

B. OPTOM
(New Syllabus 2015-2016)

FIRST YEAR

PAPER IV – PRINCIPLES OF LIGHTING

Q.P. Code: 802704

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on:

(3 x 10 = 30)

1. Explain Laws of illumination.
2. Electromagnetic spectrum of light.
3. Concept of lighting design.

II. Write notes on:

(8 x 5 = 40)

1. Relate visual ability and lighting.
2. Write notes on light sources.
3. Explain the seven reasoning of Goethe's theory.
4. What is Depreciation factor?
5. Dual nature theory of light.
6. Types of Glare.
7. Filters used in Ophthalmology.
8. Physical consideration of lighting.

III. Short answers on:

(10 x 3 = 30)

1. Define photometry.
2. Three advantages of Optical fibres.
3. Explain Tertiary colours.
4. What is a light?
5. Define Luminare.
6. What is visual task?
7. Define general lighting.
8. What is Luminous flux?
9. Contrast sensitivity.
10. Define Filters.
