

[LI 0216]

FEBRUARY 2016

Sub.Code :6008

B.Sc. OPTOMETRY

FIRST YEAR

PAPER VI – PRINCIPLES OF LIGHTING

Q.P. Code: 806008

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on:

(3 x 10 = 30)

1. Write in detail the various proposed Colour Theories.
2. Write in detail the illumination in regards to Ophthalmology.
3. Write an essay on Optical Fibre Communication.

II. Write notes on:

(8 x 5 = 40)

1. What are the types of Glare?
2. Explain briefly the Fibre Optics.
3. What are Optical Fibre Cables?
4. Explain Luminous Efficacy.
5. Write in brief the range of Ultraviolet Spectrum.
6. Explain Goethe's Theory.
7. What are the various Sources of Light?
8. Explain Colour Rendering.

III. Short answers on:

(10 x 3 = 30)

1. Define Utilization Factor.
2. Primary Colours.
3. Define Candella.
4. Define Electromagnetic Spectrum.
5. Discomfort Glare.
6. Define Illuminance.
7. What are Fraunhofer Lines?
8. Explain Solar Constant.
9. Contrast Sensitivity.
10. Attributes of Colour.
