

[LH 0815]

AUGUST 2015

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 an essay about Photometers and Filters.
2. Write in detail about Additive and Subtractive synthesis of Colours.
3. Explain in detail about Computer Vision Syndrome.

II. Write notes on:

(8 x 5 = 40)

1. Explain Inverse Square Law.
2. What are the modern Theories of Light?
3. What is Visual Performance?
4. Explain Colour Rendering Index.
5. What is Illumination Law?
6. What is the concept of Lighting Design?
7. Explain in brief the ranges of Electromagnetic Spectrum.
8. What are the factors affecting Visual task performance?

III. Short answers on:

(10 x 3 = 30)

1. Define Lux.
2. What is disability Glare?
3. Define Contrast Sensitivity.
4. What is Solar Constant?
5. What do you mean by Luminous Flux?
6. What is Solid Angle?
7. Classify Light Sources.
8. Write a short note on Primary Colours.
9. Define Photometry.
10. What are the various attributes of Colours?
