PB279

[6270]-67

B.E. (Electrical Engineering) (Insem)
ILLUMINATION ENGINEERING
(2019 Pattern) (Semester - VIII) (Elective - VI) (403151B)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:

1) *Solve Q.1 or Q.2, Q.3 or Q.4.*
2) *Figures to the right Indicate full marks,*
3) *Neat diagrams must be drawn wherever necessary.*
4) *Assume suitable additional data, if necessary.*
5) *Use of non-programmable calculator is allowed.*

Q1) a) Explain optical system of human eye with suitable diagram. **[7]**

b) State & Explain the properties of light with suitable diagram. **[8]**

OR

Q2) a) State the various methods of controlling natural light. Explain. **[7]**

b) Explain the terms. **[8]**

    i) Visual Acuity

    ii) Contrast

Q3) a) With suitable diagram explain construction and working of Mercury vapour Lamp. **[7]**

b) Write a note on LASER. **[8]**

OR

Q4) a) With suitable diagram explain construction and working of CFL. **[7]**

b) Name the types of ballasts. Draw and Explain the circuit for electronic ballast. **[8]**

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