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Assignment 12

The due date for submitting this assignment has passed.

As per our records you have not submitted this assignment. **Due on 2019-04-24, 23:59 IST.**

Note : In Numeric type questions, kindly please enter the numeric value only upto 2 decimal places. Do Not enter units or some other expression as this might evaluate the answer as wrong. eg: if answer is '45.60' then '45.60 degrees' as an answer would be taken as wrong by the computer.

1) The ratio of design sky illumination and the sky luminance at mean angle of elevation of obstruction is called as _____ **2 points**

- Brightness factor
- Inverse Brightness factor
- Sky factor
- Day light factor

No, the answer is incorrect.

Score: 0

Accepted Answers:
Inverse Brightness factor

2) As per Indian design sky model, if the sky brightness at zenith is 2800 cd/m². **2 points**
What is the sky brightness (in Cd/m²) at 60° sky altitude angle?

- 4982.32
- 3233.16
- 4339.74
- 4732.32

No, the answer is incorrect.

Score: 0

Accepted Answers:

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 PDF of
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 Quiz :
Assignment 12

 Solution of
Assignment 12

**Interaction
Session**
 Sky Component = (Inverse Brightness factor / Sky factor)

 Sky Component = (Brightness factor / Sky factor)

No, the answer is incorrect.

Score: 0

Accepted Answers:

Sky factor = (Sky Component X Inverse Brightness factor)

4) The ratio of daylight on work plane to outdoor illumination in open shade is called as _____ **2 points**

 Daylight factor

 Sky factor

 Maintenance factor

 Coefficient of utilization

No, the answer is incorrect.

Score: 0

Accepted Answers:

Daylight factor

5) When the room dimensions are 8m (length)×4m (width)×3m (height). Spacing along both length and width are same. The fitting used with incandescent lamp has a coefficient of utilization (CU) as 0.7 for the given wall, ceiling and floor reflectance and; for the given room index. The lumen out of the lamp is 12 lm/W and 40 W lamps are used. The maintenance factor is 0.7. How many lamps are required to maintain general illumination of 180 Lux, _____

No, the answer is incorrect.

Score: 0

Accepted Answers:

(Type: Range) 24,25

4 points

6) An external obstruction through a window forms a part of a spherical surface with its center at the point of interest on working plane. The obstruction covers 0° to 90° angle in azimuth and 30° to 60° in altitude, what is the sky factor? _____

No, the answer is incorrect.

Score: 0

Accepted Answers:

(Type: Range) 0.38,0.41

4 points

7) An external obstruction through a window forms a part of a spherical surface with its center at the point of interest on working plane. The obstruction covers 0° to 30° angle in azimuth and 30° to 60° in altitude. If the ratio of surface brightness to design sky illumination is 0.4. What is the ERC? _____

No, the answer is incorrect.

Score: 0

Accepted Answers:

(Type: Range) 0.04,0.06

4 points

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