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NPTEL

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Courses » Energy Efficiency, Acoustics and daylighting in Building

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Unit 12 - Fundamentals of Daylighting

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Course outline

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Assignment 11

The due date for submitting this assignment has passed.

As per our records you have not submitted this **Due on 2019-04-17, 23:59 IST.**
assignment.

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 '32.60' then '32.60 Cd' as an answer would be taken as wrong by the computer

1) Point source of light having intensity I is located at a distance r from task plane. If the **2 points** angle of incidence is θ , then the illumination on the task plane is _____

- $I \sin \theta/r^2$
- $I \operatorname{cosec} \theta/r^2$
- $I \sec \theta/r^2$
- $I \cos \theta/r^2$

No, the answer is incorrect.

Score: 0

Accepted Answers:

$I \cos \theta/r^2$

2) Units of Brightness is/are _____

2 points

- Cd/m^2
- asb
- Both Cd/m^2 & asb
- None of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

Both Cd/m^2 & asb

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mod11lec48 mod11lec49 PDF of week-11 lectures Quiz : Assignment 11 Solution of Assignment 11**Daylighting Design****Interaction Session**

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No, the answer is incorrect.**Score: 0****Accepted Answers:***Brightness*4) The reciprocal of size of smallest perceptible detail is called as _____ **2 points**

- Visual Acuity
- Visual Performance
- Contrast Sensitivity
- All the above

**No, the answer is incorrect.****Score: 0****Accepted Answers:***Visual Acuity*5) A 10cm diameter uniformly diffusing globe is housing a 40 Watt lamp of lumen output 2800 lumen. What is the intensity of source (in Candela) _____ **4 points****No, the answer is incorrect.****Score: 0****Accepted Answers:***(Type: Range) 221,224***4 points**6) A 8cm diameter uniformly diffusing globe is housing a 40 Watt lamp of lumen output 3400 lumen. What is the Brightness of source (in Cd/m^2) _____ **4 points****No, the answer is incorrect.****Score: 0****Accepted Answers:***(Type: Range) 53742,55732***4 points**7) Calculate the distance of last row (in meters) not requiring elevation in an auditorium given that height of the source above normal head level in front seat is 2m. Row spacing is 0.9m. Head clearance is 12 cm. **4 points****No, the answer is incorrect.****Score: 0****Accepted Answers:***(Type: Range) 15.5,16.5***4 points**[Previous Page](#)[End](#)

