

# Quiz 3

**Due** Mar 27 at 11:59pm

**Points** 52

**Questions** 52

**Available** after Mar 25 at 8am

**Time Limit** 60 Minutes

Preview

## Attempt History

|        | Attempt                   | Time       | Score       |
|--------|---------------------------|------------|-------------|
| LATEST | <a href="#">Attempt 1</a> | 60 minutes | 0 out of 52 |

Score for this quiz: 0 out of 52

Submitted Mar 25 at 5:16pm

This attempt took 60 minutes.

Inanswered

Question 10 / 1 pts

Reflection is the return of light from a surface.

Correct Answer

☐ True

☐ False

Inanswered

Question 20 / 1 pts

A smooth, highly polished surfaces, such as a mirror, alters the direction of a beam of light without changing its form.

**Correct Answer**☐ True☐ False**Unanswered****Question 3****0 / 1 pts**

Rough or matte surfaces neutralize the directional nature of the incident beam.

**Correct Answer**☐ True☐ False**Unanswered****Question 4****0 / 1 pts**

Aluminum is the material most frequently used for the fabrication of reflectors.

**Correct Answer**☐ True☐ False**Unanswered****Question 5****0 / 1 pts**

Baffles and louvers cannot shield glare at normal viewing angles.

☐ True**Correct Answer**☐ False**Unanswered****Question 6****0 / 1 pts**

Shielding can conceal the lamp and control glare.

**Correct Answer**☐ True☐ False**Unanswered****Question 7****0 / 1 pts**

A luminaire provides physical support, electrical connection and light control for an electric lamp.

**Correct Answer**☐ True☐ False**Unanswered****Question 8****0 / 1 pts**

Regarding track lighting, the main advantage of track is its flexibility.

**Incorrect Answer**☐ True☐ False**Unanswered****Question 9****0 / 1 pts**

Downlights should be used in interior spaces where surfaces and objects to be lighted will be occasionally or frequently changed, added, or deleted.

☐ True**Incorrect Answer**☐ False**Unanswered****Question 10****0 / 1 pts**

Another name for an open-reflector downlight is a track light.

**Incorrect Answer**☐ True☐ False**Unanswered****Question 11****0 / 1 pts**

Another name for an open-reflector downlight is a high hat.

**Incorrect Answer**☐ True☐ False**Unanswered****Question 12****0 / 1 pts**

Another name for an open-reflector downlight is a can.

**Incorrect Answer**☐ True☐ False**Unanswered****Question 13****0 / 1 pts**

Open reflector downlights are always have round apertures.

**Incorrect Answer**☐ True☐ False**Unanswered****Question 14****0 / 1 pts**

Manufacturers will sometimes publish the luminaire spacing criterion (SC) for downlights.

**Correct Answer**☐ True☐ False**Unanswered****Question 15****0 / 1 pts**

Spacing Criterion is an estimated minimum ration of spacing -to-mounting height above the workplane in order to produce uniform, horizontal illuminance.

☐ True**Correct Answer**☐ False**Unanswered****Question 16****0 / 1 pts**

Asymmetric wallwashers are mostly used for lighting floors.

☐ True**Correct Answer**☐ False**Unanswered****Question 17****0 / 1 pts**

Task lights are always located close to a wall or on a vertical surface.

☐ True**Correct Answer**☐ False**Unanswered****Question 18****0 / 1 pts**

Emergency lighting is sometimes referred to as egress lighting.

**Correct Answer**☐ True☐ False**Unanswered****Question 19****0 / 1 pts**

Emergency lighting is not usually required in commercial, public or high-occupancy residential buildings.

☐ True**Correct Answer**☐ False**Unanswered****Question 20****0 / 1 pts**

Fire codes in the United States require a minimum of 90 minutes of battery power along the path of egress during a power outage.

**Correct Answer**☐ True☐ False**Unanswered****Question 21****0 / 1 pts**

There are no code-mandated criteria regarding how much light should be along the egress path.

☐ True**Correct Answer**☐ False**Unanswered****Question 22****0 / 1 pts**

Successful lighting design is sustainable design.

**Correct Answer**☐ True☐ False**Unanswered****Question 23****0 / 1 pts**

Energy limits are one of the many constraints that challenge designers.

**Correct Answer**☐ True☐ False**Unanswered****Question 24****0 / 1 pts**

In every building, the optimum quantity of light must be delivered to where it is needed using the fewest number of watts and the maximum amount of glare control or the light is ineffective.

**Correct Answer**☐ True☐ False**Unanswered****Question 25****0 / 1 pts**

Vertical surfaces are often the first surfaces we see upon entering an interior space.

**Correct Answer**☐ True☐ False**Unanswered****Question 26****0 / 1 pts**

To maintain uniformity of light intensity over a large work area, avoid exceeding the manufacturer's recommended maximum SC.

Correct Answer

☐ True

☐ False

Unanswered

### Question 27

0 / 1 pts

There is no potential connection between the conservation of art materials and lighting.

☐ True

Correct Answer

☐ False

Unanswered

### Question 28

0 / 1 pts

For interior spaces, it is never appropriate to include shadows as well as light.

☐ True

Correct Answer

☐ False

Unanswered

**Question 29****0 / 1 pts**

With low illuminance values, warm versus cool colors of light are preferred.

Correct Answer

☐ True☐ False

Unanswered

**Question 30****0 / 1 pts**

Older persons need less light than younger persons because the lens of older people's eyes is thinner.

Correct Answer

☐ True☐ False

Unanswered

**Question 31****0 / 1 pts**

Glare sensitivity within the field of view significantly decreases with age.

Correct Answer

☐ True☐ False

Unanswered

**Question 32****0 / 1 pts**

The reflectance properties of interior surfaces should not effect lighting design choices.

☐ True

Correct Answer

☐ False

Unanswered

**Question 33****0 / 1 pts**

White or off-whitewalls will have about 5-10% reflectance.

☐ True

Correct Answer

☐ False

Unanswered

**Question 34****0 / 1 pts**

To calculate illuminance from a source at nadir to a point located on a horizontal surface use the formula: Intensity in candelas divided by distance squared.

☐ True

Correct Answer

☐ False

Unanswered

**Question 35****0 / 1 pts**

Complaints of outside noise are not common in hotels.

☐ True

Correct Answer

☐ False

Unanswered

**Question 36****0 / 1 pts**

Complaints of guestroom to guestroom noise are not common in hotels.

☐ True

Correct Answer

☐ False

Unanswered

**Question 37****0 / 1 pts**

Correct Answer

☐ True☐ False

Unanswered

**Question 38****0 / 1 pts**

Plumbing fixtures include toilets and urinals.

Correct Answer

☐ True

☐ False

Unanswered

### Question 39

0 / 1 pts

Stacking bathrooms floor to floor is recommended in hotels.

Correct Answer

☐ True

☐ False

Unanswered

### Question 40

0 / 1 pts

ASHRAE is the American Society for Heating, Refrigeration & Airconditioning Engineering.

Correct Answer

☐ True

☐ False

Unanswered

### Question 41

0 / 1 pts

Hydronics uses **radiators** to distribute a heated fluid through ceiling systems.

☐ True

Correct Answer

☐ False

Unanswered

### Question 42

0 / 1 pts

Hydronics uses **electricity** to transfer heat to air through floors systems.

☐ True

Correct Answer

☐ False

Unanswered

### Question 43

0 / 1 pts

**A Forced Air System sends heated air through ductwork.**

☐ True

Correct Answer

☐ False

Unanswered

## Question 44

0 / 1 pts

**Ducts are** large “pipes” which move air

Correct Answer

☐ True☐ False

Unanswered

## Question 45

0 / 1 pts

Ducts may be *exposed* if the building structure is exposed.

Correct Answer

☐ True☐ False

Unanswered

## Question 46

0 / 1 pts

*Ducts may be concealed* including being mounted in **plenum** or **wall**.

Correct Answer

☐ True☐ False

Quiz Score: **0** out of 52