

## Unit 8 - Week 06 - Physical Work Environment

### Course outline

How does an NPTEL online course work?

#### Week 0

Week 01 - Introduction and Overview of Ergonomics

Week 02- Work Physiology

Week 03 - Physical ergonomics and introduction to Cognitive ergonomics

Week 04- Cognitive Ergonomics

Week 05 - Cognitive Ergonomics (Continued)

Week 06 - Physical Work Environment

Lecture 20

Lecture 21

Lecture 22

Lecture 23

Lecture 24

Quiz : Assignment\_06

Feedback for week 06

Assignment\_06 Solution

Week 07 - Tools, Techniques & Research Methodology

Week 08- Work Study

Week 09- Manual Work System

Week 10- Industrial Accidents and Injuries

Week 11- Job evaluation in organizational ergonomics

Week 12- BioMechanics

Text Transcripts

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## Assignment\_06

The due date for submitting this assignment has passed.  
As per our records you have not submitted this assignment.

**Due on 2020-03-11, 23:59 IST.**

1) Rate at which light energy is emitted in all directions from a light source:

1 point

- Luminous Flux  
 Luminous Intensity  
 Power of Light Source  
 Option 1 & 2  
 Option 1 & 3  
 All of the above

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
Option 1 & 3

2) About how much percentage of the information input to the human brain comes from auditory stimuli?

1 point

- 80%  
 70%  
 15%  
 18%

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
15%

3) "Flashing red light on control panel more likely to alert operator than continuous red light" is an example of:

1 point

- Graphical display  
 Stimulus variation  
 Redundancy  
 None of the above

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
Stimulus variation

4) About how much percentage of the information input to the human brain comes from visual stimuli:

1 point

- 80%  
 40%  
 20%  
 100%

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
80%

5) Which of the following is the most important factor of visibility?

1 point

- Color  
 Brightness contrast  
 Level of illumination  
 All of the above

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
Level of illumination

6) Which of the following is not an engineering control of noise?

1 point

- Design quieter  
 Setting time limit to noise exposure level  
 Use of ear plug  
 None of the above

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
Setting time limit to noise exposure level

7) Which area of the eye is responsible for color perception and clear central vision?

1 point

- Macula  
 Lens  
 Pupil  
 Cornea

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
Macula

8) Which of the following is primary concern of noise?

1 point

- Intensity of noise  
 Duration of exposure  
 Both of the above  
 None of the above

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
Both of the above

9) When angel of incidence is  $\theta$ , illuminance is given by?

1 point

- $E = (I \cdot \cos \theta) / d^2$   
  $E = (I \cdot \sin \theta) / d^2$   
  $E = (d \cdot \cos \theta) / l^2$   
  $E = (l^2 \cdot \cos \theta) / d^2$

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
 $E = (I \cdot \cos \theta) / d^2$

10) Illuminance is inversely proportional to distance.

1 point

- True  
 False

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
False