

Unit 13 - Week 12

Course outline

How to access the portal

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Week 12

- Case Study: Office Chair
- Case Study: Tower Crane Cabin
- Case Study: Car Seat
- Case Study: Computer System
- Case Study: Assembly Line

Quiz : Assignment 12

Solution for Assignment 12

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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 2019-10-23, 23:59 IST.

1) According to Ergonomic Evaluation of Static Working Posture, the maximum back inclination angle should be; **1 point**

- 30°
- 25°
- 40°
- 35°

No, the answer is incorrect.
Score: 0

Accepted Answers:
40°

2) Ergonomic risks can be controlled by; **1 point**

- Engineering controls
- Administrative controls
- Personal equipment
- All of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
All of the above

3) In context of ergonomically designed office chair, the seat slant should be adjustable to; **1 point**

- 0 to 20 degree
- 0 to 10 degree
- 0 to 30 degree
- 0 to 40 degree

No, the answer is incorrect.
Score: 0

Accepted Answers:
0 to 10 degree

4) In context of ergonomics, the design parameter (s) of a car seat is (are); **1 point**

- Support parameter
- Fit parameter
- Feel parameter
- All of these

No, the answer is incorrect.
Score: 0

Accepted Answers:
All of these

5) In assembly line work stations, the system can be designed ergonomically by introducing; **1 point**

- (I) Mounting arms
- (II) Pinch points
- (III) Anti fatigue mats

- I, II and III
- II and III
- I and II
- I and III

No, the answer is incorrect.
Score: 0

Accepted Answers:
I and III

6) _____ is measured from the front edge of the seat to the lumbar support region of the backrest. **1 point**

- Back rest
- Seat depth
- Seat slope
- Head rest

No, the answer is incorrect.
Score: 0

Accepted Answers:
Seat depth

7) The CARPAL TUNNEL is associated with the wrong position of the arms in relation to the desk while typing. **1 point**

- True
- False

No, the answer is incorrect.
Score: 0

Accepted Answers:
True

8) The armrests of an ergonomically designed office chair should be placed at least 18.5" apart and made of soft or padded material. **1 point**

- True
- False

No, the answer is incorrect.
Score: 0

Accepted Answers:
True

9) The monitors should be placed at a distance such that the user can focus on the screen while still using the back of the chair and keep their arms parallel to their upper body. **1 point**

- True
- False

No, the answer is incorrect.
Score: 0

Accepted Answers:
True

10)The feel parameters that must be considered while designing a car seat are; **1 point**

- (I) Pressure
- (II) Shear stress
- (III) Temperature

- I and III
- I and II
- I, II and III
- II and III

No, the answer is incorrect.
Score: 0

Accepted Answers:
I, II and III