

Unit 6 - Week 04- Cognitive Ergonomics

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

Lecture 11

Lecture 12

Lecture 13

Lecture 14

Lecture 15

Quiz : Assignment_04

Feedback for week 04

Assignment_04 Solution

Week 05 - Cognitive Ergonomics (Continued)

Week 06 - Physical Work Environment

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_04

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

Due on 2020-02-26, 23:59 IST.

1) What are the major steps in cognitive task analysis? 1 point

- Use experts, conduct task analysis, interview experts, implement the results
- Use typical users, develop task-based scenarios, observe users, analyze the data
- Use typical users, develop task-based scenarios, select and implement knowledge elicitation methods, implement the results
- Use experts, develop task-based scenarios, select and implement knowledge elicitation method and implement the result

No, the answer is incorrect.
Score: 0

Accepted Answers:

Use experts, develop task-based scenarios, select and implement knowledge elicitation method and implement the result

2) Which of the following is an analytic evaluation for usability? 1 point

- Usability testing
- Structured questionnaire
- Simulation
- Heuristics evaluation

No, the answer is incorrect.
Score: 0

Accepted Answers:

Heuristics evaluation

3) What is the approximate range of normal hearing (in Hz)? 1 point

- 2 - 20000
- 20 - 20000
- 200 - 20000
- 2 - 2000

No, the answer is incorrect.
Score: 0

Accepted Answers:

20 - 20000

4) Which processing deals with the detection of stimuli at first? 1 point

- Top down
- Bottom up
- None of the above
- All of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:

Bottom up

5) Top-down processing - information processing activities of perception that are based on a human's knowledge, experience, and expectations. 1 point

- True
- False

No, the answer is incorrect.
Score: 0

Accepted Answers:

True

6) Which part of cognitive system is not directly connected with perception 1 point

- Response selection
- Long term memory
- Sensory memory
- Attention resources

No, the answer is incorrect.
Score: 0

Accepted Answers:

Response selection

7) In macro ergonomics, what is one of the criteria for selecting an effective work system design method? 1 point

- Human-centered evaluation
- Humanized task approach
- Management control of the workplace
- Effective human performance measures

No, the answer is incorrect.
Score: 0

Accepted Answers:

Humanized task approach

8) What do tactile sensors not sense? 1 point

- Pressure
- Temperature
- Pain
- Taste

No, the answer is incorrect.
Score: 0

Accepted Answers:

Taste

9) What does Human ear do? 1 point

- Transforming mechanical energy/waves into electrical signal
- Transforming electrical signal into mechanical waves
- Both of the above
- None of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:

Transforming mechanical energy/waves into electrical signal

10) Which of the following is not a processing in perception? 1 point

- Top down
- Bottom up
- Left right
- None of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:

Left right