Assignment 04

The due date for submitting this assignment has passed. As per our records you have not submitted this assignment. "Due on 2018-09-12, 23:59 IST."

1) Choose correct option for evaluation of a product

- [ ] Main characteristic of interaction
- [ ] Nature of problem
- [ ] Parameter(s) need to measure in the interaction
- [ ] Above all

**No, the answer is incorrect.**
**Score:** 0
**Accepted Answers:**
- Above all

2) The RULA ergonomic assessment tool considers which requirements of job tasks/demands on the neck, trunk and upper extremities

- [ ] Biomechanical and postural load
- [ ] Temporal and visual
- [ ] Pleasure and fatigue
- [ ] Psychological and temporal

**No, the answer is incorrect.**
**Score:** 0
**Accepted Answers:**
- Biomechanical and postural load

3) Product personality mainly refers to which factor

- [ ] Product exterior appearance
- [ ] Product quality

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*Product Design and Innovation - - Unit 6 - Week 04* https://onlinecourses.nptel.ac.in/noc18_de02/un...
4) REBA score indicates level of MSD risk. A REBA score of 8-10 indicate which level of MSD risk 1 point

- Low risk, change may be needed
- Medium risk, further investigation, soon change
- High risk, investigate and implement change
- Very high risk, implement change

No, the answer is incorrect.
Score: 0
Accepted Answers:
High risk, investigate and implement change

5) The Psycho-physiological methods to assess user experience in user-product interaction is 1 point

- Behaviour analysis
- Behaviour analysis, Electroencephalogram and Eye tracking recording
- Rapid Entire Body Analysis
- Electromyography

No, the answer is incorrect.
Score: 0
Accepted Answers:
Behaviour analysis, Electroencephalogram and Eye tracking recording

6) Working with forced constraints is a technique used while 1 point

- Defining requirements
- Protyping
- Conceptualization
- All of the above

No, the answer is incorrect.
Score: 0
Accepted Answers:
Conceptualization

7) Rethinking the problem means 1 point

- Changing the design brief
- Changing the perspective of problem framing
- Changing the content of problem framing
- None of the above

No, the answer is incorrect.
Score: 0
Accepted Answers:
Changing the perspective of problem framing

8) Vertical Thinking means 1 point

- Thinking about variations of one concept
- Thinking about different concepts
- Thinking about vertical columns
9) Concept evaluation means

- Evaluating the technical feasibility of one concept
- Evaluating the manufacturability of one concept
- Identifying glitches
- Comparing generated concepts- strengths and weaknesses

No, the answer is incorrect.
Score: 0
Accepted Answers:
Thinking about variations of one concept

10) Resource abundance during conceptualization can be

- Productive
- Counterproductive
- Help in changing perspective
- None of the above

No, the answer is incorrect.
Score: 0
Accepted Answers:
Counterproductive

11) While changing perspective about the problem always ask the question

- How?
- What?
- Why?
- None of the above

No, the answer is incorrect.
Score: 0
Accepted Answers:
Why?

12) Which of the following is commonly used for vacuum forming?

- PP (Polypropylene)
- HIPS (High Impact Polystyrene)
- HDPE (High-density polyethylene)
- LDPE (Low-density polyethylene)

No, the answer is incorrect.
Score: 0
Accepted Answers:
HIPS (High Impact Polystyrene)

13) Acrylic can be vacuum formed

No, the answer is incorrect.
Score: 0
Accepted Answers:
Acrylic can be vacuum formed
14. Which hand held power tool is used for forming HIPS or foam board?
   - Power saw
   - Sander
   - Router
   - Hot air gun
   No, the answer is incorrect.
   Accepted Answers: Hot air gun

15. 500 grit sandpaper is fine sandpaper
   - True
   - False
   No, the answer is incorrect.
   Accepted Answers: True

16. SCAMPER is a tool for idea evaluation
   - True
   - False
   No, the answer is incorrect.
   Accepted Answers: False

17. Which of the below mentioned material is not safe material?
   - Aluminum
   - Polyurethane
   - Medium-density fiberboard
   - Wood
   No, the answer is incorrect.
   Accepted Answers: Polyurethane

18. Morphological chart can be used when function and sub functions of a product concept are unknown
   - True
   - False
<table>
<thead>
<tr>
<th>Question</th>
<th>Acceptable Answers</th>
</tr>
</thead>
<tbody>
<tr>
<td>19. What should not be done during brainstorming?</td>
<td>False</td>
</tr>
<tr>
<td>20. Which type of prototype demonstrate the look and feel of the product?</td>
<td>Industrial design prototypes</td>
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