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NPTEL

reviewer1@nptel.iitm.ac.in ▼

Courses » Introduction to Advanced Cognitive Processes

Announcements Course Ask a Question Progress Mentor

## Unit 2 - Testing the pre-requisites

### Course outline

How to access the portal?

Testing the pre-requisites

- Quiz : Assignment 0 (Only for self-assessment, not for grading)

Week 1 : Course Introduction and Knowledge

Week 2: Knowledge, Visual Imagery

Week 3 : Language

Week 4 : Language - II

Week 5: Language | Decision Making

Week 6 : Problem Solving | Creativity

Week 7 : Cognition & Emotion

Week 8: Cognitive Development

### Assignment 0 (Only for self-assessment, not for grading)

The due date for submitting this assignment has passed. **Due on 2018-02-05, 23:59 IST.**

#### Submitted assignment

1) Cognitive science is basically about 1 point

- Representation structures in the mind and its computational procedures
- Applying information processing approach to study mental processes
- Detecting people's behaviour by naïve observation
- Both a and b
- All of the above

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*Both a and b*

2) The approach which says, both biological and environmental factors contribute to our behaviour is known as 1 point

- Psychoanalysis
- Nature-Nurture model
- Behaviour approach
- Gene expression
- Functionalist approach

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*Nature-Nurture model*

3) What techniques are used to study cognitive processes? 1 point

- Computational modelling
- Neuroimaging
- Eye movements
- All of the above
- None of the above

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*All of the above*

4) \_\_\_\_ avoids reference to underlying mental processes while study behaviour 1 point

- Information theory approach
- Behaviourist approach
- Cognitivist approach
- Perception approach
- All of the above

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*Behaviourist approach*

5) Functional Magnetic Resonance Imaging tracks 1 point

- Protein changes in the neuron
- Blood flow changes in the brain – correlated with neuronal activity
- Haemoglobin content
- Oxygen content
- Electric potential variations in the brain

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*Blood flow changes in the brain – correlated with neuronal activity*

6) \_\_\_\_ are the gaps in the cells used for communication between neurons 1 point

- Dendrites
- Axon terminal
- Synapses
- Axon Hillock
- Cell body

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*Synapses*

7) The process of recognizing, interpreting, and organizing sensory information received from the internal/external environment is known as 1 point

- Attention
- Orientation
- Perception
- Execution
- Accommodation

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*Perception*

8) The transformation of one form of energy into another form of energy is called 1 point

- Linearization
- Transduction
- Conduction
- Normalization
- Actualization

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*Transduction*

9) \_\_\_\_\_ is the band of energy within the electromagnetic spectrum that humans can perceive **1 point** and the wavelength is \_\_\_\_\_

- Visible light; 390-700 nm
- Ambient light; 400-500 nm
- UV rays; 200-210 nm
- Microwaves ; 430-730 nm
- Infrared rays ; 370-500 nm

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*Visible light; 390-700 nm*

10)\_\_\_ contains photoreceptors for vision that convert light to neural impulses

**1 point**

- Retina
- Sclera
- Fovea
- Lens
- Vitreous humour

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*Retina*

11)Processing of information based on the existing knowledge (memories and expectations) is **1 point** known as

- Bottom up processing
- Top down processing
- Radial processing
- Neural processing
- Inherent processing

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*Top down processing*

12)Strong recall of items that appear early in the list of words or sequences is known as

**1 point**

- Primacy effect
- Recency effect
- Inhibition effect
- Adaptive effect
- Facilitation effect

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*Primacy effect*

13)The ability to focus on a single stimulus even while other stimuli are occurring simultaneously **1 point**

- Selective attention
- Divided attention
- Multiple attention
- Alternating attention
- All of the above

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*Selective attention*

14) A network of associated facts and concepts that make up our general knowledge of the world **1 point**

- Semantic memory
- Short term memory
- Working memory
- Priming memory
- Long term memory

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*Semantic memory*

15) \_\_\_\_\_ approach says, mind and body are separate **1 point**

- Monism
- Dualism
- Functionalism
- Associationalism
- Theory of mind

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*Dualism*

End

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