

Course outline

How does an NPTEL online course work?

Week 0: Prerequisite

Week 01: History and Research Methods of Cognitive Psychology

- Lec 1 : A Brief History of Cognitive Psychology-01

- Lec 2 : A Brief History of Cognitive Psychology-02

- Lec 3 : Studying Cognition

- Text Notes

- Quiz: Week 1: Assignment 1

- Week 01: Feedback form

Week 02: Object Perception and Recognition

Week 03: Attentional Processes and Cognition

Week 04: Memory Introduction

Week 05: Long Term Memory

Week 06: Memory of General Knowledge

Week 07: Concept Formation

Week 08: Visual and Spatial Memory

Week 09: Human Language Skills

Week 10: Thought Process and Problem Solving

Week 11: Reasoning

Week 12: Decision Making

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Week 1: Assignment 1

The due date for submitting this assignment has passed.

Due on 2022-02-09, 23:59 IST.

Assignment submitted on 2022-02-08, 14:20 IST

- 1) Ancient scholars in which field asked the first questions related to cognitive psychology? 1 point

- behaviorism
- sociology
- biology
- philosophy

Yes, the answer is correct.

Score: 1

Accepted Answers:
philosophy

- 2) Which psychologist extensively tested his own memory to develop theories of cognition? 1 point

- Aristotle
- Wundt
- Ebbinghaus
- Chomsky

Yes, the answer is correct.

Score: 1

Accepted Answers:
Ebbinghaus

- 3) As a graduate student in psychology, you design a study on how lawbreakers who get away with their crimes react to news of others' crimes. Your graduate adviser rejects your study because it is not _____. In other words, it cannot be evaluated through observation 1 point

- negotiable
- testable
- accurate
- parsimonious

Yes, the answer is correct.

Score: 1

Accepted Answers:
testable

- 4) Wilhelm Wundt and his students used a technique known as _____ to study mental states 1 point

- behaviorism
- intensity measurement
- componentialism
- introspection

Yes, the answer is correct.

Score: 1

Accepted Answers:
introspection

- 5) Cognitive psychology is broad, and thus overlaps with many other fields including neuroscience, philosophy, and _____. 1 point

- chemistry
- astronomy
- linguistics
- robotics

Yes, the answer is correct.

Score: 1

Accepted Answers:
linguistics

- 6) If you think of cognitive processing as a type of information processing, then the brain is the _____ and the cognitive processes themselves are the _____. 1 point

- hardware; software
- response; stimulus
- software; hardware
- stimulus; response

Yes, the answer is correct.

Score: 1

Accepted Answers:
hardware; software

- 7) What kind of research methodology focuses on intensive analyses of a single individual? 1 point

- surveys
- case studies
- correlational studies
- naturalistic observations

Yes, the answer is correct.

Score: 1

Accepted Answers:

case studies

8) Which “school” of psychology emphasized objectivity of research methods and measurement?

1 point

- the gestalt school
- functionalism
- structuralism
- behaviorism

Yes, the answer is correct.

Score: 1

Accepted Answers:

behaviorism

9) Using a computer or information processing model would most accurately depict which approach to cognition?

1 point

- embodied cognition
- representationalist
- linguistic
- behaviorist

Yes, the answer is correct.

Score: 1

Accepted Answers:

representationalist

10) Which of the following allows us to support claims about cause-and-effect relationships?

1 point

- experiment
- introspection
- naturalistic observation
- controlled observation

Yes, the answer is correct.

Score: 1

Accepted Answers:

experiment

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How does an NPTEL online course work?

Week 0: Prerequisite

Week 01: History and Research Methods of Cognitive Psychology

Week 02: Object Perception and Recognition

- Lec 1 : Perception:Basic Principles

- Lec 2 : Models of Perception-01

- Lec 3 : Models of Perception-02

- Text Notes

- Quiz: Week 2: Assignment 2

- Week 02:Feedback form

Week 03: Attentional Processes and Cognition

Week 04: Memory Introduction

Week 05: Long Term Memory

Week 06: Memory of General Knowledge

Week 07: Concept Formation

Week 08: Visual and Spatial Memory

Week 09: Human Language Skills

Week 10: Thought Process and Problem Solving

Week 11: Reasoning

Week 12: Decision Making

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Week 2: Assignment 2

The due date for submitting this assignment has passed.

Due on 2022-02-09, 23:59 IST.

Assignment submitted on 2022-02-08, 14:21 IST

- 1) Which scenario is an example of sensing but not perceiving a stimulus? 1 point

- the music playing in the background while you are studying
- the argument you are having with your significant other while cooking dinner
- the music you are singing along to while messaging a friend online
- the painting you are working on while talking to your mother

Yes, the answer is correct.

Score: 1

Accepted Answers:

The music playing in the background while you are studying

- 2) What is the difference between proximal stimuli and distal stimuli? 1 point

- primates perceive distal stimuli, and non-primates perceive proximal stimuli.
- primates perceive proximal stimuli, and non-primates perceive distal stimuli.
- The human brain translates distal stimuli into proximal stimuli
- the human brain translates proximal stimulus into distal stimulus

Yes, the answer is correct.

Score: 1

Accepted Answers:

The human brain translates distal stimuli into proximal stimuli

- 3) Which of these help us estimate objects' size and distance to aid in our perception? 1 point

- neurons
- sensations
- stimuli
- cues

Yes, the answer is correct.

Score: 1

Accepted Answers:

cues

- 4) A stencil provides a good analogy for the theory of: 1 point

- prototype matching
- template matching
- good continuation
- featural analysis

Yes, the answer is correct.

Score: 1

Accepted Answers:

template matching

- 5) Which of these psychological approaches focuses on how humans use principles of organization to understand our surroundings? 1 point

- perception-action
- computational
- gestalt
- top-down

Yes, the answer is correct.

Score: 1

Accepted Answers:

gestalt

- 6) If you were to hold a pen in each hand, with one held five inches from your face and the other at arm's length, the one closer to your face will look **1 point** larger, even though they are the same size. This is based on cues from _____.

- the retinal image
- brain functioning
- top-down processing
- a linear perspective

Yes, the answer is correct.

Score: 1

Accepted Answers:

the retinal image

- 7) _____ are to visual perception what phonemes are to language, according to Biederman 1 point

- receptors
- retinas
- distal stimuli

geons

Yes, the answer is correct.

Score: 1

Accepted Answers:

geons

8) Prototype matching theory argues that percepts are compared to _____ in memory

1 point

- exact stencils
- lists of features
- idealized representations
- abstract dot patterns

Yes, the answer is correct.

Score: 1

Accepted Answers:

idealized representations

9) When making a decision, we are likely to weigh all of the possible choices we could make. This is most similar to the concept of _____ in perception

1 point

- top-down processing
- closure
- proximity
- affordances

Yes, the answer is correct.

Score: 1

Accepted Answers:

affordances

10) According to research, which of these is most important in perceiving apparent motion?

1 point

- nearness
- similarity
- color
- stability

No, the answer is incorrect.

Score: 0

Accepted Answers:

similarity

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How does an NPTEL online course work?

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Week 01: History and Research Methods of Cognitive Psychology

Week 02: Object Perception and Recognition

Week 03: Attentional Processes and Cognition

- Lec 1 : Basic Attention Processes

- Lec 2 : Models of Attention

- Lec 3 : Automization and Attention

- Text Notes

- Quiz: Week 3: Assignment 3

- Week 3: Feedback form

Week 04: Memory Introduction

Week 05: Long Term Memory

Week 06: Memory of General Knowledge

Week 07: Concept Formation

Week 08: Visual and Spatial Memory

Week 09: Human Language Skills

Week 10: Thought Process and Problem Solving

Week 11: Reasoning

Week 12: Decision Making

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Week 3: Assignment 3

The due date for submitting this assignment has passed.

Due on 2022-02-16, 23:59 IST.

Assignment submitted on 2022-02-16, 14:11 IST

- 1) Which of the following is an analogy used to describe attention? 1 point

- a filter of information
- a key fitting into a lock
- a light that turns on and off repeatedly
- a barrier that separates the features of the environment

Yes, the answer is correct.

Score: 1

Accepted Answers:
a filter of information

- 2) Talking to your friend during class while you are supposed to be listening to your professor's lecture is most similar to _____. 1 point

- salience
- a shadowing task
- the cocktail party effect
- the dual-task method

Yes, the answer is correct.

Score: 1

Accepted Answers:
a shadowing task

- 3) Treisman's modified filter model of attention suggests that some information passes through, but only after it has been ranked in terms of **1 point** _____. 1 point

- importance
- definition
- difficulty
- currency

Yes, the answer is correct.

Score: 1

Accepted Answers:
importance

- 4) Stroop interference lessens when 1 point

- participants are better readers
- participants are given more practice at naming colors
- participants are girls rather than boys
- participants are encouraged to focus carefully

Yes, the answer is correct.

Score: 1

Accepted Answers:
participants are given more practice at naming colors

- 5) Our attention has been said to involve a _____ that filters out everything except the information we are attending to 1 point

- bottleneck
- net
- switchboard
- bridge

Yes, the answer is correct.

Score: 1

Accepted Answers:
bottleneck

- 6) Which of these is known to influence the cocktail party effect? 1 point

- a person's level of extroversion or introversion
- the salience of the message
- a person's intelligence
- cultural differences in filtering abilities

Yes, the answer is correct.

Score: 1

Accepted Answers:
the salience of the message

- 7) Noticing a red flower among a field of purple flowers illustrates _____. 1 point

- the attention capture phenomenon
- the cocktail party effect
- the bottleneck of attention
- a shadowing task

Yes, the answer is correct.

Score: 1

Accepted Answers:

the attention capture phenomenon

- 8) Certain stimuli seem to jump off the page at the viewer, causing an involuntary shift of attention that is referred to as

1 point

- the Stroop effect
- attentional capture
- attenuation
- the cocktail party effect

Yes, the answer is correct.

Score: 1

Accepted Answers:

attentional capture

- 9) In Kahneman's model of attention, allocation of mental resources is affected by preferences for certain kinds of tasks over others. These preferences are known as

1 point

- enduring dispositions
- arousal states
- momentary intentions
- task difficulty variables

Yes, the answer is correct.

Score: 1

Accepted Answers:

enduring dispositions

- 10) Which of the following is an example of a controlled process, for most people?

1 point

- driving
- reading
- playing a well-practiced video game
- sending a telegraph message

Yes, the answer is correct.

Score: 1

Accepted Answers:

sending a telegraph message

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Week 01: History and Research Methods of Cognitive Psychology

Week 02: Object Perception and Recognition

Week 03: Attentional Processes and Cognition

Week 04: Memory Introduction

- Lec 1 : Memory Introduction

- Lec 2 : Short Term Memory

- Lec 3 : Working Memory

- Text Notes

- Quiz: Week 4: Assignment 4

- Week 4: Feedback form

Week 05: Long Term Memory

Week 06: Memory of General Knowledge

Week 07: Concept Formation

Week 08: Visual and Spatial Memory

Week 09: Human Language Skills

Week 10: Thought Process and Problem Solving

Week 11: Reasoning

Week 12: Decision Making

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Week 4: Assignment 4

The due date for submitting this assignment has passed.

Due on 2022-02-23, 23:59 IST.

Assignment submitted on 2022-02-23, 12:31 IST

- 1) Imagine that you are sitting in class, listening to your professor lecture, and viewing slides on the projector that she is flipping through. This translation is an example of _____. **1 point**

-
- encoding
-
-

Yes, the answer is correct.

Score: 1

Accepted Answers:
encoding

- 2) The briefest form of memory is _____ memory **1 point**

- sensory
-
-
-

Yes, the answer is correct.

Score: 1

Accepted Answers:
sensory

- 3) The capacity of short-term memory is _____. **1 point**

-
- seven plus or minus two bits of information
-
-

Yes, the answer is correct.

Score: 1

Accepted Answers:
seven plus or minus two bits of information

- 4) The suffix effect relates to which type of memory? **1 point**

-
- echoic
-
-

Yes, the answer is correct.

Score: 1

Accepted Answers:
echoic

- 5) You are participating in a study in which you are presented with an array of letters. However, you are asked to report only the top line of five rows (much like an eye exam). This process best illustrates a _____ method. **1 point**

-
-
-
- partial-report

Yes, the answer is correct.

Score: 1

Accepted Answers:
partial-report

- 6) The fact that the size of the memory set does affect search time in short-term memory suggests that: **1 point**

- search is a serial process
-
-
-

Yes, the answer is correct.

Score: 1

Accepted Answers:
search is a serial process

- 7) You recently bought a new phone and had to change your number. However, your old phone number keeps interfering with your ability to remember your new one. This is an example of _____. **1 point**

-
- proactive interference
-
-

Yes, the answer is correct.

Score: 1

Accepted Answers:

proactive interference

8) Higher working memory capacity means that an individual

1 point

- is more susceptible to interference
- has quicker reaction times in identifying target letters
- is better able to control his/her cognitive focus
- has lower ability to reason from premises

Yes, the answer is correct.

Score: 1

Accepted Answers:

is better able to control his/her cognitive focus

9) In the absence of rehearsal, short-term memory tends to

1 point

- last about 20 seconds
- last about 8 seconds
- decay slowly over 24 hours
- decay slowly over a week.

Yes, the answer is correct.

Score: 1

Accepted Answers:

last about 20 seconds

10) Repeating a phone number to yourself to hold it in memory while you dial it would use which component of working memory?

1 point

- the visuospatial sketchpad
- the phonological loop
- the episodic buffer
- both the visuospatial sketchpad and the phonological loop

No, the answer is incorrect.

Score: 0

Accepted Answers:

both the visuospatial sketchpad and the phonological loop

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Week 0: Prerequisite

Week 01: History and Research Methods of Cognitive Psychology

Week 02: Object Perception and Recognition

Week 03: Attentional Processes and Cognition

Week 04: Memory Introduction

Week 05: Long Term Memory

Lec 1 : Long-Term Memory Encoding

Lec 2 : Retrieval from Long-Term Memory

Text Notes

Quiz: Week 5: Assignment 5

Week 5: Feedback form

Week 06: Memory of General Knowledge

Week 07: Concept Formation

Week 08: Visual and Spatial Memory

Week 09: Human Language Skills

Week 10: Thought Process and Problem Solving

Week 11: Reasoning

Week 12: Decision Making

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Week 5: Assignment 5

The due date for submitting this assignment has passed.

Due on 2022-03-02, 23:59 IST.

Assignment submitted on 2022-03-01, 20:15 IST

- 1) Suppose you want to become a memory champion. You could achieve your goal by working hard to _____.

1 point

- develop a photographic memory
- develop superior autobiographical memory
- use mnemonics
- use prospective memory tasks

Yes, the answer is correct.

Score: 1

Accepted Answers:

use mnemonics

- 2) "A natural process that occurs when information is unable to be retrieved from memory" is the definition of **1 point** _____.

1 point

- cognition
- remembering
- forgetting
- storage

Yes, the answer is correct.

Score: 1

Accepted Answers:

forgetting

- 3) While studying for a psychology exam, you devise a poem about Piaget's stages of development to help **1 point** you remember them. This is an example of _____.

1 point

- shallow processing
- deep processing
- spacing effects
- storage

Yes, the answer is correct.

Score: 1

Accepted Answers:

deep processing

- 4) Both encoding and retrieval together influence memory performance in _____.

1 point

- depth-of-processing effects
- environmental-dependent effects
- mood-dependent effects
- transfer-appropriate processing

Yes, the answer is correct.

Score: 1

Accepted Answers:

transfer-appropriate processing

- 5) Study is to _____ as tests are to _____.

1 point

- retrieval; encoding
- encoding; retrieval
- mnemonics; processing
- processing; mnemonics

Yes, the answer is correct.

Score: 1

Accepted Answers:

encoding; retrieval

- 6) You are designing a study that asks subjects, "Which of these psychological concepts have you heard of?" and then presents a list of concepts. Which type of retrieval task is this?

1 point

- recall
- recognition
- implicit
- prospective

Yes, the answer is correct.

Score: 1

Accepted Answers:

recognition

- 7) You meant to visit the campus bookstore before it closed, but you do not remember that you wanted to do **1 point** that until two hours after closing time. This scenario is a failure of which type of memory?

- prospective
- implicit
- explicit
- serial position

Yes, the answer is correct.

Score: 1

Accepted Answers:

prospective

- 8) After you have memorized a list of words, you are most likely to demonstrate _____ if you are tested on **1 point** the list immediately

- fading of memory
- the primacy effect
- the recency effect
- strongest recall for the middle of the list

Yes, the answer is correct.

Score: 1

Accepted Answers:

the recency effect

- 9) Context effects and state-dependent learning effects occur:

1 point

- for recall tests only
- for recognition tests only
- for both recall and recognition
- for paired-associate tests only

Yes, the answer is correct.

Score: 1

Accepted Answers:

for recall tests only

- 10) According to the retrieval cue explanation of interference, you are more likely to forget where you parked **1 point** your car in a lot where:

- you have never parked before
- you have always parked in the same place
- you have parked frequently, but in many different spaces
- you parked a year ago, but not more recently

Yes, the answer is correct.

Score: 1

Accepted Answers:

you have parked frequently, but in many different spaces

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How does an NPTEL online course work?

Week 0: Prerequisite

Week 01: History and Research Methods of Cognitive Psychology

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Week 03: Attentional Processes and Cognition

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Week 06: Memory of General Knowledge

Lec 1 : Semantic Memory Basics

Lec 2 : Models of Semantic Memory

Text Notes

Quiz: Week 6: Assignment 6

Week 6: Feedback form

Week 07: Concept Formation

Week 08: Visual and Spatial Memory

Week 09: Human Language Skills

Week 10: Thought Process and Problem Solving

Week 11: Reasoning

Week 12: Decision Making

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Week 6: Assignment 6

The due date for submitting this assignment has passed.

Due on 2022-03-09, 23:59 IST.

Assignment submitted on 2022-03-09, 23:57 IST

- 1) Properties and facts are stored at the highest level possible, according to the principle of: 1 point

- encoding specificity
- connectionism
- cognitive economy
- typicality

Yes, the answer is correct.

Score: 1

Accepted Answers:

cognitive economy

- 2) The word superiority effect is related to the idea of 1 point

- cognitive economy
- schemata
- typicality
- spreading activation

Yes, the answer is correct.

Score: 1

Accepted Answers:

spreading activation

- 3) Studies of semantic memory have shown that in a lexical decision task, people are faster at responding to 1 point the stimulus "bread" if it is paired with a stimulus such as:

- rencle
- dog
- island
- butter

Yes, the answer is correct.

Score: 1

Accepted Answers:

butter

- 4) According to Anderson, procedural memory represents information as 1 point

- words
- pictures
- production rules
- words and pictures

Yes, the answer is correct.

Score: 1

Accepted Answers:

production rules

- 5) According to the notion of cognitive economy, a characteristic like "has wings" would be stored along with 1 point which of the following semantic memory nodes?

- bird
- robin
- hummingbird
- ostrich

Yes, the answer is correct.

Score: 1

Accepted Answers:

bird

- 6) Collins and Loftus created a revised semantic network model to 1 point.

- violate the transitive inheritance of properties
- give each connection between concepts the same weight
- try to account for typicality effects
- show that people do not use hierarchies when organizing concepts

Yes, the answer is correct.

Score: 1

Accepted Answers:

try to account for typicality effects

- 7) Which type of organizational approach was proposed by Collins and Quillian and includes "has," "is," and 1 point "can" links?

- super-specialized
- generalization

verbal

resourceful

cognitive

Yes, the answer is correct.

Score: 1

Accepted Answers:

cognitive

- 8) In picturing a scientist, you may automatically think of a person with a white lab coat, disheveled hair, and **1 point** glasses. This is an example of a(n) _____.

exemplar

prototype

stereotype

definition

Yes, the answer is correct.

Score: 1

Accepted Answers:

stereotype

- 9) Collins and Quillian's hierarchical network model would predict that which of the following statements **1 point** would take the LONGEST time to verify?

Boo is a Pomeranian

Boo has a popular Facebook page

Boo is a living thing

Boo is a dog

Yes, the answer is correct.

Score: 1

Accepted Answers:

Boo is a living thing

- 10) Priming in lexical decision tasks may be explained by the idea of: **1 point**

episodic memory

encoding specificity

spreading activation

anterograde amnesia

Yes, the answer is correct.

Score: 1

Accepted Answers:

spreading activation

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Week 04: Memory Introduction

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Week 07: Concept Formation

Lec 1 : Introducing Concepts and Categories-01

Lec 2 : Introducing Concepts and Categories-02

Text Notes

Quiz: Week 7: Assignment 7

Week 7: Feedback form

Week 08: Visual and Spatial Memory

Week 09: Human Language Skills

Week 10: Thought Process and Problem Solving

Week 11: Reasoning

Week 12: Decision Making

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Week 7: Assignment 7

The due date for submitting this assignment has passed.

Due on 2022-03-16, 23:59 IST.

Assignment submitted on 2022-03-16, 12:38 IST

- 1) "Characteristic features" and "family resemblance" are important aspects of the _____ view of concepts 1 point

- classical
- prototype
- exemplar
- schema

Yes, the answer is correct.

Score: 1

Accepted Answers:

prototype

- 2) A mental representation of a category of things in the world is known as a(n) _____. 1 point

- stereotype
- prototype
- example
- concept

Yes, the answer is correct.

Score: 1

Accepted Answers:

concept

- 3) If an object is _____ typical of a concept, then people will recall _____ members of that concept 1 point

- less; more
- more; fewer
- less; fewer
- approximately; no

Yes, the answer is correct.

Score: 1

Accepted Answers:

less; fewer

- 4) Imagine seeing a hairless cat for the first time. You try to rationalize whether this is in fact a cat, and you reason, "It has four legs, two pointy ears, a pointy nose, and claws; it is probably a cat." This exemplifies the _____. 1 point

- stored network view
- feature comparisons approach
- cognitive economy
- neuroscience-inspired approach

Yes, the answer is correct.

Score: 1

Accepted Answers:

feature comparisons approach

- 5) Which of the following is true regarding schemata? 1 point

- A schema refers to something smaller and more specific than a concept
- Schemata are passive rather than active
- A schema contains only fixed parts, never variables
- Schemata can indicate relationships among various pieces of information

Yes, the answer is correct.

Score: 1

Accepted Answers:

Schemata can indicate relationships among various pieces of information

- 6) In psychology, "family resemblance" means that people, objects, or concepts in a category _____. 1 point

- share overlapping sets of features
- share a single set of defining features
- may seem identical but differ in important ways
- may seem identical but differ in subtle ways

Yes, the answer is correct.

Score: 1

Accepted Answers:

share overlapping sets of features

- 7) The prototype of a category is a(n) _____ of the important features of its members. 1 point

- discussion
- detailed list

- weighted average
 exemplar

Yes, the answer is correct.
Score: 1

Accepted Answers:

weighted average

8) Implicit learning is also known as:

1 point

- analytic concept formation
 nonanalytic concept formation
 knowledge-based concept formation
 nominal-kind learning

Yes, the answer is correct.
Score: 1

Accepted Answers:

nonanalytic concept formation

9) The schema view of concept formation assumes that:

1 point

- there are clear boundaries among individual schemata
 there is cognitive economy among concepts
 information is abstracted across instances
 no information is stored about actual instances

Yes, the answer is correct.
Score: 1

Accepted Answers:

information is abstracted across instances

10) You might have a "script" for

1 point

- what a classroom looks like
 what a "pet" is
 what a "cat" is
 what happens when you go to the barber/hairstylist

Yes, the answer is correct.
Score: 1

Accepted Answers:

what happens when you go to the barber/hairstylist

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Week 02: Object Perception and Recognition

Week 03: Attentional Processes and Cognition

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Week 06: Memory of General Knowledge

Week 07: Concept Formation

Week 08: Visual and Spatial Memory

Lec 1 : Basics of Visual Memory

Lec 2 : Object Transformation in Visual Memory

Text Notes

Quiz: Week 8: Assignment 8

Week 08: Feedback form

Week 09: Human Language Skills

Week 10: Thought Process and Problem Solving

Week 11: Reasoning

Week 12: Decision Making

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Week 8: Assignment 8

The due date for submitting this assignment has passed.

Due on 2022-03-23, 23:59 IST.

Assignment submitted on 2022-03-23, 21:41 IST

1) Paivio's _____ hypothesis argues that long-term memory contains two separate systems that represent information in verbal and visual forms, respectively 1 point

- picture-word
- dual code
- visuo-verbal
- symbolic distance

Yes, the answer is correct.

Score: 1

Accepted Answers:

dual code

2) Several mnemonic devices, including the method of loci, the pegword method, and the method of interacting images, have in common their reliance on: 1 point

- verbal rehearsal
- creating a story
- visual imagery
- use of rhyme

Yes, the answer is correct.

Score: 1

Accepted Answers:

visual imagery

3) The relational-organizational hypothesis is supported by: 1 point

- the effectiveness of the method of loci
- the fact that concrete words are recalled better than abstract words
- the fact that noninteractive images do not facilitate recall whereas interactive images do facilitate recall
- the effectiveness of the pegword method

Yes, the answer is correct.

Score: 1

Accepted Answers:

the fact that noninteractive images do not facilitate recall whereas interactive images do facilitate recall

4) Finke theorized that there are _____ principles of mental imagery 1 point

- two
- three
- four
- five

Yes, the answer is correct.

Score: 1

Accepted Answers:

five

5) Images can prime the visual pathway, making it easier to detect a faint stimulus. This is an example of: 1 point

- perceptual equivalence
- spatial equivalence
- structural equivalence
- transformational equivalence

Yes, the answer is correct.

Score: 1

Accepted Answers:

perceptual equivalence

6) Some theorists believe that there is a single code for all types of information; this code is known as a _____ representation 1 point

- visual
- pictorial
- verbal
- propositional

Yes, the answer is correct.

Score: 1

Accepted Answers:

propositional

7) How would you create an accurate, detailed mental picture of a place you had never been? 1 point

- Read about the place and look at pictures of it
- Invent sounds and sensations that might happen there
- Create a mental picture of a similar familiar place and alter details
- It is not possible to do this

Yes, the answer is correct.

Score: 1

Accepted Answers:

Read about the place and look at pictures of it

8) Images are most often _____.

1 point

- visual
- auditory
- olfactory
- tactile

Yes, the answer is correct.

Score: 1

Accepted Answers:

visual

9) Objects are usually easier to remember because they are _____, whereas concepts tend to be harder to remember because they are _____.

1 point

- auditory; visual
- visual; auditory
- abstract; concrete
- concrete; abstract

Yes, the answer is correct.

Score: 1

Accepted Answers:

concrete; abstract

10) In the _____, words that rhyme with numbers are placeholders in an ordered list

1 point

- pegword mnemonic
- method of loci
- concreteness effect
- bizarre ness effect

Yes, the answer is correct.

Score: 1

Accepted Answers:

pegword mnemonic

Course outline

How does an NPTEL online course work?

Week 0: Prerequisite

Week 01: History and Research Methods of Cognitive Psychology

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Week 05: Long Term Memory

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Lec 1 : Basic Issues in Language

Lec 2 : Comprehension and Understanding of Language

Text Notes

Quiz: Week 9: Assignment 9

Week 09: Feedback form

Week 10: Thought Process and Problem Solving

Week 11: Reasoning

Week 12: Decision Making

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Week 9: Assignment 9

The due date for submitting this assignment has passed.

Due on 2022-03-30, 23:59 IST.

Assignment submitted on 2022-03-30, 15:18 IST

- 1) According to most experts in the field, what is the primary purpose of language? 1 point

- control
- communication
- identification
- isolation

Yes, the answer is correct.

Score: 1

Accepted Answers:

communication

- 2) Meaning is to _____ as grammar is to _____ 1 point

- semantics; pragmatics
- phonology; syntax
- syntax; semantics
- semantics; syntax

Yes, the answer is correct.

Score: 1

Accepted Answers:

semantics; syntax

- 3) The sentence "The man gave a cloud to his friend" has questionable _____ 1 point

- syntax
- morphemes
- semantics
- orthography

Yes, the answer is correct.

Score: 1

Accepted Answers:

semantics

- 4) The subfield of linguistics that examines the use of language within particular contexts is called _____. 1 point

- semantics
- syntax
- orthography
- pragmatics

Yes, the answer is correct.

Score: 1

Accepted Answers:

pragmatics

- 5) Preposing (moving a certain part of a sentence to the beginning of the sentence) is syntactically "legal" when: 1 point

- the moved segment begins with a noun
- the moved segment contains a subject and a predicate
- the moved segment begins with a verb
- the moved segment constitutes a complete constituent of a certain type

Yes, the answer is correct.

Score: 1

Accepted Answers:

the moved segment constitutes a complete constituent of a certain type

- 6) Choose the correct hierarchy of language processing 1 point

- sounds or letters > words > phrases > sentences
- words > sounds or letters > phrases > sentences
- sentences > phrases > sounds or letters > words
- phrases > sentences > words > sounds or letters

Yes, the answer is correct.

Score: 1

Accepted Answers:

sounds or letters > words > phrases > sentences

- 7) You hear your classmate say, "I'm just going to hang around until class starts." Which aspect of language 1 point structure helps you understand that your classmate means "waiting" and not actually hanging from a doorway?

- pragmatics
- syntax

Syntax

- morphology
 semantics

Yes, the answer is correct.
Score: 1

Accepted Answers:
pragmatics

- 8) When you are having a conversation with someone, you often do not stop between words to emphasize **1 point** that you are saying distinct words. This is known as

- specialization
 coarticulation
 functionalism
 lateralization

Yes, the answer is correct.
Score: 1

Accepted Answers:
coarticulation

- 9) "I saw a bat in the corner." Does bat refer to a baseball bat, or a flying mammal? This confusion **1 point** illustrates a problem of:

- ambiguity
 anomaly
 synonymy
 self-contradiction

Yes, the answer is correct.
Score: 1

Accepted Answers:
ambiguity

- 10) You are reading the sentence "Flywheels are one of the oldest mechanical devices known to man." On **1 point** which of the following words are you likely to spend the LEAST time fixating?

- Flywheels
 oldest
 devices
 to

Yes, the answer is correct.
Score: 1

Accepted Answers:
to

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Week 09: Human Language Skills

Week 10: Thought Process and Problem Solving

Lec 1 : Introduction to Problem Solving

Lec 2 : Factors Influencing Problem Solving

Lec 3 : Insight and Creativity

Text Notes

Quiz: Week 10: Assignment 10

Week 10: Feedback form

Week 11: Reasoning

Week 12: Decision Making

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Week 10: Assignment 10

The due date for submitting this assignment has passed.

Due on 2022-04-06, 23:59 IST.

Assignment submitted on 2022-04-06, 23:45 IST

- 1) A problem is _____.

1 point

- when you do not have experience with a situation
- when a situation is not as you expected it to be
- a situation in which another person disagrees with your position
- a situation in which there is a difference between a current state and a desired goal state

Yes, the answer is correct.

Score: 1

Accepted Answers:

a situation in which there is a difference between a current state and a desired goal state

- 2) _____ is a common barrier to our ability to solve problems

1 point

- typicality
- functional fixedness
- analogical transfer
- means-end strategy

Yes, the answer is correct.

Score: 1

Accepted Answers:

functional fixedness

- 3) The problem-solving technique of _____ involves comparing the goal with the starting point, thinking of _____ possible ways to overcome the distance between them, and choosing the best one

1 point

- generate-and-test
- means-end analysis
- reasoning by analogy
- mental set

Yes, the answer is correct.

Score: 1

Accepted Answers:

means-end analysis

- 4) In research on mental search of a "problem space," a "path" is:

1 point

- any connection between two nodes
- a sequence of moves beginning at the initial state and ending at the final goal state
- the single solution to a problem
- the most efficient solution to a problem

Yes, the answer is correct.

Score: 1

Accepted Answers:

a sequence of moves beginning at the initial state and ending at the final goal state

- 5) A Sudoku puzzle is an example of a(n) _____.

1 point

- ill-defined problem
- well-defined problem
- trial-and-error problem
- functional fixedness problem

Yes, the answer is correct.

Score: 1

Accepted Answers:

well-defined problem

- 6) Defining and representing a problem is the process of _____.

1 point

- making a list of the problems you have already experienced and applying it to the current problem
- redefining the knowledge needed to solve the problem while resolving issues with functional fixedness
- focusing on whether the problem is ill-defined or well-defined and if it is subject to functional fixedness
- stating the scope and goal of the problem and organizing the knowledge needed for addressing it

Yes, the answer is correct.

Score: 1

Accepted Answers:

stating the scope and goal of the problem and organizing the knowledge needed for addressing it

- 7) Think of 10 animal names that begin with the letter R. This problem would probably be solved using a _____ technique

1 point

- means-end analysis
- reasoning-by-analogy
- gestalt restructuring

gestalt restructuring
 productive-thinking

No, the answer is incorrect.
Score: 0

Accepted Answers:
productive-thinking

8) Mental set:

1 point

- can only be induced by large amounts of practice
- can lead us to make unwarranted assumptions about a problem
- involves the use of analogy to solve a problem
- aids problem solving because it supplies an efficient problem representation

Yes, the answer is correct.
Score: 1

Accepted Answers:
can lead us to make unwarranted assumptions about a problem

9) Trial-and-error approaches are successful when there are _____.
1 point

- many variations on a few basic solutions
- several risky and improbable solutions
- relatively few possible solutions
- many conflicting solutions

Yes, the answer is correct.
Score: 1

Accepted Answers:
relatively few possible solutions

10) While baking a cake, you say the steps out loud as you are carrying them out. This is an example of _____.
1 point

- pathology
- functional fixedness
- retrospection
- introspection

Yes, the answer is correct.
Score: 1

Accepted Answers:
introspection

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Week 11: Reasoning

Lec 1 : Reasoning - 01

Lec 2 : Reasoning - 02

Text Notes

Quiz: Week 11: Assignment 11

Week 11: Feedback form

Week 12: Decision Making

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Week 11: Assignment 11

The due date for submitting this assignment has passed.

Due on 2022-04-13, 23:59 IST.

Assignment submitted on 2022-04-13, 21:42 IST

- 1) Which type of reasoning results in conclusions that contain new information? 1 point

- inductive reasoning
- deductive reasoning
- invalid reasoning
- both inductive and deductive reasoning

Yes, the answer is correct.

Score: 1

Accepted Answers:
inductive reasoning

- 2) "All dogs are mammals. All mammals have hair. All dogs have hair." This is an example of _____ 1 point

- heuristic reasoning
- conducive reasoning
- conditional reasoning
- syllogistic reasoning

Yes, the answer is correct.

Score: 1

Accepted Answers:
syllogistic reasoning

- 3) When Wason's four-card task is replaced with an everyday problem about checking the identification of people who are drinking Coke and beer, 1 point

- people still neglect modus tollens in their responses
- people turn over all four cards instead of the two that are necessary and sufficient
- people turn over only one card instead of the two that are necessary and sufficient
- about 75% of participants solve the problem correctly

Yes, the answer is correct.

Score: 1

Accepted Answers:
about 75% of participants solve the problem correctly

- 4) Past events seem "inevitable" due to the action of the: 1 point

- framing effect
- hindsight bias
- gambler's fallacy
- availability heuristic

Yes, the answer is correct.

Score: 1

Accepted Answers:
hindsight bias

- 5) _____ reasoning is a process by which "if" statements lead to conclusions 1 point

- Deductive
- Conditional
- Inductive
- Syllogistic

Yes, the answer is correct.

Score: 1

Accepted Answers:
Conditional

- 6) _____ statements are those that are either true or false 1 point

- syllogistic
- relevant
- propositional
- conditional

Yes, the answer is correct.

Score: 1

Accepted Answers:
propositional

- 7) "If my mother visits today, I am not going to cook dinner. She has just arrived. I am not going to cook dinner." This is an example of _____ 1 point

- propositional reasoning
- a syllogism
- - - - -

- counterfactual thinking
- an unconditional statement

Yes, the answer is correct.

Score: 1

Accepted Answers:

propositional reasoning

8) _____ is about absolute truth, while _____ examines the likelihood of a conclusion being true

1 point

- deductive reasoning; inductive reasoning
- inductive reasoning; deductive reasoning
- heuristic reasoning; analytical reasoning
- heuristic reasoning; syllogistic reasoning

Yes, the answer is correct.

Score: 1

Accepted Answers:

deductive reasoning; inductive reasoning

9) Evans (1984, 2006) suggests that when we reason we use one system based on heuristic processes and **1 point** another based on _____ processes

- dual-process
- inductive
- analytic
- rapid-decision

Yes, the answer is correct.

Score: 1

Accepted Answers:

analytic

10) Forrest Gump's famous quote, "Life is like a box of chocolates; you never know what you're going to get," **1 point** is an example of _____

- surface approaches
- category induction
- causal reasoning
- analogical reasoning

Yes, the answer is correct.

Score: 1

Accepted Answers:

analogical reasoning

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Week 12: Decision Making

Lec 1 : Classical Theory of Decision Making

Lec 2 : Prospect Theory of Decision Making

Lec 3 : Course Summary

Text Notes

Quiz: Week 12: Assignment 12

Week 12: Feedback form

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Week 12: Assignment 12

The due date for submitting this assignment has passed.

Due on 2022-04-20, 23:59 IST.

Assignment submitted on 2022-04-20, 23:56 IST

- 1) In Kahneman and Tversky's prospect theory, they hypothesized that people tend to _____ low-probability outcomes and _____ high-probability outcomes 1 point

- focus on; ignore
- ignore; focus on
- overweight; overweight
- overweight; underweight

Yes, the answer is correct.

Score: 1

Accepted Answers:

overweight; underweight

- 2) Expected utility theory is usually regarded as a _____ model of decision making 1 point

- descriptive
- prescriptive
- normative
- both descriptive and prescriptive

Yes, the answer is correct.

Score: 1

Accepted Answers:

normative

- 3) The ideal model of decision making involves _____ 1 point

- discussing options with peers
- ranking criteria in terms of their importance
- following your instinct
- deciding only when the outcome is certain

No, the answer is incorrect.

Score: 0

Accepted Answers:

ranking criteria in terms of their importance

- 4) The mental activities that take place in choosing among alternatives are collectively called 1 point

- problem solving
- inductive reasoning
- rational thought
- decision making

Yes, the answer is correct.

Score: 1

Accepted Answers:

decision making

- 5) According to psychologists, human decision making often falls short of optimality because 1 point

- there is not enough information available to make a rational decision
- one cannot be rational under conditions of uncertainty
- the information available overwhelms the cognitive processes
- rationality assumes a higher degree of intelligence than most people have

Yes, the answer is correct.

Score: 1

Accepted Answers:

the information available overwhelms the cognitive processes

- 6) Which of the following is NOT one of the five phases of decision making 1 point

- goal setting
- information gathering
- planning
- random choice

Yes, the answer is correct.

Score: 1

Accepted Answers:

random choice

- 7) Cognitive illusions 1 point

- tell us that our decision-making system is seriously flawed
- tell us something about the way our cognitive systems work
- cannot tell us anything about how to design programs to improve the quality of decisions

represent serious biases in our real-world decisions

No, the answer is incorrect.

Score: 0

Accepted Answers:

tell us something about the way our cognitive systems work

- 8) When we assess probability by judging the ease with which relevant examples come to mind, we are using the heuristic of 1 point

- representativeness
- availability
- framing
- hindsight

Yes, the answer is correct.

Score: 1

Accepted Answers:

availability

- 9) The tendency to seek out information that supports our current beliefs is called 1 point

- a believability effect
- a content effect
- a confirmation bias
- false induction

Yes, the answer is correct.

Score: 1

Accepted Answers:

a confirmation bias

- 10) Normative models of decision making describe 1 point

- how we ought to make decisions in realistic circumstances
- ideal performance under ideal circumstances
- what people actually do when they make decisions
- cognitive illusions

Yes, the answer is correct.

Score: 1

Accepted Answers:

ideal performance under ideal circumstances