





# Unit 3 - Week 01: History and Research Methods of Cognitive Psychology

Course outline
How does an NPTEL online course work?
Week 0: Prerequisite
Week 01: History and Research Methods of Cognitive Psychology
<div><div><div>Lec 1 : A Brief History of Cognitive Psychology-01</div><div>Lec 2 : A Brief History of Cognitive Psychology-02</div><div>Lec 3 : Studying Cognition</div></div><div><div>Quiz : Assessment 01</div><div>Feedback form</div><div>Text Notes</div></div></div>
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## Assessment 01

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

Due on 2020-02-12, 23:59 IST.

All Questions are Compulsory  
Marks [ 1 x 10 ]

1) The belief that most of our abilities and tendencies are with us from birth is known as

nativism

empiricism

associationism

introspection

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

1 point

2) A traditional "school" within psychology that had as its goal the identification of the simplest possible units of the mind

functionalism

structuralism

behaviorism

componentialism

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

1 point

3) The major disadvantage of naturalistic observation is the lack of

experimental control

ecological validity

training given to the participants

both internal and ecological validity

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

1 point

4) A traditional "school" within psychology that emphasized the adaptation of the organism to its environment, and focused on questions such as what role a particular system served for an organism

functionalism

structuralism

behaviorism

connectionism

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

1 point

5) All connectionist models share the assumption that

processing occurs serially

knowledge is stored in various storehouses

a central processor directs the flow of information

processing occurs in parallel

No, the answer is incorrect.  
Score: 0  
Accepted Answers:  
processing occurs in parallel

1 point

6) Wilhelm Wundt and his students used a technique known as \_\_\_\_\_ to study mental states

behaviorism

intensity measurement

componentialism

introspection

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

1 point

7) Which of the following is NOT an example of a cognitive process?

attention

perception

reflex

recognition

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

1 point

8) The school of psychology known as functionalism, which emphasized the purposes of the mind's operations, was founded by

Wilhelm Wundt

John Watson

William James

Edward Titchener

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

1 point

9) The belief that psychological phenomena cannot be reduced to simple elements but must be studied in their entirety is central to the school known as

structuralism

Gestalt psychology

functionalism

behaviorism

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

1 point

10) The field of \_\_\_\_\_ developed during World War II to study such practical questions as how to design aircraft that were safer for human beings to operate

psycholinguistics

human factors engineering

Gestalt psychology

neuroscience

No, the answer is incorrect.  
Score: 0  
Accepted Answers:  
human factors engineering

1 point



















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Introduction to Cognitive Psychology

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# Unit 8 - Week 06: Memory of General Knowledge

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Week 05: Long Term Memory
Week 06: Memory of General Knowledge <ul style="list-style-type: none"><li>Lec 1 : Semantic Memory Basics</li><li>Lec 2 : Models of Semantic Memory</li><li>Text Notes</li></ul>
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## Assessment 06

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

Due on 2020-03-11, 23:59 IST.

All Questions are Compulsory  
Marks [ 1 x 10 ]

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

cognitive economy

schemata

typicality

spreading activation

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
spreading activation

2) Which of the following is NOT one of the memory systems postulated by ACT?

semantic memory

declarative memory

working memory

procedural memory

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
semantic memory

3) According to Anderson, procedural memory represents information as

words

pictures

production rules

words and pictures

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
production rules

4) According to research by Collins and Quillian, the statement "Siamese cats have blue eyes" will be verified

slower than "Siamese cats give birth to live young"

faster than "Siamese cats give birth to live young"

in the same amount of time as "Siamese cats give birth to live young"

slower than "Siamese cats have tails"

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
faster than "Siamese cats give birth to live young"

5) According to ACT models, \_\_\_\_\_ memory represents information in if-then production rules

working

procedural

episodic

declarative

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
procedural

6) A \_\_\_\_\_ is a mental representation of some object, event, or pattern

category

concept

script

memory

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
concept

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

bird

ostrich

robin

humming bird

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
bird

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

"rencle"

"dog"

"island"

"butter"

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
"butter"

9) Which of the following would be a part of your procedural memory system?

knowing that the Baseball Hall of Fame is in Cooperstown, New York

knowing the lifetime batting average of Ted Williams

knowing how to swing a baseball bat

being able to remember the ball and strike count of the current pitch

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
knowing how to swing a baseball bat

10) A schema for a routine event, such as going to the dentist, is called a

concept

category

exemplar

script

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
script



Unit 9 - Week 07: Concept Formation

Course outline

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

Week 03: Attentional Processes and Cognition

Week 04: Memory Introduction

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Week 06: Memory of General Knowledge

Week 07: Concept Formation

Lec 1 : Introducing Concepts and Categories-01

Lec 2 : Introducing Concepts and Categories-02

Text Notes

Quiz : Assessment 07

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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Assessment 07

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

Due on 2020-03-18, 23:59 IST.

All the Questions are Compulsory  
Marks [ 1 x 10 ]

1) “Characteristic features” and “family resemblance” are important aspects of the \_\_\_\_\_ view of concepts

1 point

- classical
- prototype
- exemplar
- schema

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
prototype

2) According to the \_\_\_\_\_ view of concepts, people categorize new instances by comparing them to representations of previously stored instances

1 point

- classical
- prototype
- exemplar
- schema

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
exemplar

3) Implicit learning is also known as

1 point

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

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
nonanalytic concept formation

4) A schema for a routine event, such as going to the dentist, is called a

1 point

- concept
- category
- exemplar
- script

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
script

5) The \_\_\_\_\_ view of concepts argues that a person uses his/her theories about the way the world works to justify the classification of instances in the same category

1 point

- classical
- prototype
- exemplar
- knowledge-based

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
knowledge-based

6) If “soda” is a basic-level category, then \_\_\_\_\_ would be a subordinate level

1 point

- soft drink
- beverage
- drink
- Coca-Cola

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
Coca-Cola

7) Categories are mental representations of concepts

1 point

- True
- False

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
False

8) A \_\_\_\_\_ can be defined as a class of similar things that share either an essential core, or some similarity in perceptual, biological, or functional properties

1 point

- category
- concept
- script
- schema

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
category

9) Which of the following is NOT TRUE of the classical view of concepts?

1 point

- It proposes that concepts are mentally represented by lists of features
- It assumes that membership in a category is clear-cut
- It accurately predicts the typicality effect
- “Necessary” and “sufficient” features play an important role in the theory

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
It accurately predicts the typicality effect

10) Which of the following is a good example of a superordinate level of categorization?

1 point

- apple
- banana
- Fuji apple
- Fruit

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
Fruit



# Unit 10 - Week 08: Visual and Spatial Memory

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How does an NPTEL online course work?
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Week 09: Human Language Skills
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Week 11: Reasoning
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## Assessment 08

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

Due on 2020-03-25, 23:59 IST.

All Questions are Compulsory  
Marks [ 1 x 10 ]

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

picture-word

dual code

visuo-verbal

relational-organizational

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
dual code

2) The relational-organizational hypothesis is supported by

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

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
the fact that noninteractive images do not facilitate recall whereas interactive images do facilitate recall

3) Forming a visual image and then moving from one location on the image to another is known as

symbolic distance

imaginal scanning

mnemonic movement

heuristic distortion

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
imaginal scanning

4) Which is NOT one of Finke's principles of visual imagery

perceptual equivalence

spatial equivalence

structural equivalence

temporal equivalence

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
temporal equivalence

5) A propositional representation is thought to be \_\_\_\_ in nature

verbal

visual

both verbal and visual

neither verbal nor visual

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
neither verbal nor visual

6) Which of the following methods would most help you to remember the word pair "elephant-cigar"

repeating the word "cigar" over and over while visualizing an elephant

repeating both words over and over to yourself

visualizing an elephant and a cigar, not touching each other

visualizing an elephant smoking a cigar

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
visualizing an elephant smoking a cigar

7) The dual coding hypothesis states that recall will be best when items are coded

visually

verbally

both visually and verbally

with two distinct visual images

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
both visually and verbally

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

perceptual equivalence

spatial equivalence

structural equivalence

transformational equivalence

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
perceptual equivalence

9) When the experimental task itself "cues" the subject about how to behave, the task is said to have

internal validity

demand characteristics

transformational equivalence

implicit encoding

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
demand characteristics

10) Participants doing mental imagery tasks tend to show brain activity in the

temporal lobe

parietal lobe

frontal lobe

occipital lobe

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
occipital lobe











# Unit 13 - Week 11: Reasoning

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How does an NPTEL online course work?
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Week 10: Thought Process and Problem Solving
Week 11: Reasoning <ul style="list-style-type: none"><li>Lec 1 : Reasoning - 01</li><li>Lec 2 : Reasoning - 02</li><li>Text Notes</li><li>Quiz : Assessment 11</li><li>Feedback form</li></ul>
Week 12: Decision Making
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## Assessment 11

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

Due on 2020-04-15, 23:59 IST.

All Questions are Compulsory  
Marks [ 1 x 10 ]

1) If performed correctly, deductive reasoning can be said to have \_\_\_\_\_. This means that it is impossible for the premises to be true and the conclusion to be false

inductive strength

deductive strength

inductive validity

deductive validity

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
deductive validity

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

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

No, the answer is incorrect.  
Score: 0

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

3) People have more difficulty working with

quantifiers such as "all" or "no"

quantifiers such as "some"

premises that have negatives in them, and quantifiers such as "all" or "no"

premises that have negatives in them, and quantifiers such as "some"

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
premises that have negatives in them, and quantifiers such as "some"

4) When it is improbable (but not impossible) for an argument's premises to be true and its conclusions false, the argument has:

deductive validity

deductive strength

inductive validity

inductive strength

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
inductive strength

5) When people interpret premises,

they often make unwarranted assumptions

they often fail to consider all possible interpretations of a premise

they perform very well if given enough practice

they often make unwarranted assumptions and fail to consider all possible interpretations of a premise

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
they often make unwarranted assumptions and fail to consider all possible interpretations of a premise

6) Deductive reasoning involves which of the following?

going from general to specific statements

conclusions that add new information to what is given

going from specific to general statements

going from specific to specific statements

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
going from general to specific statements

7) The tendency to seek out information that supports our current beliefs is called:

a believability effect

a content effect

a confirmation bias

sylogistic reasoning

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
a confirmation bias

8) If a person has five letters in his/her name, then s/he is a Glirple. Fred now reasons that anyone who is a Glirple must have five letters in his/her name. Fred has:

made a correct inference according to modus ponens

made a correct inference according to modus tollens

committed the fallacy of denying the antecedent

committed the fallacy of affirming the consequent

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
committed the fallacy of affirming the consequent

9) Which type of reasoning results in conclusions that contain new information?

inductive reasoning

deductive reasoning

invalid reasoning

both inductive and deductive reasoning

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
inductive reasoning

10) Conclusions that agree with one's previous beliefs:

are often judged as valid even when they are not

are often judged as invalid even when they are not

are more often judged correctly as valid or invalid than conclusions that disagree with one's previous beliefs

lead to biases known as "content effects"

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
are often judged as valid even when they are not



