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State Finished

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Time taken 1 hour 35 mins

Grade 36.33 out of 45.00 (81%)

Question 1

Correct

Mark 3.00 out of
3.00

For the following sentence pair, the garden path theory will predict

- (a) While Mary was mending the sock fell off her lap.
(b) While Mary was mending the sock it fell off her lap.

Select one or more:

- that there will be no difference between (a) and (b)
- (a) to be less difficult than (b) at 'fell off' due to late closure
- (a) to be more difficult than (b) at 'the sock' due to late closure
- (a) to be more difficult than (b) at 'fell off' due to late closure ✓
- (a) to be less difficult than (b) at 'the sock' due to late closure
- that during the initial stage, both category information, as well as semantic information, will be used to parse both (a) and (b)
- that during the initial stage, only category information will be used to parse both (a) and (b) ✓

Your answer is correct.

The correct answers are: (a) to be more difficult than (b) at 'fell off' due to late closure, that during the initial stage, only category information will be used to parse both (a) and (b)

Question 2

Correct

Mark 3.00 out of 3.00

Which of the following can be deemed correct with regard to language cognition?

Select one or more:

- Language cognition can be understood as algorithmic where fixed operation transform certain representations ✓
- Language cognition is mostly non-algorithmic, i.e., many fixed expressions are stored to avoid complex operations
- Language cognition can be a good device to study the functioning and constraints of the human mind ✓
- Language cognition is influenced by other cognitive systems such as vision, memory ✓
- Language cognition is learnt via stimulus-response

Your answer is correct.

The correct answers are: Language cognition can be understood as algorithmic where fixed operation transform certain representations, Language cognition is influenced by other cognitive systems such as vision, memory, Language cognition can be a good device to study the functioning and constraints of the human mind

Question 3

Correct

Mark 2.00 out of 2.00

Which of the following statements is true for Meiteilon:

Select one:

- Meiteilon verbs inflect for person, number and gender
- Meiteilon verbs do not inflect for person, number and gender ✓
- Meiteilon verbs inflect for number and gender

Your answer is correct.

The correct answer is: Meiteilon verbs do not inflect for person, number and gender

Question 4

Incorrect

Mark 0.00 out of
2.00

Here is a sample of two speeches:

a. More eat

You tickle

Key open key

Cry sorry have love...

b. Give me the other one spoon that picks up pasta

I wanna to play with my friend

He helded my toy

Which of these speeches can be explained under a Finite State Machine?

Select one:

- Neither a nor b ❌
- b
- a

Your answer is incorrect.

The correct answer is: a

Question 5

Correct

Mark 3.00 out of
3.00

If a prior exposure to a word like 'duck' makes processing of 'goose' easier, then it means that

Select one or more:

- 'goose' got preactivated as a result of the spreading of activation from the word 'duck' ✓
- 'goose' got preactivated as a result of being close to the word 'duck' in the semantic network ✓
- 'goose' got preactivated as a result of frequent co-occurrence with the word 'duck'
- 'goose' got preactivated as a result of lateral activation due to the word 'duck'
- 'goose' got preactivated as a result of being phonologically related to the word 'duck'

Your answer is correct.

The correct answers are: 'goose' got preactivated as a result of the spreading of activation from the word 'duck', 'goose' got preactivated as a result of being close to the word 'duck' in the semantic network

Question 6

Partially correct

Mark 2.50 out of 3.00

For the following Hindi sentences

(a) ramesh khaanaa khaa rahaa thaa

'Ramesh was eating food'

(b) ramesh kal shaam hotal me khaanaa khaa rahaa thaa

'Ramesh was eating food in the hotel yesterday'

Which of the statements is/are correct?

Select one or more:

- Reading time at 'rahaa thaa' in (a) will be more than (b) according to the surprisal/expectation theory ✓
- Reading time at 'rahaa thaa' in (a) will be more than (b) based on entropy ✗
- Reading time at 'rahaa thaa' in (a) will be less than (b) according to the dependency locality theory ✓
- Reading time at 'rahaa thaa' in (a) will be more than (b) according to the dependency locality theory
- Reading time at 'rahaa thaa' in (a) will be less than (b) according to the surprisal/expectation theory

Your answer is partially correct.

You have selected too many options.

The correct answers are: Reading time at 'rahaa thaa' in (a) will be less than (b) according to the dependency locality theory, Reading time at 'rahaa thaa' in (a) will be more than (b) according to the surprisal/expectation theory

Question 7

Partially correct

Mark 0.50 out of 3.00

It is known that we can identify words even when it is partially visible. This is evidence for

Select one or more:

- the influence of top-down processing during lexical processing
- the TRACE model of lexical processing ✓
- the role of visual perception during lexical processing ✗
- the influence of bottom-up processing during lexical processing ✗
- the FOBS model of lexical processing

Your answer is partially correct.

You have selected too many options.

The correct answers are: the TRACE model of lexical processing, the influence of top-down processing during lexical processing

Question 8

Correct

Mark 4.00 out of 4.00

Given below is some data from Tiberian Hebrew. The data is in the format $X \rightarrow Y$ where X is the input form (Mental form of the word) and Y the output form (Pronounced form of the word). You have to match each data set with the rule/rule ordering that corresponds to it.

Given

 \varnothing = null

C = consonant

? = Glottal stop

def? \rightarrow defe 'tender grass'

Counter-bleeding order between the two rules ▼

def? \rightarrow def 'tender grass'

Bleeding order between the two rules ▼

melk \rightarrow melek 'king' $\varnothing \rightarrow [-\text{cons}] / C_C$ ▼qara? \rightarrow qara 'he called'? $\rightarrow \varnothing / _\#$ ▼

Your answer is correct.

The correct answer is: def? \rightarrow defe 'tender grass' \rightarrow Counter-bleeding order between the two rules, def? \rightarrow def 'tender grass' \rightarrow Bleeding order between the two rules, melk \rightarrow melek 'king' $\rightarrow \varnothing \rightarrow [-\text{cons}] / C_C$, qara? \rightarrow qara 'he called' $\rightarrow ? \rightarrow \varnothing / _\#$

Question 9

Correct

Mark 1.00 out of 1.00

A child born to English speaking parents commits errors such as:

'He beated me so much'

What kind of error is this?

Select one:

- Undergeneralization
- Overgeneralization
- Careless speech

Your answer is correct.

The correct answer is: Overgeneralization

Question 10

Correct

Mark 3.00 out of 3.00

Based on Yngve's complexity metric, which of the following will be correct for the following sentence pair

- (a) The reporter who the senator attacked admitted the error.
- (b) The reporter admitted the error who the senator attacked.

Select one or more:

- (a) is more difficult than (b) ✓
- (b) is more difficult than (a)
- (a) and (b) are equally difficult

Your answer is correct.

The correct answer is: (a) is more difficult than (b)

Question 11

Partially correct

Mark 2.00 out of 3.00

Which of the following statements regarding reading models such as E-Z reader are correct

Select one or more:

- They are unable to account for regressions and are also unable to interface with sentence processing constraints
- They can easily account for the so-called predictability effect -- predictable words are either skipped or take less time to read. ✓
- They can explain why the optimal viewing position is at the end of a word
- They assume that the saccade planning and language processing happens serially
- They are able to explain how it takes around 250ms to read a word, i.e., they solve the time-crunch problem ✓
- They can explain how the perceptual span can be increased in skilled readers

Your answer is partially correct.

You have correctly selected 2.

The correct answers are: They are unable to account for regressions and are also unable to interface with sentence processing constraints, They are able to explain how it takes around 250ms to read a word, i.e., they solve the time-crunch problem, They can easily account for the so-called predictability effect -- predictable words are either skipped or take less time to read.

Question 12

Correct

Mark 2.00 out of 2.00

Syntactic complexity can arise due to

Select one or more:

- Limitations of working memory ✓
- Operations within the grammar ✓
- None of the choices
- Properties of the syntactic structure ✓

Your answer is correct.

The correct answers are: Operations within the grammar, Properties of the syntactic structure, Limitations of working memory

Question 13

Correct

Mark 1.00 out of 1.00

Which one of the following morphemes is a distal demonstrative in Kharia? (1)

Select one:

- a. hin/han ✓
- b. u
- c. ho

Your answer is correct.

The correct answer is: hin/han

Question 14

Incorrect

Mark 0.00 out of 1.00

Bee dances convey information about the direction as well as the distance of the food source which indicates that bee communication displays:

Select one:

- Displacement
- Interchangeability
- Semanticsity ✗

Your answer is incorrect.

The correct answer is: Displacement

Question 15

Partially correct

Mark 2.00 out of
3.00

Which of the following effects provide evidence for the role of working-memory limitations during sentence comprehension?

Select one or more:

- Garden-path effect
- Word superiority effect
- Interference effect ✓
- Locality effect ✓
- Anti-locality (prediction) effect

Your answer is partially correct.

You have correctly selected 2.

The correct answers are: Locality effect, Garden-path effect, Interference effect

Question 16

Correct

Mark 1.00 out of
1.00

Crab claw-waves lack one of the following design features:

Select one:

- Vocal-auditory ✓
- Iconicity
- Semanticity

Your answer is correct.

The correct answer is: Vocal-auditory

Question 17

Partially correct

Mark 3.33 out of 4.00

Read very carefully and select all and only the statements that are TRUE.

(There is negative marking)

Select one or more:

- If X immediately precedes Y, then nodes X and Y C-command each other.
- If node X precedes node Y, then all the nodes dominated by Y precede X
- If X dominates Y then Y is a constituent of X. **✗** False: If Y is a constituent of X, then it has to be the case that X dominates Y. But it is not necessarily true that every node dominated by X is a constituent of X. For example, if X dominates A and A dominates Y, then X dominates Y. However, Y is a constituent of A, but not a constituent of X.
- If node X C-commands node Y, then all the nodes dominated by Y are C-commanded by X. **✓** True: If X C-Commands Y then there is a node Z such that Z immediately dominates X and also dominates Y. If Z dominates Y then it also dominates every node that Y dominates. Therefore, X C-commands every node that Y dominates as well.
- If node X sister-precedes node Y, then node X immediately precedes node Y.
- If node X C-commands node Y, then all the nodes dominated by X are C-commanded by Y.
- If node X governs node Y, then all the nodes dominated by Y are governed by X.
- If node X precedes node Y, then all the nodes dominated by X precede Y. **✓** True: Domination lines do no cross over.

Your answer is partially correct.

You have selected too many options.

The correct answers are: If node X C-commands node Y, then all the nodes dominated by Y are C-commanded by X., If node X precedes node Y, then all the nodes dominated by X precede Y.

Question 18

Correct

Mark 3.00 out of 3.00

For which of the following sentence processing theories will one assume a probabilistic grammar

Select one or more:

- Surprisal **✓**
- Garden-path model
- Entropy **✓**
- Cue-based retrieval theory
- Constraint-based theory (for ambiguity resolution) **✓**

Your answer is correct.

The correct answers are: Surprisal, Entropy, Constraint-based theory (for ambiguity resolution)

