**Final Exam PY 351**

concept formation

hypothesis testing

Successive scanning

Simultaneous scanning

Conservative focus

Focus gambling

Syllogism

Deductive reasoning

Inductive reasoning

Mental set

Relational inference

Propositional inference

Decision frame

Heuristic

Functional fixedness

cognitive miser model

Availability heuristic

Representativeness heuristic

Anchoring and adjustment heuristic

Confirmation bias

Hindsight bias

Illusory correlation

Sternberg theory of intelligence

Intuition

Divergent thinking

Convergent thinking

Top down processing

Bottom up processing

Intelligence can be measured by: (General knowledge test , Information processing speed)

experiential intelligence might

componential intelligence

Teaching creativity

corpus callosum:

The left hemisphere is primarily responsible for:

Perceptual span

Cocktail party phenomenon

Draw two neurons and label the following parts (axon, dendrites, cell body, myelin, synapse). Define briefly what each part is/does.

Modern imaging techniques allow cognitive psychologists to study cognitive processes while they happen. List two and briefly describe each (include whether it shows function or structure)?

Episodic memory

Semantic memory

Procedural memory

False memory

Implicit memory

Memory

Massed practice, distributed practice

Primacy-Recency effect

Von Restorff effect

Penny demo – levels of processing

Piaget’s stages (Sensory motor stage, Formal operations stage, Pre-operational stage, Concrete operations stage)

Vygotsky (Scaffolding)

Development of neurons and synapses before and after birth

Aging and memory

consciousness

sleep stages (Stage 1, Stage 2, Stage 3, Stage 4, REM)

theory of dreams (Physiological, Activation synthesis, Information processing, Freud’s Unconscious desires)

Broca’s Area

Wernicke’s Area

Left inferior prefrontal cortex

Ventral occipital lobe

Morpheme

Phoneme

Syntax

Deep structure, surface structure