Semester 1 Psychology Final Prep:

1. Command Terms
   1. Define
   2. Describe
   3. Outline
   4. State
   5. Analyze
   6. Apply
   7. Distinguish
   8. Explain
   9. Compare and Contrast
   10. Evaluate
   11. Examine
   12. To what extent
2. Chapter 1: Research Methodology
   1. Reliability
   2. Validity
      1. Internal
         1. Demand Characteristics
            1. Hawthorne Effect
            2. Screw-you Effect
      2. External
         1. Ecological Validity
   3. Ethical Issues
      1. People
      2. Animals
   4. Sampling
      1. Random
      2. Opportunity/Convenience
      3. Stratified/Quota
      4. Cluster
      5. Purposive
      6. Snowball
   5. Experiments
      1. Variables
         1. Independent
         2. Dependent
         3. Confounding
      2. Hypothesis/Null
   6. Design
      1. Independent measures
      2. Repeated measures
      3. Laboratory
      4. Field
      5. Natural
      6. Quasi
   7. Correlational Studies
      1. Positive
      2. Negative
   8. Observations
      1. Overt/Covert
      2. Participant/Non
      3. Naturalistic/Controlled
      4. Strengths/Weaknesses
      5. Ethics
      6. Recording/Analyzing Data
3. Chapter 2: Biological Level of Analysis-- Learning Outcomes
   1. Historical/Cultural Development
   2. Principles
      1. Emotions/Behavior
         1. Neurotransmitters
         2. Hormones
         3. Localization
      2. Patterns of Behavior can be inherited
         1. Darwin
         2. Intelligence/homosexuality/criminal behavior/disorders
      3. Animal Research may help inform our understanding
         1. Similarity to humans
         2. Shorter life spans
   3. Methods and Ethics
      1. Laboratory Experiments
         1. Placebo Effect
         2. Humans vs Animals
      2. Case Studies
      3. Correlational Studies
   4. Localization of Function
      1. Phrenology
      2. Case Studies of Brain Damage
         1. Broca
         2. Wernicke
      3. Technology
         1. EEG
         2. CT
         3. MRI
         4. Fmri
         5. PET
      4. HM
      5. Split Brain
      6. Neuroplasticity
      7. Neurotransmission
         1. Cell Structure/Communication
         2. Drugs and behavior
         3. Neurotransmitters
      8. Hormones
         1. Adrenaline
         2. Melatonin
         3. Oxytocin
      9. Genetics and Behavior
         1. Schizophrenia
         2. Twin Studies
      10. Evolutionary Psychology
          1. Adaptive Behaviors?
             1. Homosexuality
             2. Homicide
             3. Other
      11. Ethics
4. Chapter 3: Cognitive Level of Analysis—Learning Outcomes
   1. Historical and Cultural Development
      1. Cognition
      2. Information Processing
      3. Behaviorism
         1. Classical/Operant Conditioning
         2. Reinforcement
      4. Cognitive Psychology
         1. Watson
         2. WWII
   2. Principles
      1. Mental processes guide behavior
      2. The mind can be studied scientifically
      3. Cognitive processes are influenced by social and cultural factors
   3. Schema theory
      1. Serial reproduction
      2. Repeated reproduction
   4. Memory—Reliability
      1. EWT
   5. Memory—Models/Theory
      1. Multi-store Model (MSM)
         1. Sensory
            1. Attention
         2. Short Term
            1. Rehearsal
         3. Long Term
            1. Retrieval
         4. Free Recall
            1. Primacy-Recency Effect
            2. Serial position curve
         5. Working memory
            1. Declarative/procedural
            2. Semantic/episodic
      2. Levels of Processing (LOP)
         1. Structural
         2. Phonological
         3. Semantic
         4. Depth of processing
   6. Biology and Cognition
      1. Alzheimer’s Disease
         1. Brain Structure
         2. Amyloid plaques
         3. Neurofibrillary tangles
            1. Tau protein
   7. Cognitive and biological factors in emotion
      1. Two Factor Theory
         1. Physiological arousal
         2. Emotional interpretation and labelling of arousal
      2. Appraisal Theory
         1. Primary
            1. Motivational relevance
            2. Motivational congruence
            3. accountability
         2. Secondary
            1. Problem-focused coping
            2. Emotion-focused coping
            3. Future expectancy
         3. Core relational theme
      3. Conscious/unconscious
   8. Emotion affecting cognition
      1. Flashbulb Memory
         1. Current state of Brown/Kulik theory
      2. Social/Cultural factors on cognitive processes
         1. Individualism/Collectivism
   9. Technology and Cognitive Processes
      1. fMRI
         1. Risky decisions
         2. Ambiguous decisions
         3. Reappraisal
   10. Methods/Ethics
       1. Experimental methods
          1. Laboratory
          2. Field
          3. Cross-cultural
       2. Techniques
       3. Case Studies
       4. Interviews

Middlemist et al. (1976)

Phineas Gage

The Case of HM

Maguire et al (2000)

Sperry (1968)

Loftus and Palmer (1974)

Tibetan Monks (2007)

Twin Studies

Brown and Kulik (1977)

Barlett (1932)

Tierney et al. (2001)

Schachter and Singer (1962)

Heston (1966)

Speisman et al. (1964)

Huettel et al. (2006)

Wager et al. (2008)