

Study Guide for Book Material for Exam 3

Chapter 9

Distinguish between an algorithm and a heuristic

Distinguish among reflective judgment, inductive, deductive, and dialectical reasoning, and between informal and formal reasoning.

Discuss several types of cognitive dissonance, and describe the conditions under which people are most likely to try to reduce dissonance.

Define and explain the g factor in intelligence.

Distinguish between the psychometric approach and cognitive approaches to intelligence.

Discuss the objectives, uses, and criticisms of IQ tests. Discuss two specific examples of IQ tests.

Describe components of Sternberg's theory of intelligence and discuss whether these components are measured on intelligence tests.

Describe Gardner's theory of multiple intelligences, and define emotional intelligence.

Chapter 10

Discuss the reconstructive nature of memory and the implications for legal cases.

Compare recognition, recall, priming, relearning, and explicit and implicit memory.

Describe the "three-box model" of memory and explain its components.

Describe the processes and limitations of short-term memory (STM).

Describe the characteristics of long-term memory (LTM), and explain how information is organized.

Distinguish among procedural, declarative, semantic, and episodic memories.

Describe techniques for keeping information in short-term memory and for transferring information to long-term memory.

List and discuss theories of why forgetting occurs, including childhood amnesia.

Chapter 11

Describe the components involved in the experience of emotion.

Describe the role of facial expressions in emotional experiences. Discuss the role of social contexts.

Using research evidence, discuss the involvement of the right and left prefrontal cortex, the amygdala, and cerebral cortex in the experience and expression of emotion.

Explain through the use of examples how cognitive processes can affect emotions.

Distinguish between primary and secondary emotions.

Discuss how culture can influence the experience and express of emotion.

Chapter 12

Define motivation and distinguish between drives based on physiological needs and those that are psychological and social in nature.

Define passionate and companionate love, and describe the attachment theory of love.

Discuss the impact of social and economic influences on gender differences in love.

Describe the various explanations advanced to explain sexual orientation. Discuss the limitations of these hypotheses.

Explain the internal and external forces that motivate people to work and to achieve.

List and discuss three types of motivational conflicts.

Summarize Maslow's hierarchy of needs and discuss whether motives can be ranked.