

Advanced Psychological Foundations

Psychology · Answer Key · 18 Questions

1. Which brain structure is primarily responsible for the processing of fear-based memories and emotional responses?

- A) Hippocampus
- B) Amygdala**
- C) Thalamus
- D) Cerebellum

2. According to Jean Piaget's theory of cognitive development, in which stage does an individual develop the capacity for abstract thought and hypothetical reasoning?

- A) Sensorimotor
- B) Preoperational
- C) Concrete Operational
- D) Formal Operational**

3. What is the term for the 'all-or-none' electrical impulse that travels down the axon of a neuron?

- A) Synaptic cleft
- B) Resting potential
- C) Action potential**
- D) Myelin sheath

4. Which neurotransmitter is most directly associated with the reward system and the reinforcement of motivated behavior?

- A) Dopamine**
- B) Serotonin
- C) Acetylcholine
- D) GABA

5. The phenomenon where individuals perform better on simple tasks when in the presence of others is known as:

- A) Social loafing
- B) Social facilitation**
- C) Groupthink
- D) Deindividuation

6. In operant conditioning, what does the term 'negative reinforcement' actually mean?

- A) Punishing a behavior
- B) Ignoring a behavior
- C) Removing an aversive stimulus to increase behavior**
- D) Decreasing the frequency of a response

7. Which psychological effect describes the tendency to overestimate the extent to which other people share our opinions and behaviors?

- A) False consensus effect**
- B) Dunning-Kruger effect
- C) Fundamental attribution error
- D) Hindsight bias

8. What is the primary function of the corpus callosum in the human brain?

- A) Regulating body temperature
- B) Processing visual input
- C) Connecting the left and right cerebral hemispheres**
- D) Controlling balance and coordination

9. Who is credited with establishing the first laboratory for psychological research in 1879?

- A) Sigmund Freud
- B) William James
- C) Wilhelm Wundt**
- D) B.F. Skinner

10. What does the 'Big Five' personality trait of 'Neuroticism' measure?

- A) Openness to new ideas
- B) Level of emotional instability**
- C) Social assertiveness
- D) Intellectual curiosity

11. Which memory system is responsible for holding information for a very short duration, typically less than 30 seconds, without rehearsal?

- A) Sensory memory
- B) Long-term memory
- C) Procedural memory
- D) Short-term working memory**

12. The 'Marshmallow Test', conducted by Walter Mischel, was primarily designed to study which psychological construct?

- A) Intelligence quotient
- B) Delayed gratification**
- C) Social conformity
- D) Perceptual set

13. Which specific brain lobe is primarily responsible for executive functions, planning, and impulse control?

- A) Occipital lobe
- B) Temporal lobe
- C) Parietal lobe
- D) Frontal lobe**

14. What occurs during the REM stage of sleep?

- A) Deep, restorative physical recovery
- B) The body enters a state of paralysis
- C) High frequency brain activity and vivid dreaming**
- D) The lowest level of metabolic activity

15. What is the term for the failure to notice a fully visible object because attention is engaged on another task?

- A) Inattention blindness**
- B) Change blindness
- C) Sensory adaptation
- D) Selective attention

16. According to the Yerkes-Dodson law, how does arousal affect performance?

- A) Higher arousal always leads to better performance
- B) Lower arousal is always optimal
- C) Performance peaks at moderate levels of arousal**
- D) Arousal has no impact on task performance

17. Which concept in developmental psychology refers to the understanding that objects continue to exist even when they cannot be seen?

- A) Conservation
- B) Object permanence**
- C) Egocentrism
- D) Schema formation

18. What is the 'Fundamental Attribution Error'?

A) Attributing failure to internal factors and success to external ones

B) The tendency to attribute others' behavior to internal traits rather than situational factors

C) The belief that good things happen to good people

D) The tendency to blame oneself for random events