

15HUM240 Psychology for Engineers

(Common to all branches)

Time: Two hours

Maximum: 50 Marks

Answer all questions

Part A : Multiple choice Questions

1 In Pavlov's study of digestion, he noticed that the dogs were salivating at the sight of food. What was Pavlov's initial reaction to this?

- a. The salivation was considered to be a bothersome problem.
- b. He was very excited since he wanted the dogs to salivate at the sight of food.
- c. He expected it, so it did not affect his study of digestion.
- d. He could not have cared less.

2 If you wanted to condition your friends to blink their eyes in response to the word "apple" what would you do?

- a. Use classical conditioning and pair the word "apple" with a puff of air to the eyes.
- b. Use classical conditioning and reinforce eye blinking with a slice of an apple.
- c. Use operant conditioning and reinforce eye blinking to the word "apple" with a dollar.
- d. Use operant conditioning and pair the eye blinking with a slice of an apple.

3 If you've been classically conditioned to salivate to a bell, you've learn that the:

- a. food predicts the bell
- b. reinforcement predicts salivating
- c. bell predicts food
- d. food predicts salivating

4 Baby Alice is playing with a white bunny rabbit when a loud noise suddenly startles her, and she begins to cry. Alice is later given a white cat to play with and begins crying again. Her reaction to the white cat illustrates:

- a. generalization
- b. discrimination
- c. spontaneous recovery
- d. Extinction

5 Discrimination is to narrow as generalization is to _____.

- a. learned
- b. restrict
- c. broad
- d. Reappear

6 A child falls off her bike and becomes afraid to ride. What is likely to occur if she tries to take short, safe rides that do not result in her falling?

- a. conditioned learning
- b. extinction
- c. discrimination
- d. generalization

7 Carla's fear of aftershave is extinguished. But a few weeks later, she experiences anxiety when smelling a sample of the aftershave. Carla has experienced:

- a. generalization
- b. pseudo extinction
- c. spontaneous recovery
- d. instrumental learning

- 8 In Insight Learning,,the monkey which was observed is
- Chikku
 - dolly
 - Sultan
 - bobby
- 9 Observational learning among children is influenced by
- parents
 - Teachers
 - Elder siblings
 - All the above
- 10Pica has been successfully treated using operant conditioning. Each time an inedible object was selected, the subject received _____. Each time an appropriate, edible object was selected, _____ was presented.
- praise; criticism
 - a consequence; reinforcement
 - negative reinforcement; reinforcement
 - mild punishment; reinforcement
11. Positive reinforcement is
- Increasing a behavior by administering a reward
 - Increasing a behavior by removing an aversive stimulus when a behavior occurs
 - Decreasing a behavior by administering an aversive stimulus
 - Decreasing a behavior by not rewarding it
- 12Partial reinforcement schedules:
- are less expensive, but they tend to discourage the learner
 - are very effective in maintaining behavior over the long run
 - often confuse a learner who has grown used to a continuous pattern of reinforcement
 - do not follow patterns
- 13Suzanne randomly checks up on her employees several times throughout the day to praise them if they are working hard. None of the employees know when Suzanne will be checking up on them. Suzanne is using a _____ schedule of reinforcement.
- fixed-interval
 - fixed-ratio
 - variable-interval
 - variable-ratio
- 14 Ivan Pavlov is
- Russian Physiologist
 - Greek Physiologist
 - Indian Physiologist
 - American Physiologist
- 15The most frequent problem of parents who bring their children to clinics for treatment of behavioral problems is:
- bedwetting
 - animal fears
 - nightmares
 - Noncompliance

Part B :Write short notes:

- Classical conditioning
- Difference between Classical and Operant Conditioning
- I.Q
- Factors that determine learning & memory.

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