



BRAINWARE UNIVERSITY

Term End Examination 2023
Programme – B.Sc.(PSY)-Hons-2022
Course Name – Cognitive Psychology
Course Code - PSYC201
(Semester II)

Full Marks : 60

Time : 2:30 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question)

1 x 15=15

1. *Choose the correct alternative from the following :*

- (i) Which of the following tasks require the use of selective attention - a) Dichotic listening task
b) Visual search c) Saccadic eye movement d) Processing information
- a) a,b,c and d
b) a, b and c
c) a and c
d) b and d
- (ii) Differentiate between sensation and perception
- a) Sensation is the process of organizing and interpreting sensory information while perception is the process of receiving sensory information.
b) Sensation is the process of receiving sensory information while perception is the process of organizing and interpreting sensory information.
c) Sensation and perception are the same process.
d) Sensation is the process of organizing sensory information while perception is the process of interpreting sensory information.
- (iii) The phi phenomenon is the perception of movement when two or more stationary stimuli are presented in rapid succession. This phenomenon is an example of which type of movement perception?
- a) Apparent motion
b) Motion parallax
c) Relative motion
d) Biological motion
- (iv) Recognize the Gestalt law of perceptual organization which states that the mind tends to fill in missing information in order to perceive a complete object
- a) Proximity
b) Continuity
c) Closure
d) Similarity
- (v) Explain the attentional selection in Late Filter Model

- a) Attentional selection is determined by the physical features of stimuli
- b) Attentional selection is determined by semantic meaning
- c) Attentional selection occurs based on a combination of physical features and semantic meaning
- d) None of these
- (vi) Write the role of shadowing in the dichotic listening
- a) Repeating back all of the sounds presented in both ears
- b) Repeating back all of the sounds presented in one ear
- c) Ignoring one ear and focusing on sounds presented in the other ear
- d) Focusing on one specific sound presented in both ears
- (vii) Which of the following are feature of the attenuation theory?
- a) Some stimuli are strengthened and others are weakened
- b) Stimuli analyzed for target properties
- c) Limited capacity of intake
- d) All of these
- (viii) Rapid movements of the eyes that are made while reading can be describe as
- a) Focus of attention
- b) Rapid eye movement
- c) Saccadic Eye Movement
- d) Visual Search
- (ix) State the spotlight theory of attention
- a) The theory states that attention is limited to a single sensory modality
- b) The theory states that attention is distributed equally across the visual field
- c) The theory states that attention is like a spotlight that can be directed to different locations in space
- d) The theory states that attention is like a resource that can be divided among multiple tasks
- (x) William James describe attention as having -
- a) A focus only
- b) Focus and margin
- c) Focus, Margin and Fringe.
- d) None of these
- (xi) In a restaurant a person is attending the conversation while ignoring other sounds in the environment, such as the background music, the sound of dishes clinking. This is an example of -
- a) Alternative Attention
- b) Divided Attention
- c) Selective Attention
- d) Sustained Attention
- (xii) Choose the function of the retina in the visual system
- a) To transmit visual information to other parts of the eye
- b) To process visual information and generate neural signals
- c) To regulate the amount of light that enters the eye
- d) All of these
- (xiii) Which of the following is an example that works as cue for sound localization?
- a) Time delay between the arrival of sound at the two ears
- b) Differences in the shape of the ear between the two ears
- c) Both A and B
- d) None of these
- (xiv) Explain the Place theory of audition -
- a) Different section of the basilar membrane is tuned to a specific frequency
- b) Sound perception is caused by variations in ear shape between the two ears.
- c) It is the localization of sound
- d) The entire basilar membrane vibrates in synchrony with a sound
- (xv) Choose the two main structures of the vestibular system?
- a) The cochlea and the semicircular canals
- b) The cochlea and the vestibule
- c) The utricle and the saccule
- d) The semicircular canals and the vestibule

Group-B
(Short Answer Type Questions)

3 x 5=15

- 2. Describe Status Quo Heuristic. (3)
- 3. State the focal and marginal theory of attention. (3)
- 4. Explain the resources allocation theory of divided attention. (3)
- 5. Determine the various characteristics of figure and ground. (3)
- 6. Distinguish between Absolute and Differential Threshold. (3)

OR

Explain means end analysis heuristic. (3)

Group-C
(Long Answer Type Questions)

5 x 6=30

- 7. Discuss the steps in creative problem solving with example (5)
- 8. What is the role of divergent and convergent thinking in problem solving ? (5)
- 9. Diagrammatically describe the various types of illusions (5)
- 10. Illustrate the various types of movement perception (5)
- 11. Differentiate between binocular cues and monocular cues (5)
- 12. Analyse the use of dichotic listening task in the field of attention (5)

OR

Explain the hierarchy model of attention (5)
