



Avinashilingam Institute for Home Science and Higher Education for Women
 (Deemed to be University under Category 'A' by MHRD, Estd. u/s 3 of UGC Act 1956)
 Re-accredited with 'A+' Grade by NAAC. Recognised by UGC Under Section 12B
 Coimbatore - 641 043, Tamil Nadu, India

Bachelor's Degree Examination – March 2021
I Semester

Class : I UG
Major : Psychology

Time : 3 Hours
Max. Marks: 100

18BPSC02 Physiological Psychology

Part A
Choose the Correct Answer

10 x 1 = 10

1. This is the destruction of a gland and its systematic observation is
 - a. Stimulation
 - b. Electronic recording
 - c. Ablation
 - d. Chemical stimulation
2. It is the non invasive method to study brain.
 - a. Abalation
 - b. Stereotaxic surgery
 - c. FMRI
 - d. All the above
3. The part that contains centers for vital reflexes is
 - a. Cerebellum
 - b. Medulla
 - c. Mid brain
 - d. Corpus striatum
4. This lobe is the posterior part of the cerebral hemispheres is
 - a. Frontal
 - b. Temporal
 - c. Parietal
 - d. Occipital
5. The fluid outside the nerve has more positive ions than the fluid inside is known as
 - a. polarized
 - b. depolarized
 - c. spike potential
 - d. none of the above
6. Reward motivated behavior is an example of
 - a. dopamine effect
 - b. acetylcholine effect
 - c. GABA effect
 - d. serotonin effect
7. This is an endocrine gland responsible for sodium retention is
 - a. Pancreas
 - b. Parathyroid
 - c. Pineal gland
 - d. Adrenal cortex
8. If hypothyroidism develops at birth or early childhood, it causes symptoms called as
 - a. myxedema
 - b. cretinism
 - c. goiter
 - d. acromegaly
9. Lack of appetite is termed as
 - a. polyphagia
 - b. polydipsia
 - c. aphagia
 - d. satiation
10. This part controls implicit memory is
 - a. Basal ganglia
 - b. Cerebellum
 - c. Both a and b
 - d. None of the above

Part B

5 x 6 = 30

Answer ALL questions

Each answer should not exceed 400 words or two pages

- 11.a. Discuss any three branches of biopsychology.
(or)
11.b. Write short note on MRI.
- 12.a. Explain the functions of ANS.
(or)
12.b. Give an account on hindbrain.
- 13.a. Elaborate on the functions of any two neurotransmitters.
(or)
13.b. Discuss about graded potential and spike potential.
- 14.a. Explain the characteristics of endocrine glands.
(or)
14.b. Write short note on parathyroid gland.
- 15.a. Give a brief account on sleep.
(or)
15.b. Discuss the impairment of memory.

Part C

5 x 12 = 60

Answer ALL questions

Each answer should not exceed 800 words or four pages

- 16.a. Define biopsychology. Elaborate on the branches of biopsychology.
(or)
16.b. Explain neuroimaging techniques.
- 17.a. Elaborate on the parts of brain and its functions.
(or)
17.b. Discuss the structure and functions of peripheral nervous system.
- 18.a. Give a detailed account on Nerve impulse transmission.
(or)
18.b. Explain the functions of neurotransmitters.
- 19.a. Discuss the major endocrine glands in detail.
(or)
19.b. Elaborate on hormones and its functions.
- 20.a. Explain the neurophysiology of arousal and consciousness.
(or)
20.b. Discuss the brain mechanisms of learning and memory.
