



**Avinashilingam Institute for Home Science and Higher Education for Women
(Deemed to be University) Coimbatore-641043
Bachelor's Degree Examination-April/May-2019
Semester II**

**Class: I UG
Major: PHYSICIAN ASSISTANT**

**Time: 3 HRS
Max.marks: 100**

**18BPAC06 –PHYSIOLOGY-II
PART-A**

Circle the correct answer

10X1=10

1. Photosensitivity pigment chromophore of cone is present in
a. Lodopsin b. Rhodopsin c. Cyanopsin d. Scotopsin
2. The union of ovum and sperm is termed as
a. Ovulation b. Spermatogenesis c. Fertilization d. Contraceptions
3. Breast milk is the best food for babies because
a. Easily available b. Easy to drink c. Species specific d. No cost
4. Blood brain barrier is formed by
a. Microglia b. Fibrous astrocytes
c. Oligodndrocytes d. Neuroglial cells
5. Photochemical process of vision of the eye is controlled by
a. Vit B' complex b. Vit A c. Vit D d. Vit E
6. Corona radiate the nerve fibres resemble as
a. Round structure b. Oval structure c. Hexagonal d. Fanlike
7. Motion sickness is caused by the disturbance in the
a. Middle ear b. Internal ear c. Temporal lobe of the brain d. Mastoid bone
8. Nervous control of speech is located in
a. Temporal lobe b. Left hemisphere c. Occipital area d. Thalamus
9. Pressure exerted by the CSF while sitting position is
a. 20cm H₂O b. 30cm H₂O c. 10cm H₂O d. 50cm H₂O
10. Autonomic nervous system plays an important role in maintaining
a. Hormonal secretions b. Homeostasis c. Temperature d. Peripheral sensation

PART-B

Answer the following

Answer should not exceed 400 words or two pages

5X 6=30

11. a. Write the functions of brain

(Or)

11. b. Write about the types of immune response.

12. a. Explain the function of placenta

(Or)

12. b. Write about the process of Lactation

13. a. Write about Menstrual cycle

(Or)

13. b. Write brief note on Antigen and antibodies

14. a. Explain the physiology of pain

(Or)

14. b. Explain about the functions of CSF.

15. a. List the endocrine glands and its secretions

(Or)

15.b. Explain the Rods & Cones.

PART-C

Answer these following

Answer should not exceed 800 words or 4 pages

5X 12=60

16. a. Discuss the Thyroid & its function.

(Or)

16. b. Discuss the disorders of posterior pituitary gland

17. a. Describe the sensation of taste in detail

(Or)

17. b. Discuss central auditory mechanism & auditory pathway.

18. a. Discuss the functions of cerebral cortex

(Or)

18. b. Discuss in detail about thalamus & hypo thalamus.

19. a. Write in detail about spermatogenesis & Oogenesis.

(Or)

19. b. Write in detail adrenal gland.

20. a. Discuss the functions of Reticulo-endothelial system

(Or)

20. b. Discuss about the circulation of lymph.

ANSWERS KEYS: Q.1 – b Q.2 – c Q.3 – c Q.4 – b Q.5 – a Q.6 – d
Q.7 – b Q.8 – b Q.9 – b Q.10 – b