



Mavin

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 – June / July 2021
II Semester

Class : I UG
Major : Physician Assistant

Time : 3 Hours
Max. Marks : 100

18BPAC06 Physiology II

Part A
Choose the Correct Answer

10 x 1 = 10

1. Convergence is the movements of both eyes towards
a. nose b. ear c. object d. closed CO1K1
2. Mechanotransduction is the type of sensory transduction in the
a. endolymph b. haircell c. perilymph d. cochlea CO1K1
3. Insulin prevent
a. Glycogenesis b. Gluconeogenesis CO4K1
c. Glucose to fatty-acid d. Fatty- acid to glucose
4. Aldosterone induced high BP decrease the fluid volume of
a. intravascular b. extracellular c. interstitial d. intracellular CO4K1
5. Interferons are glycoprotein acts on the
a. virus b. bacteria c. fungi d. protozoa CO3K1
6. Dentic cells are nonphagocytic in nature found in the following Organs
except
a. spleen b. lymphnodes c. skin d. brain CO3K1
7. Estrogen is degraded and excreted through
a. sweat b. urine c. lymph d. feces CO3K1
8. Testosterone is converted into estrogen in
a. testis b. brain c. kidney d. adrenal gland CO3K1
9. Slow synaptic transmission of impulses are caused by the following amines
except
a. adrenaline b. dopamine c. serotonin d. glutamate CO5K1
10. Fight and Flight reactions construct the blood vessels at
a. carotid b. aortic c. mesentric d. brachial CO5K1

Part B

5 x 6 = 30

Answer ALL questions

Each answer should not exceed 400 words or two pages

- 11.a. Write about visual field. CO2K1
(or)
11.b. Write the auditory pathways. CO2K1
12. a. Write an posterior pituitary harmones. CO2K2
(or)
12. b. Explain the functions of placenta. CO2K1
- 13.a. Write about menstrual cycle. CO3K2
(or)
13.b. Write about antigens and antibodies. CO4K2
14. a. Explain the physiology of pain. CO5K2
(or)
14.b. Explain the functions of cerebellum. CO5K2
- 15.a. Write about parturition and lactation. CO3K2
(or)
15.b. Explain the pathway and functions of CSF. CO5K2

Part C

5 x 12 = 60

Answer ALL questions

Each answer should not exceed 800 words or four pages

- 16.a. Discuss about parathyroid gland and its secretions. CO1K3
(or)
16.b. Discuss in detail the functions of brain. CO5K3
- 17.a. Discuss the secretion of anterior pituitary and Functions of the same harmones. CO2K3
(or)
17.b. Explain in detail the circulation of lymph and formation of T cells. CO2K3
- 18.a. Explain the thyroid function test. CO3K3
(or)
18.b. Explain about spermatogenesis and oogenesis. CO2K2
- 19.a. Discuss immunity and the types of immune response. CO2K2
(or)
19.b. Discuss the developmental functions of Reticulo-endothelial system. CO2K2
- 20.a. Discuss the harmones secreted by adrenal glands and its Effect on the body. CO1K2
(or)
20.b. Discuss the physiology of taste. CO1K2
