Roll No. | | | | | | | | | | | | Total No. of Pages : 03

Total No. of Questions : 22

B.Pharma (2017 & Onwards) (Sem.-2)

HUMAN ANATOMY AND PHYSIOLOGY-II

Subject Code : BP-201T

M.Code : 74967

Time : 3 Hrs. Max. Marks : 75

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.
3. SECTION-C contains NINE questions carrying FIVE marks each and students have to attempt any SEVEN questions.

SECTION-A

Choose correct answer of the following objective type questions :

Q1. They all are true for brain stem, except :

A) Superiorly, it relates to forebrain

B) Inferiorly, it relates to spinal cord

C) Anteriorly, it relates to midbrain

D) Posteriorly, it relates to cerebellum.

Q2. Somatosensory cortex is :

A) sheet of white matter B) area of post central gyrus

C) bundle of axons D) all.

Q 3. Nervous control of the GI tract would be impaired by damage to the :

A) Mucosa B) Muscularis.

C) Sub-mucosa. D) Serosa.

Q4. Cholesterol removal and degradation is the primary function of the :

A) Chylomicrons
B) HDL.
C) LDL
D) VLDL.

Q 5. The volume of air that can be exhaled during forced breathing in addition to tidal volume is :

A) Residual volume
B) Expiratory reserve volume
C) Vital capacity
D) Total lung capacity

Q 6. The outer layer of the kidney, just internal to the fibrous capsule, is the renal :

A) Medulla
B) Column.
C) Pelvis.
D) Cortex.

Q 7. In adults, insufficient thyroxine can lead to :

A) Goiter.
B) Libido
C) Cretinism.
D) Myxedema

Q 8. They all regulate calcium level in blood, except :

A) Cholecalciferol
B) Calcitonin
C) calcineurin
D) PTH

Q 9. Where does fertilization usually take place?

A) Cervix
B) Vagina
C) Uterus
D) Oviduct

Q 10. Alleles are :

A) Linked genes
B) Alternative from of genes
C) Homologous chromosome
D) Cross over chromosome

SECTION-B

Q11. Outline physiological importance of calcium and its regulation in human body.

Q12. How white matter is different from grey matter? Discuss white matter as a part of central nervous system.

Q13. Discuss various mode of cellular communications. Give a detailed classification of hormones.

SECTION-C

Q14. Define Neurotransmission. Outline various steps of neurotransmission.

Q15. Draw cross section of human spinal cord.

Q16. Outline parts of gastrointestinal tract.

Q17. How kidneys regulate acid-base balance?

Q18. Discuss urine formation in detail.

Q19. Write a note on adrenal androgens.

Q20. How gigantism is different from acromegaly?

Q21. Write a detailed note on parturition.

Q22. Explain genetic pattern of inheritance.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.