

VPM's B. N. Bandodkar College of Science, Thane
Human Sciences F.Y.B.Sc; Course- USHSC201
Semester II - 2018-19

Extra
H.S.

Total Marks: 75

Duration: 2.5 hrs

N.B: 1. All questions are compulsory.

2. Figures to the right indicate marks.

3. Draw neat and labeled diagrams wherever necessary

- Q.1) (A) Enlist the prominent features & Functions of Human Skull. (7)
OR
(A) Explain Relationship between Brain size & Intelligence. (7)
(B) Describe Fore brain & Hind Brain with neat labeled diagram (8)
OR
(B) Define Neuro-imaging. Add a note on techniques used in neuro-imaging. (8)
(C) **Attempt any ONE of the following:** (5)
(i) Write a note on Sutures in Skull.
(ii) Enlist the names of bones in Neuro-cranium & Viscero-cranium.
- (C) (A) Explain Peripheral Nervous system. (7)
OR
(A) Explain Autonomic Nervous system. (7)
(B) Explain Conditioned reflex arc & Unconditioned reflex arc. (8)
OR
(B) Explain T.S. Spinal cord with suitable diagram. (8)
(C) **Attempt any ONE of the following:** (5)
(i) Write a note on Types of Ganglia in Sympathetic Nervous system
(ii) Write a note on Mechanism of Reflex action.
- Q.3) (A) Explain Types of Neuron with suitable examples. (7)
OR
(A) Explain the functions of Dopamine & GABA (7)
(B) What are Neurotransmitters? Explain the Function of Acetylcholine. (8)
OR
(B) Explain the function of Glutamate & Serotonin. (8)
(C) **Attempt any ONE of the following:** (5)
(i) Write a note on Nerve transmission.
(ii) Define Biogenic amines. Add a note on Histamine.
- Q.4) **Attempt Any THREE of the following:** (15)
(i) Explain Frontal bone, Mandible, Vomer & Maxilla.
(ii) Write a note on Human Midbrain.
(iii) Write a note on Reflex action.
(iv) Write a note on Parasympathetic Nervous system.
(v) Write a note on Axon.
(vi) Define Catecholamine. Explain the function of Nor-epinephrine & Epinephrine.