

[LQ 6173]

FEBRUARY 2020

Sub.Code : 6173

BOT DEGREE EXAMINATION
(New Regulations for candidates admitted from 2014-2015 onwards)
FIRST YEAR
PAPER III – PHYSIOLOGY

Q.P. Code: 786173

Time: Three hrs**Maximum: 100 Marks****I. Elaborate on:****(2 x 20 = 40)**

1. Describe structure of Neuromuscular junction and events involved in neuromuscular transmission. Add a note on myasthenia gravis.
2. Trace visual pathway and describe effects of lesions at various levels in pathway.

II. Write notes on:**(8 x 5 = 40)**

1. Define anaemia and classify it based on morphology.
2. Composition and functions of pancreatic juice.
3. Posterior pituitary hormones.
4. Hormonal changes during menstrual cycle.
5. Micturition reflex.
6. Define Lung volumes with its normal values.
7. Baroreceptor mechanism.
8. Features of Upper Motor Neuron (UMN) lesion and Lower Motor Neuron (LMN) lesion.

III. Short answers on:**(10 x 2 = 20)**

1. List any two functions of placenta.
2. Normal platelet count and its function.
3. Vital capacity.
4. Define Minute ventilation.
5. Electrocardiogram (ECG).
6. Mention determinants of cardiac output.
7. Name speech areas in brain.
8. Mention any two functions of hypothalamus.
9. Referred pain.
10. Parkinson disease.
