

[LM 6173]

FEBRUARY 2018

Sub.Code : 6173

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

Q.P. Code: 786173

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Draw an Oxygen dissociation curve and describe how oxygen is transported in the blood. Add a note on Hypoxia.
2. Draw a labeled diagram of Neuromuscular junction. Describe the events involved in neuromuscular transmission. Add note on neuromuscular blockers.

II. Write notes on:

(8 x 5 = 40)

1. Composition and functions of saliva.
2. Menstrual cycle.
3. Heart sounds.
4. Waves of ECG in Lead II.
5. Stages of deglutition.
6. A transport mechanisms across cell membrane.
7. Functions of cerebellum.
8. Micturition reflex.

III. Short answers on:

(10 x 2 = 20)

1. Functions of Aqueous humor.
2. Factors affecting cardiac output.
3. Functions of Bile.
4. Vital capacity of Lung.
5. Polycythemia.
6. Referred pain.
7. Reflex arc.
8. Functions of WBC (White Blood Corpuscles).
9. Define blood pressure.
10. Mention four properties of Cardiac muscle.
