

THE TAMIL NADU Dr.M.G.R. MEDICAL UNIVERSITY

[LR 1220]

**DECEMBER 2020
(AUGUST 2020 EXAM SESSION)**

Sub. Code: 6173

**BOT DEGREE EXAMINATION
FIRST YEAR
(New regulations for the candidates admitted from 2014-2015 onwards)
PAPER III – PHYSIOLOGY
*Q.P. Code: 786173***

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define Blood Coagulation. Discuss the mechanisms involved in blood clotting. Add a note on its applied aspects.
2. Discuss Oxygen and Carbon-dioxide transport in detail.

II. Write notes on:

(8 x 5 = 40)

1. Micturition reflex.
2. Bile.
3. Venous return.
4. Endometrial cycle.
5. Posterior pituitary hormones.
6. Properties of synapse.
7. Draw the visual pathway.
8. Neuro-muscular transmission of Impulses.

III. Short answers on:

(10 x 2 = 20)

1. Functions of salivary juice secretion.
2. Heart sounds.
3. Erythroblastosis foetalis.
4. Tidal volume.
5. Cushing's syndrome.
6. Rigor mortis.
7. Reflex Arc.
8. List the refractive errors.
9. Hormonal functions of placenta.
10. Refractory period.
