

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

[AHS 1122]

NOVEMBER 2022

Sub. Code: 2731

B.OPTOM
FIRST YEAR (Regulation 2018-2019)
PAPER I - GENERAL ANATOMY, GENERAL PHYSIOLOGY
Q.P NO. 802731

Time: Three Hours

Answer All questions

Maximum: 100 Marks

I. Elaborate on:

(3 X 10 = 30)

1. Describe the parts and functions of digestive system with a neat labelled diagram.
2. Describe multipolar neuron. Add a note on synapse.
3. Describe the structure of a cell and functions of various cell organelles with a neat labelled diagram.

II. Write notes on:

(8 X 5 = 40)

1. Erythropoiesis.
2. Lung volumes and capacities.
3. Define blood pressure and effects of exercise and posture on blood pressure.
4. Histology of cardiac muscle.
5. Pleura.
6. Parts and functions of pancreas.
7. Diaphragm.
8. Hormones secreted by pituitary gland and their functions.

III. Short answers on:

(10 X 3 = 30)

1. Name the plasma proteins.
2. Functions of saliva.
3. Pedal oedema.
4. Erythrocyte sedimentation rate.
5. Branches of Arch of Aorta.
6. Name the parts of upper respiratory system.
7. Name the neuroglial cells.
8. Hormones secreted by Adrenal gland.
9. Lobes of Cerebrum.
10. Micturition reflex.
