

B.OPTOM
(New Syllabus 2018-2019)

FIRST YEAR

PAPER I – GENERAL ANATOMY, GENERAL PHYSIOLOGY

Q.P. Code: 802731

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on: **(3 x 10 = 30)**

1. Define joints. Explain in details about classification, types, components and movements of synovial joint.
2. Define Erythropoiesis. Explain in details about stages and factors regulating it. Add note on pernicious anemia.
3. Name the respiratory centers. Describe the neural regulation of respiration. Add note on cyanosis

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

1. Structure and signal transmission across neuromuscular junction.
2. Briefly describe the conductive system of Heart.
3. Composition and functions of saliva.
4. Stages and factors affecting spermatogenesis.
5. Enumerate the functions of hypothalamus.
6. Distribution and functions of columnar epithelium.
7. Describe the division, blood and nerve supply and functions of paranasal sinus.
8. Explain the lobes, blood and nerve supply of prostate gland.

III. Short answers on: **(10 x 3 = 30)**

1. Temporary contraceptive methods.
2. Trace the visual pathway.
3. Mention the functions of skin.
4. Mention the plasma proteins and their functions.
5. Differences between dwarfism and cretinism.
6. List the muscles and nerve supply of tongue.
7. Lymphatic drainage of breast.
8. Non excretory Functions of kidney.
9. Mention the hormones of Thyroid gland and list the stages of thyroid hormone synthesis.
10. Refractory errors of the eye and its corrections.
