

B.Sc. CLINICAL NUTRITION
(New Syllabus 2018-2019)

FIRST YEAR

PAPER II – HUMAN PHYSIOLOGY

Q.P. Code: 803002

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Define Erythropoiesis. Explain in detail about stages and factors affecting it. Add a note on pernicious anemia.
2. Define blood pressure and pulse pressure. Briefly describe the short term regulation of blood pressure.
3. Define menarchy. Explain in detail about uterine and ovarian changes during menstrual cycle.

II. Write notes on:

(8 x 5 = 40)

1. Structure and signal transduction of Neuromuscular Junction.
2. List the functions of lymph.
3. Stages and factors affecting spermatogenesis.
4. Functions of Skin.
5. Structure and functions of Juxtaglomerular apparatus (JGA).
6. Composition and functions of saliva.
7. Refractory errors and its correction.
8. List the functions of thyroxine.

III. Short answers on:

(10 x 3 = 30)

1. Mention the functions of mitochondria.
2. What are types and functions of Hemoglobin?
3. Mention the lung volumes and its normal values.
4. Name the hormones of posterior pituitary and their functions.
5. Functions of neuroglial cells.
6. List the functions of placenta.
7. Test for Hearing.
8. Mention the parts of conductive system of heart.
9. Mention the functions of Hydrochloric acid (HCL).
10. List the puberty changes in male.
