

[MBBS 0221]

FEBRUARY 2021

Sub.Code :6053

**M.B.B.S. DEGREE EXAMINATION
FIRST YEAR
PAPER I – PHYSIOLOGY**

Q.P. Code: 526053

Time: Three hours

Maximum : 100 Marks (80 Theory + 20MCQS)

Answer All Questions

I. Essay:

(2 x 15 = 30)

1. Describe the physiological roles of the different types of leucocytes circulating in blood. Add a note on functions of lymphocytes in viral infection.
2. Describe the digestion and absorption of proteins in the digestive tract. Write a note on malabsorption.

II. Write notes on:

(10 x 5 = 50)

1. Classify the fluid compartments of body giving their normal values, mention two methods to determine E.C.F. volume.
2. Transport across cell membrane.
3. Structure and functions of Neuromuscular junction.
4. Tissue macrophage system.
5. Non-excretory functions of kidney.
6. Cystometrogram and its significance.
7. Secretion of HCl in stomach and its regulation.
8. Regulations of blood calcium levels.
9. Spermatogenesis and seminal analysis.
10. Female contraceptive methods for birth control.