

[LP 502]

AUGUST 2019

Sub.Code :5053

**M.B.B.S. DEGREE EXAMINATION
FIRST YEAR
PAPER III – PHYSIOLOGY INCLUDING BIO-PHYSICS - I**

Q.P. Code: 525053

Time: Three hours

Maximum : 50 Marks

Answer All Questions

I. Essay:

(1 x 10 = 10)

1. Discuss the molecular basis of skeletal muscle contraction. Add a note on Rigor Mortis.

II. Write notes on:

(5 x 4 = 20)

1. Complement system for antibody action.
2. Non-excretory functions of kidneys.
3. Glucose transporters.
4. Steps in spermatogenesis.
5. Erythroblastosis fetalis.

III. Short answers on:

(10 x 2 = 20)

1. Apoptosis.
2. Functions of aldosterone.
3. Megaloblastic anaemia.
4. Filtration fraction.
5. Gigantism.
6. Atonic bladder.
7. Absorption of carbohydrates in the food.
8. Mast cells.
9. Milk let-down reflex.
10. Shape of erythrocytes.
