

[LH 502]

AUGUST 2015

Sub.Code :4053

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

Q.P. Code: 524053

Time: Three hours

Maximum : 50 Marks

Answer All Questions

I. Elaborate on:

(1 x 10 = 10)

1. Describe the mechanism of coagulation of blood.

II. Write notes on:

(2 x 5 = 10)

1. Cushing's syndrome.
2. Succus entericus.

III. Short answers on:

(10 x 3 = 30)

1. Resting membrane potential.
2. Define all or none law. How is this law applicable in the skeletal and cardiac muscle.
3. Name the muscle proteins. What is the role of troponin c in muscle contraction.
4. Inulin clearance.
5. Countercurrent exchanger mechanism in kidney.
6. Somatomedin.
7. Action of thyroxine on CVS.
8. Positive feedback mechanism.
9. How does temperature influence spermatogenesis?
10. Effects of oestrogen on the uterine endometrium.
