

[LN 502]

AUGUST 2018

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. Explain in detail synthesis, secretion and functions of thyroid hormone. Add a note on cretinism.

**II. Write notes on:** **(5 x 4 = 20)**

1. T Lymphocyte.
2. Properties of smooth muscle.
3. Counter current system in kidney.
4. Composition and functions of pancreatic juice.
5. Female contraception.

**III. Short answers on:** **(10 x 2 = 20)**

1. Neuro muscular blockers.
2. Na<sup>+</sup>K<sup>+</sup> ATPase pump.
3. Endocytosis.
4. Fibrinolytic agents.
5. Crossmatching.
6. Secretin.
7. Enteric nervous system.
8. Mention two substances used for measuring total body water and ECF volume.
9. Loop diuretics.
10. Neuro endocrine reflex.

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