

[LG 502]

FEBRUARY 2015

Sub.Code :4053

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

*Q.P. Code: 524053*

**Time: Three hours**

**Maximum : 50 Marks**

**Answer All Questions**

**I. Elaborate on:**

**(1 x 10 = 10)**

1. Describe the synthesis, storage, release, functions and regulation of secretion of thyroid hormone. Add a note on hypothyroidism.

**II. Write notes on:**

**(2 x 5 = 10)**

1. Give an account on micturition
2. Classify the blood groups and indications and complications of blood transfusion

**III. Short answers on:**

**(10 x 3 = 30)**

1. Fetoplacental unit
2. Importance of dietary fibres
3. Neuromuscular transmission
4. ESR-clinical significance
5. Movements of small intestine
6. Diabetes Insipidus
7. Red cell indices
8. Extracellular edema
9. Functions of Sertoli cells
10. Tests for ovulation

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