

[LF 502]

AUGUST 2014

Sub.Code :4053

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

*Q.P. Code: 524053*

**Time: Three hours**

**Maximum : 50 Marks**

**Answer All Questions**

**I. Essay:**

**(1x10=10)**

1. What is the composition of gastric juice? Describe the mechanism of HCl secretion. Give a detailed account on the regulation of gastric secretion.

**II. Write Notes on:**

**(2 x 5=10)**

1. Hypersecretion of growth hormone
2. Tissue macrophage system

**III. Short Answers on:**

**(10 x3=30)**

1. Permissive action of hormone
2. Role of Vitamin D in Calcium Homeostasis.
3. Contraception in males
4. Corpus luteum
5. Vitamin-K dependent clotting Factors.
6. Atonic bladder
7. Functions of skin
8. Secondary active transport
9. Motor unit
10. Refractory period

\*\*\*\*\*