

[LJ 502]

AUGUST 2016

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. What is glomerular filtration rate (GFR)? Enumerate the factors affecting GFR.

**II. Write notes on:**

**(2 x 5 = 10)**

1. Facilitated diffusion.
2. Control of insulin secretion.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Hemophilia.
2. Differentiate between isotonic and isometric contraction.
3. Erythropoietin.
4. Compound action potential.
5. Gastrin.
6. Addisonian crisis.
7. Law of gut.
8. Intestinal phase of pancreatic secretion.
9. Inhibin.
10. Functions of prostate gland.

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