

[LJ 502]

AUGUST 2016

Sub. Code : 4053

FIRST 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. Essay :**(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.
