

[LH 6173]

AUGUST 2015

Sub.Code : 6173

FIRST YEAR BOT EXAMINATION
(New Regulations for the candidates admitted from 2014-2015 onwards)
PAPER III – PHYSIOLOGY

Q.P. Code: 786173

Time: Three hours

Maximum: 100 marks

I. Elaborate on:

(2 x 20 = 40)

1. What is GFR? Describe in detail the factors affecting it? Add a note on its estimation.
2. Name the hormones involved in menstrual cycle. Describe the changes in uterus and ovary during different phases of menstrual cycle.

II. Write notes on:

(8 x 5 = 40)

1. Chemical regulation of respiration.
2. Placental hormones.
3. Synapse.
4. Lactation.
5. Short term regulation of blood pressure.
6. Cerebral Cortex.
7. Extrinsic mechanism of coagulation.
8. Auditory pathway.

III. Short answers on:

(10 x 2 = 20)

1. Composition of gastric juice.
2. Types of T cells.
3. Grave's disease.
4. Parts of cerebellum.
5. Myofilaments.
6. What is Parturition?
7. Name four enzymes of pancreatic juice.
8. What is Innate immunity?
9. Catecholamines.
10. Taste buds.
