

[LJ 6253]

AUGUST 2016

Sub. Code: 6253

**BPT EXAMINATION
FIRST YEAR
PAPER III – PHYSIOLOGY AND APPLIED PHYSIOLOGY**

Q.P. Code: 746253

Time: Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define Erythropoiesis. Explain the different stages of Erythropoiesis. List the factors influencing Erythropoiesis.
2. Explain in detail about the molecular mechanism of Skeletal muscle contraction with a neat diagram.

II. Write notes on:

(8 x 5 = 40)

1. Mechanism of secretion of hydrochloric acid in stomach.
2. Renin – angiotensin system.
3. Actions of thyroid hormone.
4. Hormonal regulation of menstrual cycle.
5. Conducting system of heart.
6. Non-respiratory functions of lung.
7. Cerebrospinal fluid.
8. Errors of refraction.

III. Short answers on:

(10 x 2 = 20)

1. What is apoptosis?
2. Name any four Gastro Intestinal Hormones.
3. Name the types of sweat glands. Mention any two differences between them.
4. Name the different ways by which heat loss occurs in our body.
5. What is Diabetes Mellitus?
6. Functions of Sertoli cells.
7. Draw and mark the normal waves of Electrocardiogram.
8. Define vital capacity.
9. Mention any two uses of Electroencephalogram.
10. Name any two tests for hearing.
