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[BPT 0321] MARCH 2021 Sub. Code: 6274

(AUGUST 2020 EXAM SESSION)

BPT DEGREE EXAMINATION
FIRST YEAR
(New regulations for the candidates admitted from 2017-2018 onwards)
PAPER III – PHYSIOLOGY AND APPLIED PHYSIOLOGY
Q.P. Code: 746274

Time: Three hours **Answer ALL Questions** **Maximum: 100 Marks**

I. Elaborate on: **(2 x 15 = 30)**

1. What is a Synapse? Classify synapse. Explain the properties of synapse.

2. Define Erythropoiesis. Explain the different stages of Erythropoiesis. List the factors influencing Erythropoiesis.

II. Write notes on: **(10 x 5 = 50)**

1. Blood Groups.
2. Calcitrophic Hormones.
3. Write about Sarcomere.
4. Hormonal Regulation of menstrual cycle.
5. Explain Spermatogenesis with diagram.
6. Functions of glucocorticoids.
7. Functions of plasma proteins.
8. Types of Jaundice.
9. Effects of exercise on cardiovascular system.
10. Actions of insulin.

III. Short answers on: **(10 x 2 = 20)**

1. Define Homeostasis.
2. Action potential.
3. Functions of kidney.
4. Functions of Cerebellum.
5. Write about in vitro and in vivo Anticoagulants.
6. Refractory perio
7. Saltatory Conduction.
8. Hormones secreted by the posterior pituitary glan
9. Write about Neuroglia.
10. What is Cyanosis.

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