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[LQ 6274] **FEBRUARY 2020** Sub. Code: 6274

BPT DEGREE EXAMINATION
FIRST YEAR
(Regulations for the candidates admitted from 2017-2018 onwards)
PAPER III – PHYSIOLOGY AND APPLIED PHYSIOLOGY

Q.P. Code: 746274

Time: Three hours **Maximum : 100 Marks**

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

1. Describe the pathway for Pain in detail. Add a note on Referred pain.

2. Define Glomerular Filtration Rate (GFR). Describe the mechanism of glomerular filtration and the various factors affecting it. Discuss in detail the regulation of GFR.

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

1. Facilitated Diffusion.
2. Humoral Immunity.
3. Myasthenia Gravis.
4. Jugular Venous Pressure.
5. Cardio-respiratory changes during exercise.
6. Ovarian cycle.
7. Peptic Ulcer.
8. Auditory pathway.
9. Hypoxia.
10. Synapse.

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

1. Reticulocyte.
2. Starling forces acting on capillary wall.
3. Sarcotubular system.
4. Gastrin.
5. Einthoven's triangle.
6. Functional Residual Capacity.
7. Heart sounds.
8. Placental hormones.
9. Olfactory Pathway.
10. Inverse stretch reflex.

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