February 2009

[KU 906] **Sub. Code: 6112**

BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION
First Year
Non-Semester Regulations
Second Semester New modified Regulations
(Common to all regulations)
(Common to BPT and BOT Examinations)
Paper III – PHYSIOLOGY
Q.P. Code : 746112

Time : Three hours **Maximum : 100 marks**

Answer All questions
Draw suitable diagrams wherever necessary

I. Essays: **(2 x 15 = 30)**

1. Define Erythropoiesis. Explain the various stages of erythropoiesis and factors influencing the erythropoiesis. Add a note on anaemia.

2. Explain the physiological anatomy of cerebellum and give details about the cerebellar function tests.

II. Short Notes: **(10 x 5 = 50)**

1. Homeostasis and feed back mechanism.
2. Blood brain barrier.
3. Reticulo endothelial system.
4. Insulin and its functions.
5. Adrenergic receptors.
6. Peripheral vascular resistance.
7. Haemoglobin and haemoglobinopathies.
8. Glucose threshold of kidney.
9. Stress.
10. Hypoxia.

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

1. Physiological apnoea.
2. Law of intestine.
3. Draw diagram of conductive system of heart.
4. Name the tracts of extra pyramidal system.
5. Accomodation reflex.
6. Dysdiadokinesia.
7. CCK- PZ and its function
8. Apoptosis.
9. Define ESR and give normal values of ESR.
10. Wallerian degeneration.

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August 2009

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Paper III – PHYSIOLOGY

Q.P. Code : 746112

Time : Three hours **Maximum : 100 marks**

Answer All questions

Draw suitable diagrams wherever necessary

I. Essays: **(2 x 15 = 30)**

1. Define blood pressure and its various components. Write about the short term and long term regulations of blood pressure. Add a note on Hypertension.
2. Name the ascending tracts of the spinal cord. Describe the origin, course and termination of the ascending tracts in the dorsal white column of the spinal cord. What are the sensations carried by these tracts?

II. Short Notes: **(10 x 5 = 50)**

1. Cytoskeleton of cell.
2. Respiratory centre.
3. Micturition reflex and its control.
4. Functions of thyroid hormone.
5. Contraception.
6. Anaemia.
7. Isometric muscle contraction.
8. Colour vision.
9. Functions of saliva.
10. Cushing's syndrome.

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

1. Troponin.
2. Ankle Jerk and its applied aspects.
3. Na+ K+ pump.
4. Conduction deafness.
5. What is Bile?
6. Polycythemia.
7. Classification of WBCs.
8. Phases of cardiac cycle.
9. Functions of placenta.
10. Functions of Haemoglobin.

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