Q.P. Code: 104001 Reg. no.:	
First Professional MBBS Degree Examinations, August 2013	
PHYSIOLOGY Paper II	
Time: 3 Hours • Answer all questions • Draw Diagrams wherever necessary Long essay	arks: 50 (10)
 A 50 years old patient of hypertension suddenly developed weakness of right to lower extremities and difficulty is speaking following a brief episode of consciousness. On examination motor tone of his right extremities was for increased. Answer the following questions based on your knowledge in physiol. What would an examination of power and deep tendon reflexes of the patie. What would examination of the plantar reflex of the patient most likely revea. Explain the physiological basis of the findings of deep tendon reflexes in this. What is the most likely clinical diagnosis of his condition. 	f loss of and to be ogy: nt reveal
Short essays	(2x5 =10)
Metabolic effects of insulin Denervation hypersensitivity	
Answer briefly	(5x3=15)
 4. Accommodation reflex 5. Pituitary dwarfism 6. Parkinsonism 7. Features of cerebellar lesions 8. Ovarian cycle . 	
Draw and label	(2x2½=5)
Length-tension relationship in skeletal muscle Watd's visual cycle	

(5x2=10)

Explain the physiological basis of the following

12. Intra-uterine contraceptive devices prevent pregnancy

13. Diaphragmatic pain is felt at the tip of the shoulder

14. Patients of acromegaly may develop diabetes

15. Cardiac muscle cannot be tetanised

11. Patients with sensory ataxia lose balance on closing their eyes