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First Professional MBBS Degree Supplementary Examinations

February 2017

PHYSIOLOGY – Paper II

Time: 3 Hours Tota	al Marks: 50
Answer all questions	
Draw Diagrams wherever necessary Long essay	(10)
	(10)
 An elderly man was admitted to the hospital with complaints of intense cerpain with radiation to left arm. Answer the following questions based on yo knowledge in physiology: What is the cause of the pain in the left arm and explain its mechanism. Describe the pain pathway in detail. Mention gate control theory of pain sensation 	
Short essays	(2x5 =10)
 Effects of hypo secretion of growth hormone Events during neuromuscular transmission of impulse in skeletal muscle 	
Answer briefly	(5x3=15)
 4. Reciprocal innervation. 5. Paradoxical sleep. 6. Milk ejection reflex. 7. Dark adaptation 8. Cerebellum in voluntary activity Draw and label 9. Taste pathway	
Draw and label	(2x2½=5)
 Taste pathway Feedback regulation of thyroid hormone secretion 	
Explain the physiological basis of the following	(5x2=10)
 Renshaw cell inhibition Safe period Sterility in undescended testis Neuromuscular hyper excitability in tetany Masking in audition 	

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