First Professional MBBS Degree Supplementary Examinations November 2020

Physiology – Paper II

 Time: 3 Hours Answer all questions to the point neatly and legibly • Do not leave any blank p answers • Indicate the question number correctly for the answer in the mar Answer all parts of a single question together • Leave sufficient space betwee Draw table/diagrams/flow charts wherever necessary 	rgin space en answers
Long essay	(10)
1. A patient with parathyroid hormone deficiency 10 days after inadvertent of	lamage to
parathyroid glands during thyroid surgery. Answer the following question	s based on
your knowledge in physiology:	
 Explain the mechanisms underlying two clinical signs of parathyroid h deficiency 	ormone
 Describe the physiological actions of parathyroid hormone 	
 Mention the normal blood calcium level and add a note on significance 	e of
intracellular calcium	(2+5+3)
Short essays	(2x5=10)
2. Describe any five functions of oestrogen	
3. Describe colour blindness	
Answer briefly	(5x3=15)
 Functions of cerebellum Impedence matching Babinski sign List clinical features of cretinism Capacitation of sperms 	
Draw and label	(2x2½=5)
9. Nerve action potential in relation to ionic fluxes	
10. Pyramidal tract	
Explain the physiological basis of the following	(5x2=10)
 11. Referred pain 12. Copper – T 13. Tympanic reflex 14. Vestibulo ocular reflex 	
15. Non shivering thermogenesis	
