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2010 Scheme

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Q.P. Code:	104001	Reg. No.:
First Professional MBBS Degree Supplementary Examinations July 2025		
Physiology – Paper II		
answersAnswer	rs all questions to the point neatly and legibly • Indicate the question number correctly all parts of a single question together • Lead ble/diagrams/flow charts wherever necessal	of or the answer in the margin space over the sufficient space between answers
Long essay	ne diagrams now charts wherever necessar	(10)
1. A 65-year	-old male, known to have long-standing	diabetes and hypertension, presents
to the hos	pital with the sudden onset of paralysis	affecting the right side of his body.
There was	s no history of trauma. On examination,	he is alert but unable to move his right
arm and le	eg voluntarily.	
a) De	scribe the origin, course, and terminatio	n of the pyramidal tract with a neat,
lab	elled diagram	(4)
b) Ph	ysiological basis for hypertonia and Bab	inski sign in this patient (3+3)
Short essays		(2x5=10)
-	the functions of glucocorticoids	
3. Describe	the excitation - contraction coupling in s	keletal muscles
Answer briefly (5x3=1)		
4. Insulin – li	ke growth factors	
5. Describe	positive feed back with two examples	
6. Functions	of the middle ear	
7. Fight-fligh		
8. Accommo	dation reflex	
Draw and lal	pel 18	(2x2½=5)
9. Dorsal col	umn tract	
10. Hormonal	and ovarian changes in the Menstrual	cycle
	physiological basis of the following esterase drugs in treating myasthenia g	(5x2=10) ravis
12. Dark adap	otation	
13. Referred	pain	
14. Cretinism		

15. Intrauterine contraceptive devices