Physiology – Paper II	
Time: 3 Hours Total Marks: 5	50
Answer all questions Draw Diagrams wherever necessary Long essay (1)	0)
1. A married female aged 25 years has history of amenorrhoea for three months. She	
also has early morning sickness. Answer the following questions based on your	
knowledge in physiology:	
 What is your diagnosis Describe one test to confirm your diagnosis Describe neuroendocrine reflex in parturition and lactation 	
Add a note on foeto-placental unit (1+2+5+)	2)
Short essays (2x5=1	0)
2. Describe the connections and functions of cerebellum	
3. Explain impedance matching occurring in the ear and describe the tympanic reflex	
Answer briefly (5x3=1	5)
4. Referred pain	
5. Law of projection	
6. Functions of progesterone	
7. Steps in thyroid hormone synthesis	
8. Normal EEG waves	
Draw and label (2x2 ¹ / ₂ =	5)
9. Visual pathway.	
10. Hormonal changes during a normal menstrual cycle.	
Explain the physiological basis of the following (5x2=1	0)
11. Hypothalamic disorders results in obesity	
12. Sodium-potassium pump helps to maintain RMP in a neuron	
13. Liver plays a major role to produce hyperglycaemia in diabetes mellitus	
14. Pyramidal tract lesions produces exaggerated deep tendon reflexes	

15. Deficiency of somatomedins in human beings may result in dwarfism

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