

2010 Scheme

Q.P. Code: 104001

Reg. No.:

First Professional MBBS Degree Supplementary Examinations July 2022

Physiology – Paper II

Time: 3 Hours

Total Marks: 50

- Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space
- Answer all parts of a single question together • Leave sufficient space between answers
- Draw table/diagrams/flow charts wherever necessary

Long essay

(10)

1. A 40 year old female complains of feeling very weak. Her arms and legs were thin but abdomen, back and face were full with deposition of fat. There were 'reddish purple striae' in the skin of her abdomen. She also noticed that minor injuries were taking a long time to heal.

. What is the endocrine abnormality in this subject

. What are the causes for the above clinical features in this subject

. Explain the functions and the regulation of the hormone involved in the above condition." (1+3+4+2)
(2x5=10)

Short essays

2. Properties of Synapse

3. Explain the mechanism of hearing

Answer briefly

(5x3=15)

4. Hormonal contraceptives

5. Ionic basis of Action potential

6. Role of muscle proteins in muscle contraction

7. Parkinson's disease

8. Spermatogenesis

Draw and label

(2x2½=5)

9. Visual pathway

10. Dorsal column pathway

Explain the physiological basis of the following

(5x2=10)

11. Hemiplegia

12. Wallerian degeneration

13. Pain of appendicitis felt around the umbilicus

14. Fight or flight reaction

15. Dark adaptation