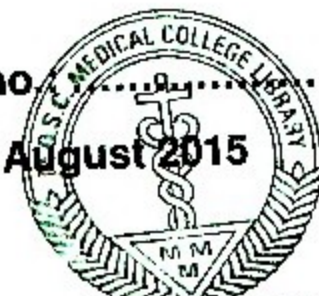


Q.P. Code: 104001

Reg. no.

First Professional MBBS Degree Examinations - August 2015

PHYSIOLOGY – Paper II



Total Marks: 50

Time: 3 Hours

- Answer all questions
- Draw Diagrams wherever necessary

(10)

Long essay

1. A 33 years old woman complained of weight gain. Round face, thinning of her limbs and increased bruising of skin with discoloration on her prominent abdomen. Answer the following questions based on your knowledge in physiology :

- What is the probable endocrinological disorder
- What investigations are needed for confirmation of the diagnosis and follow- up (1+4+5=10)
- Mention the major manifestations and their physiological basis (2x5 =10)

Short essays

2. Excitation –contraction coupling.
3. Gate control theory of pain

(5x3=15)

Answer briefly

4. Mode of action of peptide hormone
5. Brown-sequard syndrome
6. Functions of thalamus
7. Safe period
8. Adreno-genital syndrome

(2x2½=5)

Draw and label

9. Taste pathway
10. Neuron

(5x2=10)

Explain the physiological basis of the following

11. Babinski's sign in new born
12. Polyuria in diabetes mellitus
13. Phantom limb
14. Dark adaptation
15. Presbyopia
