



PAPER CODE: MB2019106

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FIRST MBBS DEGREE EXAMINATIONS: MARCH, 2022

PHYSIOLOGY (NEW REGULATION) PAPER-II

Time: 3 Hours

Max Marks: 100

Note: Answer all questions.

Give Diagrammatic representation wherever necessary.

Write Long Answer on the following Questions:

2 X15 = 30

1. A person complains of uncontrollable urge to sleep during day time with loss of muscle tone.

a) Name the above disorder.

b) What are the types of sleep? Explain in detail about the different types of sleep.

c) Describe the main features of normal EEG with a neat labelled diagram.

(2+8+5)

2. A 40 year old female presented to clinic complaining of excessive tiredness, intolerance to cold, loss of hair and constipation. She also says that she has recently gained weight without significant increase in intake of food.

a) What is the probable diagnosis of the above condition?

b) Write in detail about synthesis of the above hormone.

c) Write in detail about functions of the above hormone.

(2+7+6)

Write Short Answer on the following Questions:

8X5=40

3. Dorsolateral Columns of Spinal cord.

4. Autonomic functions of Hypothalamus.





5. Functions of Cortisol.
6. Visual pathway.
7. Neuromuscular Junction.
8. Properties of Cardiac Muscle.
9. Regulation of Menstrual Cycle.
10. Spermatogenesis.

Write Very Short Answer on the following Questions:

10X3=30

11. Global aphasia.
12. Differences between UMN and LMN lesions.
13. Parkinsonism.
14. Dark adaptation.
15. Impedance matching.
16. Oral Contraceptives.
17. Turner's Syndrome.
18. Motor end plate.
19. Wallerian degeneration.
20. Heat stroke.
