

Madhya Pradesh Medical Science University, Jabalpur
MBBS First Professional (Supplementary) Examination July-2023
Subject- Physiology (Old Scheme)
Paper-II
Paper Code-23BM0000100552

Time: 3:00 Hours

Maximum Marks :50

Instructions:

- a) All questions are compulsory
- b) Draw diagrams wherever necessary
- c) Answers of Questions and Sub questions must be written strictly according to the serial order of question paper.

Q.1 Long Answer Questions**2x5=10**

- a. Describe the course of Pyramidal tracts and write its functions.
- b. Describe the biosynthesis of thyroid hormone with a note on its disorders.

Q.2 Short Answer Questions**10x3=30**

- a. Draw a labelled diagram of auditory pathway.
- b. Transmission of impulse across neuromuscular junction.
- c. Ovarian cycle.
- d. What is Gate control theory of Pain.
- e. Cushing's syndrome.
- f. Colour blindness.
- g. Write Erlanger grasser classification of nerve fibres.
- h. What is latch phenomenon.
- i. Functions of Basal Ganglia.
- j. What is Renshaw cell inhibition.

Q.3 Very Short Answer Questions**10x1=10**

- a. Enumerate 2 difference between cretin and dwarf.

- b. Name any four properties of Synapse.
- c. Give any 2 features of cerebellar ataxia.
- d. Functions of Semicircular canals.
- e. What is the cause of trousseau sign.
- f. Define chronaxie and rheobase.
- g. What are the features of Heat stroke?
- h. Skeletal muscle relaxation is an active process. Justify.
- i. 2 Differences between lower motor and upper motor neuron lesion.
- j. Name any four hormones secreted by Anterior Pituitary gland.

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