

Madhya Pradesh Medical Science University, Jabalpur**MBBS First Professional Examination Feb-2022****Paper Code- 22BM0000100552****Subject- Physiology (Old Scheme)****Paper-II**

Time:3 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.
- d) Subjective Answer should be answered in up to 30 words per marks. For example if a question having 2 marks answer should be answered in up to 60 words.

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

- a. Explain uterine changes taking place during Menstrual cycle.
- b. Name the functional division of cerebellum. Describe the functions of Cerebellum.

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

- a. Write any three properties of skeletal muscle.
- b. Functions of Thyroxine Hormone.
- c. Describe the physiological basis of visual field defects produces by lesions at different levels of visual pathway.
- d. Functions of Sertoli cells.
- e. Role of Hypothalamus in temperature regulation.
- f. Write various steps of excitation contraction coupling mechanism in flow chart.
- g. Referred pain.
- h. Antidiuretic hormone.
- i. Role of Inner ear in hearing.
- j. Parturition.

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

- a. Any two functions of Progesterone.
- b. Name of two Inhibitory Neurotransmitters.
- c. Name hormone secreted by posterior pituitary.
- d. Define Sarcomere.
- e. Reflex arc.
- f. Cause of Cushing syndrome.
- g. List the indicators of ovulation.
- h. Define receptor.
- i. Name the Nuclei of Basal Ganglia.
- j. Two Properties of synapse.
