

Madhya Pradesh Medical Science University, Jabalpur**MBBS First Professional Examination Dec-2022****Paper Code- 22BM0000100552****Subject- Physiology (Old Scheme)****Paper-II****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. Define the uterine changes during menstrual cycle.
- b. Name the functional division of cerebellum. Describe the functions of Cerebellum.

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

- a. Cushing syndrome.
- b. Draw labeled schematic diagram of visual pathway.
- c. Define Synapse and describe any five of its properties.
- d. Effects of lesion on pyramidal tract at the level of internal capsule.
- e. Functions of hypothalamus.
- f. Functions of CSF
- g. Phantom limb
- h. Define spermatogenesis. Summarize the steps of spermatogenesis.
- i. Write briefly about regulation of body temperature in cold weather
- j. Write various steps of excitation contraction coupling mechanism in flow chart.

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

- a. Define Learning & Memory.

- b. Impedance matching by the middle ear.
- c. Weber-Fechner Law.
- d. What is motor unit?
- e. Name the hormones secreted from adrenal medulla.
- f. Define Sarcomere.
- g. Enumerate hormones secreted by anterior pituitary.
- h. Actions of prolactin.
- i. List the indicators of ovulation.
- j. Name the Nuclei of Basal Ganglia.

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