

Madhya Pradesh Medical Science University, Jabalpur
MBBS First Professional (Supplementary) Examination July-2023
Subject- Physiology (Old Scheme)
Paper-I
Paper Code-23BM0000100551

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 ventricular events of cardiac cycle in detail.
- b. What is erythropoiesis? Describe its stages with the help of schematic diagram and add a note on regulation of erythropoiesis.

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

- a. Peristalsis.
- b. Diffusion.
- c. Functions of WBCs.
- d. Well labelled diagram of Cystometrogram.
- e. GFR.
- f. Functions of surfactant.
- g. Cardiac output.
- h. Physiological jaundice.
- i. Extrinsic pathway of blood coagulation.
- j. Hering-Breuer inflation reflex.

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

- a. Define Homeostasis with one example of positive feedback mechanism.

- b. Types of T-Cells.
- c. Enumerate functions of plasma proteins.
- d. What is windkessel effect.
- e. Name of medullary respiratory centres.
- f. Name of baroreceptors.
- g. Name of renal clearance tests (any two).
- h. Examples of primary and secondary active transport mechanism.
- i. Names of Bile salts.
- j. Loop diuretics.

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