

Madhya Pradesh Medical Science University, Jabalpur

BHMS First Year (Main & Supplementary) Examination Oct-2023

Subject PHYSIOLOGY

Paper -1

Paper Code - 23AH0000101381

Time: 3Hours

Maximum Marks: 100

Instructions:

- 1) All questions are compulsory.
- 2) Draw diagrams wherever necessary,
- 3) Answers of Questions and Sub questions must be written strictly according to the serial order of question paper, otherwise the question shall not be value.
- 4) Do not write anything on the blank portion of the question paper if written anything, such type of act will be considered as an attempt to resort to unfair means.

Q.1 Very short answer question (Any Ten) (Maximum 30-50 words)

- a. Homeostasis
- b. Cell Junctions
- c. RE System
- d. Tidal Volume.
- e. Surfactant
- f. Core temperature

g. Erythrocyte Sedimentation Rate (ESR)

h. Mitochondria.

i. Define facilitated diffusion.

J. Anaemia

k. Pieta

l. ECG Lead.

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Q.2 Short Answer question (Any Ten) (Maximum 150-200 words)

a. Compare features of Skeletal and Cardiac Muscle Fibers?

b. Juxtaglomerular Apparatus.

c. Cell mediated immunity.

d. Plasma Protein

e. Heart Sound

f. Extrinsic Mechanism of Blood Coagulation

g. Blood Group

h. Structure & functions of Skin

i. Micturition Reflex

j. Factors Affecting Body Temperature

k. Neuromuscular Junction

l. Rigor Mortis.

Q.3 Essay type question (Any Three) (Maximum 250-300 words)

- a. Explain Erythropoiesis in detail and its factors affecting?
- b. Transport of Respiratory Gases in detail?
- c. Describe Cardiac cycle in detail?
- d. Explain Urine formation in detail?