

MP Medical Science University, Jabalpur
Paper Code : 17BP0000101721

B.P.TH. 1st Year Supplementary Examination January – 2018
HUMAN PHYSIOLOGY

Time : 3 Hours Maximum Marks : 100

Note :

- (a) All questions are compulsory to answer.
- (b) Draw diagrams wherever necessary.
- (c) Answer of question and sub question must be written strictly according to the serial order of question paper.

Q. No. 1 Very short answer the question (50–60 words) 2 × 10 = 20

- a. Define sarcomere. Write normal length of sarcomere.
- b. Define homeostasis. Give two examples of homeostasis.
- c. Name different organelles of a cell.
- d. Write composition of blood.
- e. Define synapse. Write types of synapses.
- f. Define receptors. Give examples of receptors.
- g. Write functions of liver.
- h. Define cardiac output. Write its normal value.
- i. What is Tidal Volume? Write its normal range.
- j. Hormones of Adrenal Gland.

Q. No. 2 Short Answer the question (250–500 words) 10 × 5 = 50

- a. Wallerian Degeneration
- b. Intrinsic Mechanism of blood coagulation
- c. Cell Mediated Immunity
- d. Functions of Cerebellum
- e. How oxygen is transported in body

Q. No. 3 Essay type question any two (450–500 words) 15 × 2 = 30

- a. Describe mechanism of skeletal muscle contraction.
- b. Name hormones of thyroid gland. Describe physiological actions of hormones of thyroid gland.
- c. Structures and properties of cardiac muscle.