



BS-4651

Seat No. _____

First Year M. B. B. S. Examination

April - 2021

Physiology : Paper-2

Time : **3** Hours]

[Total Marks : **50**

SECTION - I

1 Describe the functions and abnormalities of cerebellum. **8**

OR

Explain the functions and disorders related to hypothalamus.

2 Write note on (any **Two**) : **8**

(a) Sarcomere OR Neuromuscular transmission

(b) Auditory pathways OR Taste sensation.

3 (a) Discuss the mechanism of accommodation. **5**

Write briefly about Myopia.

(b) Explain briefly : **4**

(1) What is law of projection ?

(2) Flaccidity is seen in lower motor neurone lesions.

(3) Cardiac pain is felt on left arm.

(4) Energy is utilized in both- contraction and relaxation of muscle.

SECTION - II

- 4 Describe the functions of growth hormone in health and disease. 8

OR

Discuss the hormones involved in the process of lactation.

- 5 Write note on (any **Two**) : 8
- (a) Ovulation OR Testosterone
 - (b) Mechanism of hormone action OR Posterior pituitary hormones.
- 6 (a) Discuss the phases of menstrual cycle. 5
- (b) Explain briefly : 4
- (1) Muscles become stiff few hours after death.
 - (2) Cones are necessary for colour vision
 - (3) Cyclic AMP acts as a second messenger.
 - (4) Positive feedback control systems help child birth.