



**DDG-M201633**

Seat No. \_\_\_\_\_

**First Year B. H. M. S. Examination**

**August - 2022**

**Physiology : Paper - II**

Time : 3 Hours]

[Total Marks : 100

- Instructions :** (1) Write each section in separate answer book.  
(2) Draw diagrams wherever necessary.  
(3) Figures on the right side indicate marks.

**SECTION - I**

- 1 Explain the composition, functions and regulation of secretion of pancreatic juice. **15**
- 2 Enumerate the hormones secreted by pituitary gland. Describe the actions and regulation of secretion of growth hormone. **15**

**OR**

- 2 Enumerate the corticosteroids. Describe the actions and regulation of secretion of aldosterone. **15**
- 3 Write short notes : (any **four**) **20**
- (a) Functions of Saliva
  - (b) Cushing's syndrome
  - (c) Essential Amino Acids
  - (d) Vitamin A
  - (e) Diet during Pregnancy.

## SECTION - II

- 4 Describe the structure of internal ear and explain auditory pathway. 15
- 5 What is synapse ? Explain the structure, function and properties of synapse. 15

OR

- 5 Define menstrual cycle. Explain ovarian changes taking place during menstrual cycle. 15
- 6 Write short notes : (any **four**) 20
- (a) Functions of limbic system
  - (b) Errors of refraction
  - (c) Testosterone
  - (d) EEG
  - (e) Physiological changes during sleep.

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