



**DDF-M201632**

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

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

**August - 2022**

**Physiology : Paper - I**

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 Describe morphology, development and function of leucocytes. **15**
- 2 Define electrocardiogram. Describe the waves, segments and intervals of normal ECG. Add a note on ECG leads. **15**

**OR**

- 2 Define arterial blood pressure. Describe renal mechanism of regulation of arterial blood pressure. **15**
- 3 Write short notes : (any four) **20**
- (a) Apoptosis
- (b) Stem cells
- (c) Lymph
- (d) Crystalloids and colloids
- (e) Foetal circulation

**SECTION - II**

- 4 Enumerate primary and secondary muscles of respiration. Describe the various movements of thoracic cage and lungs during respiration. **15**
- 5 Define Juxtaglomerular apparatus. Explain its structure and function in detail. **15**

**6** Write short notes : (any **four**)

**20**

- (a) Oxygen Haemoglobin dissociation curve
  - (b) Classification of muscles
  - (c) Functions of skin
  - (d) Regulation of body temperature
  - (e) Micturition Reflex.
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