



**HDQ-M201632**

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

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

**November / December – 2017**

**Physiology : Paper - I**

Time : **3 Hours**]

[Total Marks : **100**

- Instructions :** (1) Write each section in separate answer book.  
(2) Answer to the point.

**SECTION - I**

**1** Define Cardiac Cycle. Discuss the Pressure and Volume changes occurring in heart and aorta during cardiac cycle. **15**

**2** Explain in detail the erythropoiesis and fate of RBC. **15**

**OR**

**2** Describe in detail the properties of skeletal muscles and write a note on neuromuscular junction. **15**

**3** Write Short Notes : (any **four**) **20**

- (a) Cell
- (b) Heart Sound
- (c) Functions of Lymph
- (d) R-E System
- (e) Diffusion

**SECTION - II**

**4** Describe Urine formation in detail. **15**

**5** Explain Oxygen Transport in detail. **15**

**OR**

**5** Write about the methods of artificial respiration in detail. **15**

**6** Write Short Notes : (any **four**) **20**

- (a) Functions of Skin
- (b) Cough Reflex
- (c) Variations in Body Temperature
- (d) Glycosuria
- (e) Sol and Gel