



**MY-8111**                      Seat No. \_\_\_\_\_  
**First Year B. H. M. S. Examination**  
**August - 2016**  
**Physiology & Biochemistry : Paper - I**

Time : 3 Hours]

[Total Marks : 100

- Instructions :** (1) Write each section in separate answer sheet.  
(2) Figures to the right indicate full marks.

**SECTION - I**

- |          |  |                      |
|----------|--|----------------------|
| <b>1</b> | Describe in detail the morphology, characteristics and functions of WBC.   | <b>15</b>            |
| <b>2</b> | (a) Heart rate<br>(b) Coronary circulation   | <b>8</b><br><b>7</b> |
| <b>3</b> | Short notes : (any <b>four</b> )<br>(a) Functions of spleen<br>(b) Micturition reflex<br>(c) Syncytium<br>(d) Mitosis<br>(e) Errors of refraction. | <b>20</b>            |

**SECTION - II**

- |          |  |           |
|----------|--|-----------|
| <b>4</b> | Describe in detail the regulation of Respiration.  | <b>15</b> |
| <b>5</b> | Describe the visual pathway.   | <b>15</b> |
| <b>6</b> | Short notes : (any <b>four</b> )<br>(a) Vital capacity<br>(b) Glycosuria<br>(c) Pace maker<br>(d) Colloid<br>(e) Mechanism of heat loss from body. | <b>20</b> |