



**AAQ-8111**

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

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

**April / May – 2016**

**Physiology & Bio-chemistry - I**

Time : 3 Hours]

[Total Marks : 100

- Instructions :**
- (1) Write each section in separate answer book.
  - (2) Handwriting must be clean and easily readable.
  - (3) Draw diagram wherever necessary.

**SECTION - I**

- |   |   |    |
|---|---|----|
| 1 | Describe Erythropoiesis and factors affecting it. | 15 |
| 2 | (a) Pressure-volume changes during cardiac cycle. | 8  |
|   | (b) Heart rate                                    | 7  |
| 3 | Write short notes : (any four)                    | 20 |
|   | (a) Colloids and crystalloids                     |    |
|   | (b) Types of RE cells                             |    |
|   | (c) Functions of lymph                            |    |
|   | (d) Etiological classification of Anemia          |    |
|   | (e) Anti-dromic reflex.                           |    |

## SECTION - II

- |   |   |    |
|---|---|----|
| 4 | Describe nervous regulation of respiration.     | 15 |
| 5 | (a) Counter-current mechanism in renal tubules. | 8  |
|   | (b) Renal glycosuria                            | 7  |
| 6 | Write short notes : (any four)                  | 20 |
|   | (a) Structure of Skin                           |    |
|   | (b) Organ of Corti                              |    |
|   | (c) Pyrexia                                     |    |
|   | (d) Proteinuria                                 |    |
|   | (e) Anoxia or Hypoxia.                          |    |
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