



MCG-M201632

Seat No. _____

First Year B. H. M. S. Examination

December – 2016

Physiology & Bio-Chemistry : Paper - I

Time : 3 Hours]

[Total Marks : 100

Instructions :

- (1) Write each section in separate answer sheet.
- (2) Figure in the right indicate full marks.
- (3) Draw figures wherever is necessary.

SECTION - I

- 1 What is Anemia ? Give etiological classification of Anemia with details. 15
- 2 Define Blood Pressure. Enumerate its regulatory mechanisms and explain the role of kidney to maintain it. 15

OR

- 2 Describe the properties of cardiac muscle in detail. 15
- 3 Short notes : (any four) 20
 - (i) Diffusion
 - (ii) Thymus gland
 - (iii) Function of lymphocyte
 - (iv) Heart sound
 - (v) Thrombocyte.

SECTION - II

- 4 Describe CO₂ transport in detail. **15**
- 5 Describe the micturation in detail. **15**
- OR**
- 5 Describe the structure and function of Nephron in detail. **15**
- 6 Write short notes : (any four) **20**
- (i) Proteinurea
 - (ii) Function of ADH
 - (iii) Sweat glands
 - (iv) Fatigue
 - (v) Hypothalamus as a thermostate.
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