



MCH-M201633

Seat No. _____

First Year B.H.M.S. Examination

December – 2016

Physiology & Bio-chemistry : Paper-II

Time : **3** Hours]

[Total Marks : **100**

- Instructions :**
- (1) Write **each** section in **separate** answer sheet.
 - (2) Figure in **right** indicates **full** marks.
 - (3) Draw figures wherever is necessary.

SECTION - I

- 1 Define Hormone. Write hormones released by Anterior pituitary gland and discuss the action of growth hormone in detail. **15**
- 2 Describe composition, function and regulation of secretion of Gastric Juice. **15**

OR

- 2 What is Glycolysis ? Describe citric acid cycle in detail. **15**
- 3 Short notes : (any **four**) **20**
 - (i) Oxytocin
 - (ii) Myxoedema
 - (iii) Vitamin-C
 - (iv) BMR
 - (v) Vomiting.

SECTION - II

- 4 Mention the descending tracts of the spinal cord. Describe pyramidal tract in detail. **15**

5 Describe spermatogenesis in detail with factors affecting it. 15

OR

5 What is Vitamin ? Describe all fat soluble vitamins in detail. 15

6 Short notes : (any **four**) 20

(i) Respiratory quotient

(ii) Fatty acid

(iii) Corpus luteum

(iv) Function of Bile

(v) Difference between IDDM and NIDDM.
