



BL-85107

Seat No. _____

First Year B. H. M. S. Examination

April / May - 2015

Physiology and Biochemistry : Paper - II

Time : 3 Hours]

[Total Marks : 100

SECTION - I

- 1** Describe the properties, composition, functions and regulation of secretion of Bile. Enumerate difference between liver and gall bladder bile. **15**

OR

- 1** Write Short Notes : **15**
- (a) properties, composition and functions of Gastric juice
 - (b) Describe digestion and absorption of carbohydrates
 - (c) Succus entericus

- 2** Enumerate the hormones secreted by the Thyroid gland. Describe the synthesis, storage, releasing, transporting and functions of thyroid hormones. **15**

OR

- 2** Write differences : **15**
- (a) Enumerate Hormones secreted from
 - (b) Functions of Growth hormone
 - (c) Glucagon adrenal glands. Describe Cushing syndrome.

- 3** Write Short Note : (Any Four) **20**
- (a) Cori cycle
 - (b) Kwashiorkor
 - (c) Vitamin-C
 - (d) Dwarfism and Cretinism
 - (e) Characteristics of enzyme action
 - (f) Mutation.

SECTION - II

- 1 What are the thalamic nuclei? Describe the connections, functions and effects of lesions of thalamus. 15

OR

- 1 Write Short Notes :

- (a) Synapse
- (b) Reflex Arc
- (c) Degenerative changes in the neuron.

- 2 Describe Physiology of Testis. 15

OR

- 2 Write Short Notes : 15

- (a) Uterine changes during menstrual cycle
- (b) Semen
- (c) Mechanical barrier and oral contraceptive

- 3 Write Short Note : (Any Four) 20

- (a) Functions of cerebellum
 - (b) Neuro muscular junction
 - (c) Functions of hypothalamus
 - (d) Sarcotubular system
 - (e) Permanent fertility control
 - (f) Secondary sexual changes during puberty in female
-