



[LQ 653]

FEBRUARY 2020

Sub. Code: 4202

FIRST YEAR B.D.S. DEGREE EXAM

PAPER II – GENERAL HUMAN PHYSIOLOGY AND BIOCHEMISTRY

Q.P. Code: 544202

Time: 180 Minutes

Maximum: 70 Marks

**Draw Suitable diagrams wherever necessary
Answer section A and B in Separate Answer Books**

**SECTION – A
(GENERAL HUMAN PHYSIOLOGY)**

I. Elaborate on: (1 x 10 = 10)

1. Describe functions of Glucocorticoids. Add a note on Cushing's syndrome.

II. Write Notes on: (3 x 5 = 15)

1. Milk Ejection Reflex.
2. Spermatogenesis.
3. Growth hormone.

III. Short answers: (5 x 2 = 10)

1. Referred pain.
2. List various methods of measuring cardiac output.
3. Positive feedback mechanism.
4. Oral contraceptives.
5. Dead space.

**SECTION – B
(BIOCHEMISTRY)**

I. Elaborate on: (1 x 10 = 10)

1. How ketone bodies are produced in liver? Describe the utilization of ketone bodies by brain in starvation and diabetic conditions.

II. Write Notes on: (3 x 5 = 15)

1. Phospholipids.
2. Clinical significance of liver function tests.
3. Define and classify Jaundice.

III. Short answers: (5 x 2 = 10)

1. Synthesis of glucose from amino acids.
2. Antioxidant vitamins.
3. Sodium and potassium.
4. Balanced diet.
5. Rickets.

