

[LD 653]

AUGUST 2013

Sub. Code: 4169

**FIRST YEAR B.D.S. DEGREE EXAM
PAPER II – GENERAL HUMAN PHYSIOLOGY AND
BIOCHEMISTRY**

*Q.P.Code: 544169***Time: 180 Minutes****Maximum: 70 Marks**

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

**SECTION –A
(HUMAN PHYSIOLOGY)**

I. Elaborate on: (1x10=10)

1. Describe the regulation of arterial blood pressure.

II. Write Notes on: (5x5=25)

1. Functions of the thyroid hormones.
2. Composition and functions of pancreatic juice.
3. Draw and label the visual pathway.
4. Anatomical dead space and its determination.
5. Briefly discuss the endocrine functions of hypothalamus.

**SECTION –B
(BIOCHEMISTRY)**

I. Elaborate on: (1x10=10)

1. What is the normal serum calcium level? Elaborate on the maintenance of calcium homeostasis.

II. Write Notes on: (5x5=25)

1. Hormonal regulation of blood glucose level.
2. Ascorbic acid.
3. Dietary fibres & their role in human nutrition.
4. Phenylketonuria.
5. Transaminases.
