

[LB 653]

AUGUST 2012

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: 100 Marks****Answer ALL questions in the same order****Draw Suitable diagrams wherever necessary****Answer Section A and B in Separate Answer Books**

**SECTION –A
(HUMAN PHYSIOLOGY)**

I. Elaborate on:

**Pages Time Marks
(Max.)(Max.)(Max.)**

1. Define Erythropoiesis. Discuss in detail the factors affecting erythropoiesis. Add a note on anaemia.

19 30 20

II. Write Notes on:

1. Juxta – glomerular apparatus (JGA).
2. Hormones and their actions of posterior pituitary.
3. Functions of bile.
4. Structure of platelets.
5. Oxygen – hemoglobin dissociation curve.
6. Active transport across the cell membrane.

3 10 5
3 10 5
3 10 5
3 10 5
3 10 5
3 10 5

**SECTION –B
(BIOCHEMISTRY)**

I. Elaborate on:

1. What are water soluble vitamins? Discuss the Chemistry, Sources, requirements functions and deficiency manifestations of Vitamin C.

19 30 20

II. Write Notes on:

1. Essential fatty acids.
2. GTT.
3. Maintenance of plasma calcium.
4. Liver function test.
5. Gout.
6. Urea Cycle.

3 10 5
3 10 5
3 10 5
3 10 5
3 10 5
3 10 5
