

[LG 653]

FEBRUARY 2015

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
(GENERAL HUMAN PHYSIOLOGY)

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

1. Describe Neural regulations of respiration. Add a note on Vital capacity.

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

1. Write a note on anticoagulants.
2. Define venous return. Explain about factors regulating venous return.
3. Physiology of pain.
4. Write a note on Cushing's syndrome.
5. Errors of refraction.

SECTION – B
(BIOCHEMISTRY)

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

1. Name the ketone bodies. Explain in detail the formation, utilization and clinical conditions associated with ketone bodies.

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

1. Disorders of tyrosine metabolism.
2. Glycolysis.
3. Classification of enzymes.
4. Biochemical functions of thiamine.
5. Serum calcium homeostasis.
