

[LE 653]

FEBRUARY 2014

Sub. Code:4132

**FIRST YEAR B.D.S. DEGREE EXAM
PAPER II – HUMAN PHYSIOLOGY AND
BIOCHEMISTRY
Q.P Code: 544132**

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: (1X10=10)

1. What is haemostasis? Describe the intrinsic mechanism of blood coagulation. Add a note on bleeding disorders.

II. Write Notes on: (5X5=25)

1. Write about Saltatory conduction and its advantages.
2. Heart sounds
3. Define hypoxia. Explain its types.
4. Explain functions of Juxtaglomerular apparatus
5. Functions of Growth hormone

**SECTION – B
(BIOCHEMISTRY)**

I. Elaborate on: (1X10=10)

1. Write in detail about Tri Carboxylic Acid cycle with energetics.

II. Write Notes on: (5X5=25)

1. Biochemical functions of vitamin C
2. Gout
3. Renal function tests
4. Factors regulating plasma calcium level
5. Competitive inhibition
