

[LE 653]

FEBRUARY 2014

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:** (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

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