

B.D.S. Ist Professional

5136

B.D.S. Examination, April 2006

PAPER-II

General Human Physiology & Biochemistry
(BDS-02)

Time : Three Hours]

[Maximum Marks : 25+25=50

Note : Attempt all questions. Illustrate your answers
with suitable diagrams.

Section-A
(General Human Physiology)

1. Give the composition and functions of Saliva. Describe the stages of deglutition (Swallowing). 5
2. Discuss the functions of various leucocytes (W.B.C.) found in the blood. 4
3. Elaborate the events of cardiac cycle with diagram. 4

5136130013

P.T.O.

4. (i) Write a note on conditioned reflex. 2
(h) Discuss the role of calcium in Skeletal Muscle Contraction. 2
5. Define Hypoxia. Discuss the Anemic hypoxia and Stagnant hypoxia. 4
6. Differentiate between : 4
(i) Preganglionic and Postganglionic nerve fibers
(ii) Pinocytosis and Phagocytosis.

Section-B
(BIOCHEMISTRY)

1. Give the biosynthesis of thyroid hormones. 4
2. (a) Define Basal Metabolic Rate (B.M.R.). Enumerate the factors affecting it. 2
(b) What is a Balanced Diet? Give the biochemical significance of Carbohydrates. 2
3. Describe briefly the process of digestion of proteins in the Gastro Intestinal Tract. 4
4. Write short notes on the following : 4
(i) Essential Amino Acids
(ii) Antioxidants.

51361400-13