



Seat No. : _____

TA-131

April-2013

B.Sc. (Sem.-IV)

Biochemistry : 205

Time : 3 Hours]

[Max. Marks : 70

Instruction : All questions are compulsory.

1. (a) Explain transport of carbon dioxide gas in the body. 7

OR

Explain with diagram human respiratory system.

(b) Explain briefly (any **two**) : 7

(1) Oxygen transport

(2) Bohr's effect

(3) Acidosis and Alkalosis

(4) Saturation curve of Haemoglobin

2. (a) Explain the process of digestion in stomach and duodenum. 9

OR

Explain composition and function of :

(1) Gastric Juice

(2) Intestinal Juice

(3) Saliva

(b) Draw and label the digestive system of human being. 5

OR

Explain digestion of carbohydrates in detail.

3. (a) Explain in detail internal structure of kidney. 6

OR

Nephron without diagram.

(b) (1) Write role of kidney in acidification and ammonia formation. 8

(2) Write role of aldosterone, ADH in urine formation.

OR

Explain mechanism / process of urine formation.

4. (a) Write a note on Platelets. 7
- OR**
- Explain different types of WBC.
- (b) Write a note on ESR. 7
- OR**
- Explain functions of RBC.
5. Briefly explain (any **seven**) : **14**
- Diffusion of gases, internal respiration, intestinal putrefaction, GFR, Tmax, Blood clotting proteins, Abnormal constituents of urine, CT, MCH.
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