

Seat No. : _____

AK-116

April-2016

B.Sc., Sem.-IV

CC-205 : Biochemistry

Time : 3 Hours]

[Max. Marks : 70

1. Explain in detail - transport of respiratory gases in the body. **14**
- OR**
- (a) Explain with diagram - human respiratory system with alveoli. **8**
- (b) Explain briefly 1. Bohr's effect, 2. saturation curve of haemoglobin. **6**
2. (a) Explain the process of digestion in stomach and duodenum. **8**
- OR**
- Explain composition and function of (1) Pncreatic juice (2) saliva
- (b) Draw and label the G I tract of human being . **6**
- OR**
- Explain digestion of Lipids in detail.
3. (a) Explain in detail functions of kidney. **6**
- OR**
- Draw and label-ultra-structure of nephron.
- (b) Write role of Excretory system in acidification and ammonia formation. **8**
- OR**
- Explain mechanism of urine formation.
4. (a) Write a note on composition of Blood. **7**
- OR**
- Explain different types of WBC.
- (b) Write a note on Platelets. **7**
- OR**
- Explain briefly functions of blood.

5. (A) Briefly explain :
- (1) List abnormal constituents of urine. 2
 - (2) Blood-clotting Factor-I, II. 4
 - (3) GFR 2
- (B) (1) Give importance of Sphincter valve in Stomach. 2
- (2) Haemoglobin-Properties. (any 2) 2
 - (3) Alveoli- diagram only. 2
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