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SARDAR PATEL UNIVERSITY  
F.Y.B.OTH. EXAMINATION  
JANUARY 2014  
B.O.TH 103  
04/01/2014  
(Biochemistry and Pharmacology)

Timing: 10:30 a.m. to 01:30 p.m.

Marks: 70

SECTION I  
BIOCHEMISTRY

- Q-1 MCQ'S: (05)
- Q-2 WRITE SHORT NOTES ON ANY THREE: (15)
- 1 Cholesterol.
  - 2 Calcium.
  - 3 Functions of Proteins.
  - 4 Walds Visual Cycle.
  - 5 Vitamin K.
- Q-3 WRITE SHORT NOTES ON ANY FIVE: (15)
- A Phosphorus.
  - B Vitamin B6.
  - C Iron.
  - D Non Competitive inhibition.
  - E Biomedical importance of lipids.
  - F Transamination.
  - G Properties of Carbohydrates.

SECTION II  
PHARMACOLOGY

- Q.1 MCQ (05)
- Q.2 Answer the following questions (ANY THREE): (15)
- (a) Classify sympathomimetic drugs. Describe the therapeutic uses and adverse effects of adrenaline.
  - (b) Classify the drugs used in the treatment of peptic ulcer. How omeprazole is useful in peptic ulcer?
  - (c) Write the drug therapy of iron deficiency anaemia
  - (d) Enlist the drugs used in the treatment of bronchial asthma. Write various routes of administration of salbutamol.
  - (e) Describe the factors modifying drug effects
- Q.3 Answer the following questions (ANY FIVE) (15)
- (a) Mention the therapeutic uses of diazepam.
  - (b) Explain the Levodopa - carbidopa combination therapy for idiopathic Parkinsonism.
  - (c) Mention the adverse effects of corticosteroids.
  - (d) Mention the factors modifying drug effects.
  - (e) Mention various skeletal muscle relaxants and their therapeutic uses
  - (f) Mention the drug used in the treatment of pulmonary tuberculosis.
  - (g) Name the drugs useful in angina pectoris