

[LI 0216]

FEBRUARY 2016

Sub. Code: 2603

**B.Sc. RESPIRATORY THERAPY  
FIRST YEAR  
PAPER III – BIOCHEMISTRY AND PHARMACOLOGY**

*Q.P. Code: 802603*

**Time : Three Hours**

**Maximum : 100 Marks**

**Answer All questions.**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Describe the process of Glycolysis. Explain how many ATP molecules are formed in anaerobic and aerobic Glycolysis?
2. Name the drugs used in asthma with their mode of action and side effects.
3. Name the diuretics with a note on their mode of action and side effects.

**II. Write Notes on:**

**(8 x 5 = 40)**

1. Function of Vitamin D.
2. Plasma protein.
3. Rifampicin.
4. Lignocaine.
5. Phenylketonuria.
6. Metabolic acidosis.
7. Mucolytics.
8. Second generation antihistamines.

**III. Short Answers on:**

**(10 x 3 = 30)**

1. Essential Fatty acids.
2. Liposomes.
3. Cori's cycle.
4. Name any three side effects of anti TB treatment.
5. Monteleukast.
6. Name three calcium channel blockers anti hypertensives.
7. Pharmacokinetics of ethambutol.
8. Name three functions of sodium in humans.
9. Von gierke's disease.
10. Midazolam.

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