

[LH 0815]

AUGUST 2015

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. Write about the sources, functions and disorders of Vitamin A.
2. What is aerosol therapy? Name the diseases for which aerosol therapy is given? Name the drugs five through aerosol route?
3. Classify anti hypertensive drugs. Describe the pharmacokinetics of each group with an example.

**II. Write Notes on:**

**(8 x 5 =40)**

1. Dietary fibres.
2. Structure of tRNA.
3. Isoenzymes and their clinical importance.
4. Phenylketonuria.
5. Inhaler devices.
6. Local anaesthetics.
7. Pyrazinamide.
8. Bambuterol.

**III. Short Answers on:**

**(10 x 3 = 30)**

1. Name any three physiological buffers,
2. What are ketone bodies? Give examples.
3. Rapoport Luebering shunt.
4. What is Vitamin B12? What is its significance?
5. Polyunsaturated fatty acids.
6. Name three medications used in bronchoscopy.
7. Isoniazid.
8. Spiranolactone.
9. N-acetylcysteine.
10. Mention three adverse effects of throphylline.

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