

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. Classify Anti-asthma drugs with examples. Write a short note on mechanism of action, different formulations, therapeutic uses and adverse drug reactions of beclomethasone.
2. Write an essay on Aerosol therapy with suitable examples wherever applicable.
3. What are Vitamins? How they are classified? Add a note on Vitamin C under the following headings - functions, sources, recommended daily allowances and deficiency disorders.

II. Write notes on:

(8 x 5 = 40)

1. Penicillin G.
2. Dietary fibres.
3. Fexofenadine.
4. Nedocromil.
5. Local anaesthetics.
6. Write a note on enzymes as catalysts.
7. Describe the structure and functions of Insulin.
8. Regulation of Acid base balance by Kidney.

III. Short answers on:

(10 x 3 = 30)

1. Advantages and disadvantages of oral route of drug administration.
2. Montelekast.
3. Any 3 therapeutic Uses and adverse drug reactions of Diazepam.
4. Classify Antibiotics with examples.
5. Rifampicin.
6. Name the Good and Bad cholesterol types.
7. Clinical significance of creatinine.
8. Name the Anti-oxidant vitamins.
9. Gluconeogenesis.
10. Define BMR.
