

[AHS 0321]

MARCH 2021

Sub. Code: 1249

(AUGUST 2020 EXAM SESSION)

B.Sc. CRITICAL CARE TECHNOLOGY**SECOND YEAR (From 2018-2019 onwards)****PAPER IV – PATHOLOGY, PATHOPHYSIOLOGY & PHARMACOLOGY*****Q.P. Code : 801249*****Time: Three hours****Answer ALL Questions****Maximum: 100 Marks****I. Elaborate on:****(3 x 10 = 30)**

1. Enumerate various routes of drug administration with examples . Discuss the merits and demerits of oral route and intravenous route of drug administration.
2. Describe the classification , clinical uses and adverse effects of bronchodilators.
3. Define Ischemic heart disease. Describe the pathogenesis , morphology , clinical features and complications of myocardial infarction.

II. Write notes on:**(8 x 5 = 40)**

1. Define bioavailability of drug. Describe the factors affecting the bioavailability of drug.
2. Peripherally acting skeletal muscle relaxants .
3. Status asthmaticus .
4. Management of Snake Bite.
5. Therapeutic uses of Adrenocorticosteroids.
6. Pulmonary embolism .
7. Define Pneumothorax, types of pneumothorax , write a note on tension pneumothorax.
8. Hypoglycemia .

III. Short answers on:**(10 x 3 = 30)**

1. Mention the types of hypersensitivity reactions with examples .
2. Transudate Vs Exudates
3. Midazolam
4. Name 4 inotropic drugs used in emergencies
5. Mucolytics
6. Ondansetron
7. Mention 4 first line Anti Tuberculous drugs .
8. Clotting Time
9. Cetirizine
10. List major growth factors involved in process of healing .
