

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[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. Cetrizine
10. List major growth factors involved in process of healing .
