

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

[AHS 0321]

MARCH 2021

Sub. Code: 1219

(AUGUST 2020 EXAM SESSION)

B.Sc. CRITICAL CARE TECHNOLOGY

SECOND YEAR (From 2014-2015 and 2015-2016 onwards)

PAPER IV – PATHOLOGY, PATHOPHYSIOLOGY AND PHARMACOLOGY

Q.P. Code : 801219

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Describe the classification, preparation, clinical uses and adverse effects of bronchodilators.
2. Classify the drugs used in peptic ulcer. Mention the mechanisms of action of the various groups of drugs. Write down the anti helicobacter pylori regimen.
3. Define Cerebrovascular Accident. Mention the causes, risk factors and Management.

II. Write notes on:

(8 x 5 = 40)

1. Clinical uses and adverse effects of succinylcholine.
2. Clinical uses and adverse effects of Aspirin.
3. Clinical uses and adverse effects of opioids.
4. Vasodilators.
5. Guillain barre syndrome.
6. Define Respiratory Failure. What are the Types? Causes of Respiratory failure.
7. Pathophysiology of congestive cardiac failure.
8. Lobar pneumonia.

III. Short answers on:

(10 x 3 = 30)

1. Neostigmine.
2. Antiseptics and disinfectants.
3. Treatment of atropine overdose.
4. Propranolol.
5. Flumazenil.
6. Enumerate about platelet disorders.
7. Causes of Gastro-intestinal bleeding.
8. Mention the types of COPD.
9. Mention the opportunistic infections in AIDS.
10. Mention three benign and three malignant tumours.
