

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

[AHS 1122]

NOVEMBER 2022

Sub. Code: 1509

**B.Sc. CARDIAC TECHNOLOGY
FIRST YEAR (Regulation 2014-2015)
PAPER II – PATHOLOGY, MICROBIOLOGY AND PHARMACOLOGY
RELATED TO CARDIAC TECHNOLOGY
Q.P NO. 801509**

Time: Three hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3X10=30)

1. Classify antihypertensive drugs. Write in detail about the mechanism of action and therapeutic uses of ACE inhibitors.
2. Define Inflammation. Discuss in detail about Acute Inflammation and its events.
3. Enumerate Beta blockers. Write the uses and adverse effects of propranolol.

II. Write Notes on:

(8X5=40)

1. Transdermal therapeutic system.
2. Clopidogrel in Ischemic Heart Disease.
3. Pathogenesis, diagnosis and treatment of Hepatitis B.
4. Left atrial myxoma.
5. Acute dissection of aorta.
6. Draw and label the structure of atheromatous plaque.
7. Types, pathogenesis and treatment of shock.
8. Tetralogy of Fallot.

III. Write Short notes on

(10X3=30)

1. Define teratogenicity.
2. Define irreversible injury.
3. Angioplasty.
4. Mention three adverse effect of Digoxin.
5. Define Necrosis and write its types.
6. Define autoimmunity. Mention two autoimmune diseases.
7. What are lymphoid organs? Give some examples.
8. Name three cardiotoxic drugs.
9. Mention four uses of loop diuretics.
10. Name three surface anaesthetic agents.
