

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

[LR 1220]

**DECEMBER 2020**

**Sub. Code: 4260**

**(AUGUST 2020 EXAM SESSION)**

**B. PHARMACY DEGREE EXAMINATION**

**SECOND YEAR – (Regulation from 2009-2010)**

**PAPER V – PHARMACY PRACTICE AND PATHOPHYSIOLOGY**

*Q.P. Code: 564260*

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**SECTION A  
(PHARMACY PRACTICE)**

**I. Elaborate on:** (1 x 20 = 20)

1. a) Classify Emulsifying agents. Add a note on HLB.  
b) Discuss the stability of Emulsions.

**II. Write notes on:** (4 x 5 = 20)

1. Explain the sources of error in prescription.
2. Write a brief note on Adsorbents.
3. Give an account of the records to be retained in the drug store.
4. Distinguish between Gargles and Mouthwashes.

**III. Short answers on:** (5 x 2 = 10)

1. List out the factors determining the dose of a drug.
2. What is Antagonism? Give example.
3. What are adhesive tapes?
4. What are tablet triturates?
5. Write two examples for chemical incompatibility?

**SECTION B  
(PATHOPHYSIOLOGY)**

**I. Elaborate on:** (1 x 20 = 20)

1. What is Rheumatoid Arthritis? Explain its causes, symptoms and pathophysiology.

**II. Write notes on:** (4 x 5 = 20)

1. Discuss the management of Hypertension.
2. Explain the mechanism involved in the process of Inflammation.
3. Discuss the pathophysiology of Acute Renal Failure.
4. Explain the different types of Epilepsy.

**III. Short answers on:** (5 x 2 = 10)

1. What are chemical mediators? Give examples.
2. Treatment of UTI.
3. What is Ischaemia?
4. Diapedesis.
5. Metaplasia.

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