

Ref. No.: Ex/PHARM/T/323/2018,

Dated: 17/04/2018

B. Pharm. 3rd Year 2nd Semester Examination 2018.

Time: 3 hours

Subject: Pharmacology-II

Full Marks: 100

(Answer any *five* questions taking at least *one* from each group)

GROUP - A

1. How thyroid hormone secretion is regulated? Write in details about thyroid disorder and its management. 20

2. Writes notes on (any two)- 10X2=20
 - a. Estrogen receptor modulator.
 - b. Diabetic ketoacidosis.
 - c. Oral contraceptive.

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Clearly mention the question number and part number for each answer.

GROUP - B

Q1)

- a) Mention the clinically accepted reasons for Epilepsy. (05)
- b) Write short notes on Primary and Secondary Epilepsy, Tonic-Clonic seizure and GrandMal seizure. (4X3=12)
- c) Provide four examples each for Primary and Adjunct anti-epileptic drugs. (03)

Q2)

- a) Mentioning the key steps in the synthesis and degradation of Dopamine at neuronal ends explain where and how 'Anti-psychotic effect' and 'Psychotic symptoms' can be achieved. (10)
- b) Briefly discuss about the functioning of Dopamine – D₁ – like and D₂ – like family receptors. (10)

Q3)

- a) Explain the mechanism for anti-depressant activity of Fluoxetine and Tranylcypromine. (08)
- b) Explain how Lithium salts are able to manage Bipolar type of disorder. (07)
- c) Mention and discuss about the targets generally addressed for management of Epilepsy. (05)

B.PHARMACY THIRD YEAR SECOND SEMESTER-2018

PHARMACOLOGY-II TIME : FULL MARKS:

GROUP - C

USE SEPARATE ANSWER SCRIPTS FOR EACH GROUP

Q.1 i) Explain the pathophysiology of Rheumatoid Arthritis. Discuss the role of methotrexate in the management of RA.

ii) Discuss the causes for hyperuracemia. Write down the mechanism of action of allopurinol.

8+4+5+3=20

Q.2 i) Briefly explain the pharmacological actions of Morphine?

ii) Explain the term 'endogenous opioids'. Name them.

iii) Write a short note on Codeine.

iv) Explain the mechanism of action of the opioids

v) A patient suffering from acute gastroenteritis was administered an antibiotic and loperamide. To which class of drugs does loperamide belong and why was it prescribed in this situation?

8+3+3+4+2=20