

B. Pharm. 3rd Year 1st Semester Supplementary Examination 2017.

Time: 3 hours

Subject: Pharmacology-I

Full Marks: 100

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

GROUP - A

1. Define and classify receptor. With a proper diagram discuss about nuclear receptor.
2. Write notes on (**any two**):
 - a. Antagonism.
 - b. Photosensitivity and teratogenicity
 - c. Tolerance.

B. PHARM 3rd YEAR 1st SEMESTER SUPPLEMENTARY EXAMINATION, 2017
(1st/2nd Semester/Repeat/Supplementary/ Spl. Supplementary/old/Annual/Bi - Annual)

SUBJECT : PHARMACOLOGY-I

Full marks: 100

Time: Three hours

Use separate answer – script for each part

No of questions	GROUP - B	Marks
-----------------	-----------	-------

3. What do you mean by Steady State Pharmacokinetics? Describe Michaelis-Menten Kinetics with diagram.

10 + 10 = 20

4. Write Short notes:-

4 x 5 = 20

- Describe of the organization biological membrane
- Illustrate the hERG channel
- Plasma protein binding of drugs
- Glucuronide conjugation

GROUP - C

Q5) Explain the following:

- (a) Effect of acetylcholine on blood pressure and mammalian heart.
- (b) Anti-cholinergic effect of Vesamicol, Hemicholinium and Botulinus toxin.
- (c) 'One neurone – one transmitter' model is an over simplification of a much complicated process.
- (d) Mention two examples each for different types of Ganglioplegics. 20

6. Schematically discuss the Cholinergic and Adrenergic nervous transmission and their effects on different organs. Write note on Myasthenia Gravis and Glaucoma. 20