

Ref. No.: Ex/PG/PHAR/T/128G/2017,

Dated: 05/04/2017

M. Pharm. 1st Year 2nd Semester Examinations 2017.

Time: 3 hours

Subject: Pharmacology-III

Full Marks: 100

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

1. Mention some common factors that responsible for Neurodegeneration. Write in details about Alzheimer's disorder and its management. 8+12=20
2. Write notes on (*any two*)- 2X10=20
 - a. Thyroid disorder.
 - b. Correlation of ovarian and uterine cycle with hormonal change.
 - c. Oral hypoglycemic agents.

Time: 3 hrs

Full Marks:100

GROUP - B

Q3) Explain critically the following:

- a) Vasodilator Dipyridamol can't be used in place of Nitrates. -----(4)
- b) Why Ramipril and not Olmesartan can be used for management of Nitrate tolerance----- (5)
- c) Nitrate mediated vasodilatation do not reduce Blood Pressure. -----(5)
- d) Initial use of β -Blockers some time precipitate bronchospasm (Explain with cAMP) and coronary resistance. -----(6)

Q4) Explain whether cardio-specific or non-specific β -Blockers are more suitable for CHF?----- (6)

Why Obesity is related with chronic use of β -Blockers? ----- (2)

Explain the hypothesis where RAA and Free Radicals are believed to be responsible for Nitrate tolerance ----- (7)

Explain why short acting DHP (Nifedipine) although is able to relieve severe hypertension and terminate attacks of coronary spasms--- presents with serious adverse effects? ----- (5)

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

SUBJECT : PHARMACOLOGY-III

Full marks: 100

Time: Three hours

Use separate answer – script for each part

No of questions	GROUP - C	Marks
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5. Explain with diagram the mechanism of action of antidepressant drugs at the synapse. Why some foods likely to produce hypertensive effects in patients taking MAOI drug ? 12 + 8 = 20

6. What is Obesity? Who is considered as overweight? What are the behavioural changes conducive to weight gain? How gastric band induces weight loss? 4+4+8+4=20

7. Write short notes:- 4x5=20

A) An ideal chelating agent.

B) Comparison of conventional and atypical antipsychotics.

C) Mechanism of action of conventional antipsychotics.

D) Mechanism of lithium in bipolar disorder.