

Ref. No.: EX/PG/PHAR/T/128G/2019

M. Pharm. 1st Year 2nd Semester Examinations 2019.

Time: 3 hours

Subject: Pharmacology-III

Full Marks: 100

(Answer any *five* questions)

1. Illustrate some common factors that responsible for Neurodegenerative disorder. Briefly discuss about the Alzheimer disease. 8+12=20
2. Write notes on- 2X10=20
 - a. Hyperthyroidism.
 - b. Regulation of insulin secretion.
3. Briefly discuss about the correlation of ovarian and uterine cycle with hormonal secretion. Write shortly about selective estrogen receptor modulators. 12+8=20

Time: 3 hrs

Full Marks:100

4 Explain critically the following:

- a) Vasodilator Dipyridamol can't be used in place of Nitrates. -----(4)
- b) Why Ramipril and not Olmesartran 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 bronchospam (Explain with cAMP) and coronary resistance. -----(6)

5 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)

6 (a) How β Blockers can contribute to cardiac remodeling particularly in dilated cardiomyopathy? -----(8)

(b) Explain why Atenolol is never advised for acute- management of hypertension and (b) Nitrates are often considered as better Veno-dilators? -----(6+6)