

SVKM'S NMIMS

Shobhaben Pratapbhai Patel / School of Pharmacy & Technology Management

Programme: B. Pharm / B. Pharm + MBA ✓

Year: IV

Semester: VII ✓

Academic Year: 2019-20

Marks: 70 ✓

Subject: Pharmacology II ✓

Time: 2.00 pm to 5.00 pm

Duration: 3 hrs. ✓

Date: 02 December 2019 ✓

No. of Pages : 2

FINAL EXAMINATION

Instructions for Candidates: Attempt All questions from Section A.

Attempt any **FOUR** questions from Section B.

SECTION A

Q1. A) Match the columns [2M]

- | | |
|------------------|--------------------------|
| i. Enalapril | a. Thioamides |
| ii. Vildagliptin | b. Glucosidase inhibitor |
| iii. Acarbose | c. ACE inhibitor |
| iv. Carbimazole | d. DPP-4 inhibitors |

Q1. B) Give the difference between IDDM and NIDDM [2M]

Q1. C) Define the term: [2M]
i. Anaemia
ii. Expectorants

Q1. D) Indicate true or false with justification:: [2M]
i. ARBs should not be combined ACE inhibitors for the treatment of Hypertension
ii. Oral anticoagulants should be used during pregnancy

Q1. E) Fill in the blanks: [2M]
i. _____ is similar to Furosemide in all respects but is 40 times more potent
ii. _____ is a semisynthetic derivative of morphine acts as a dopaminergic agonist on the CTZ

Q1. F) Explain the target tissue/organ of the following hormones. Also mention the possible pathophysiological conditions. [2M]
i. Somatostatin
ii. Prednisolone

Q1. G) Enlist the uses of Fibrinolytics with suitable examples. [2M]

SECTION B

- Q2. A) Explain the mechanism of action of hormonal contraceptives with the types of methods used in female contraception and state their clinical uses [8M]
- Q2. B) Classify CCB and explain their mechanism of action and uses [6M]
- Q3. A) Discuss the mechanism of action, side effect and uses of Statins [7M]
- Q3. B) Explain the physiological effects of insulin and enlist the different types of insulin along with their onset of action [7M]
- Q4. A) Give the mechanism of action, side effects and uses of (any four): [10M]
a) Propylthiouracil
b) Quinidine
c) Metoclopramide
d) Warfarin
e) Omeprazole
- Q4. B) Give the differences between Thiazide and High ceiling diuretics suitable examples [4M]
- Q5) Discuss various Phases of Asthma. Classify the drugs used and explain the mechanism of action and pharmacological actions with examples. [14M]
- Q6. A) How would you classify antihypertensive drugs? Elaborate on the treatment strategy available for Hypertension. [8M]
- Q6. B) Explain the mechanism, pharmacological actions and potential uses of Nitrates [6M]
- Q7) Write notes on (any two) [7*2=14M]
i. Antiemetics
ii. Antiplatelet drugs
iii. Pharmacotherapeutics of obesity