

B. PHARMACY FOURTH YEAR FIRST SEMESTER EXAMINATION (Old) – 2019

Subject: NEWER DRUGS & BIOTECH. APPL.-I

Time : Three hours

Full Marks : 100

Group : A

Instructions: Answer any five questions, taking at least one from each group.

1. Write the application of starch in Pharmaceutical Industry. Give the details about the source of starch generally use. Give the general procedure of isolation of starch from the *Solanum tuberosum*? 20

2. Write notes on :
 - a) Importance of Fig plant
 - b) Microscopic measurement
 - c) Source , chemical constituents and use of Turmeric
 - d) Source , chemical constituents and use of Tea20

Ref. No.: EX/Pharm/T/415B/2019 (Old)

Dated: 27.11.2018

B. Pharm. 4th Year 1st Semester Examinations 2019 (Old)

Time: 3 hours Sub: Newer Drugs and Biotechnological applications-I FM: 100

GROUP - B

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

3. Discuss in details about how a new chemical entity comes in the market as a drug. 20
4. Write notes on (**any two**): 2X10 = 20
- a. Objectives of drug discovery.
 - b. Antidiabetic drug screening.
 - c. Screening of hepatoprotective drug.

B. PHARM 4th YEAR 1ST SEMESTER EXAMINATION, 2019 (Old)

SUBJECT: ELECTIVE - I (Newer Drugs and Biotechnological Application – I)

GROUP - C

5. (a) Give a schematic presentation of the processes involved for approval of ANDA. 10
(b) What do you understand by bioavailability? Explain the dissimilarity factor for IVIVC. 10
6. (a) What do you understand by exclusivity rights? Why is it given according to Hatch – Waxman Act. What is the exclusivity for orphan drugs? 3+4+3
(b) Elaborate Hatch – Waxman Trade – Off? What are the main factors for delay of generic entry into the market? Explain. 4+6