

Ref. No.: EX/PHARM/T/415EL(I)/2017(S)

Dated: 02.02.2017

B. Pharm. 4th Year 1st Semester Supplementary Examinations 2017

Time: 3 hours

Subject: Elective-I (Newer Drugs)

Full Marks: 100

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

Group-A

1. What are the main objectives for development of a new drug? How a new chemical entity comes in the market as a drug; illustrate the different steps. 20

2. Write notes on (**any two**): 2X10 = 20
 - a. Pre-clinical trial.
 - b. Antidiabetic drug screening.
 - c. Antiinflammatory drug screening

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Group-B

3. Define multidrug resistance (MDR). Represent transmembrane domain of multidrug resistance protein. 5 + 15 = 20
4. Represent the role of multidrug resistance transporter in drug resistance. 20

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100

Elective- I (Newer Drugs)

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= 20

20

Group 'C'

5. Discuss the basic premise of Hansch analysis and how it helps in drug design. 20
6. Discuss the importance of Free Wilson analysis with an example. 20