

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

Time: 3 hours

Subject: Pharmacology-II

Full Marks: 100

(Answer any *five* questions)

1. Write down the objectives of new drug development. Define preclinical and clinical trials. Illustrate the different phases of clinical trial. 4+6+10=20

2. Define Haematinics. Briefly discuss about macrocytic hyperchromic anaemia and haematopoietic growth factors. 3+10+7=20

3. Write notes on (*any two*)- 10X2=20
 - a. IAEC.
 - b. Screening of hepatoprotective agents.
 - c. Coagulants.

Name of Examination: Master of Pharmacy 2nd Sem. Exam. 2019
Subject: PHARMACOLOGY II

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- Q1) (a) Explain the effect of β -adrenergic stimulation on working cardio myocytes.
(b) Provide clinical justification for β -Blockers being advocated for management of
(i) Arrhythmia and (ii) CHF. 7+5+8
- Q2) (a) Explain the effects of Nitrates on (i) Coronary circulation and (ii) Cardiac 'After Load'.
(b) Why Vitamin C is suggested alongside Nitrate therapy?
(c) Discuss about the similarities and dissimilarities between DHP and Non-DHP type of Calcium channel blockers. 6+4+4+6
- Q3) a) Explain the importance of management of Pre-load and After-load of heart in the treatment of Angina and Hypertension.
b) Explain critically why -
i) β -blocker is advised alongside nitrate mediated management for reduced coronary flow?
ii) CCB is preferred over β -blockers in predisposed COPD. 6+7+7