www.FirstRanker.com

www.FirstRanker.com

Code No. 13259 / Non-CBCS

FACULTY OF PHARMACY

B. Pharmacy 3/4-Year I-Semester (Non-CBCS)(Backlog) Examination, August 2019

Subject : Pharmacology - I Time: 3 Hours Max. Marks: 70 Note: Answer all questions. All questions carry equal marks. a) What are different routes of drug administration? Compare the merits and demerits of oral and parenteral routes of administration. b) Define the following: (6)(i) Therapeutic Index (ii) Tolerance (iii) Biological Half life OR c) Define and classify the receptors. Explain in detail about G – protein coupled receptors (2+3+5)d) Write short notes on LD₅₀ and ED₅₀ (4) 2 a) Explain the pharmacological effects and therapeutic uses of: (14)(i) Physostigmine (ii) Atropine (iii) Propronolol (iv) Prazosin b) Classify the Cholinergic agents with examples. Write their actions on (i) Heart, (ii) Bronchioles, (iii) Intestine and (iv) Eye. Add a note on their therapeutic uses. (4+8+2)a) Write about the classification of anti-depressant agents. Write in detail about the mechanism of action, therapeutic uses and adverse reactions of Selective Serotonin Receptors Inhibitors (SSRIs). (6+8)b) Classify anti-epileptic agents and explain the mechanism of action and therapeutic uses of Sodium Valproate and Phenytoin. (2+6+6)a) Define hypertension. Classify the antihypertensive agents with examples. Write about the mechanism of action and adverse reactions of ACE inhibitors and Calcium channel blockers. (2+6+6)OR b) What is bronchial asthma? Classify anti-asthmatic drugs. Explain the pharmacology of any two drugs. (2+4+8)a) Define Diuresis. Classify Diuretics and explain mechanism of action and therapeutic uses of loop diuretics and potassium sparing diuretics. (2+4+8)b) Write about the mechanism of action and therapeutic uses of pantaprazole. (4) c) Write short note on: (10)(i) Anti-emetic agents (ii) Laxatives

Pharmacy
