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RUHS

Second Year MBBS Examination

II MBBS PHARMACOLOGY PAPER II

Date: 02-12-2024

Time: 3 hours

Max Marks: 100

Instructions: INSTRUCTIONS: Attempt all questions in both sections: (Use separate answer book for each section)

Section 1

1. Fill in the blanks:6x1=06 (6)
   a. Drug of choice for treatment of Paroxysmal Supraventricular Tachycardia is,
   b. _____ is used when heparins action needs to be terminated rapidly.
   c. Anti thyroid drug preferred in early pregnancy is_____
   d. _____ is a thiazolidinedione used in Diabetes Mellitus.
   e. Aminoglycoside antibiotic included in first line drugs for tuberculosis is_____
   f. _____ is used for radical cure of relapsing plasmodium vivax malaria.
2. Answer the following (Multiple choice questions):4x1=04 (4)
   a. Luminal amoebicide preferred for eradicating cysts in intestine is:a) Chloroquine b) Diloxanide furoate c) Metronidazole d) Dihydroemetine
   b. Glycopeptide antibiotic that can cause "Red Man Syndrome' on rapid i.v. injection is: a) Linezolid b) Clindamycin c) Vancomycin d) Azithromycin
   c. Presence of following substance in gastrointestinal tract increases oral iron absorption: a) Tetracycline b) Phosphates c) Phytates d) Ascorbic Acid
   d. Preferred diuretic for treatment of mild hypertension is: a) Hydrochlorothiazide b) Furosemide c) Acetazolamide d) Bumetamide
3. Clinical case study-A 50-year-old male complains of chest pain on exertion that is relieved on rest. His blood pressure is 130/90 mmHg, rest physical examination is (15) normal. ECG findings are also normal. He is diagnosed as classical angina pectoris.
   a. Write the drug of choice for acute chest pain in this patient with its mechanism of action and adverse effects.
   b. Enumerate the drugs that can be used for chronic prophylaxis of angina pectoris.
   c. Explain why beta blockers and calcium channel blockers should not be given in combination.
4. Write short notes on (Any five): 5x2=10 (10)
   a. Radioactive Iodine

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b. Mifepristone
c. Oxytocin
d. Bisphosphonates
e. Angiotensin receptor blockers
f. Amiodarone

5. Explain briefly (Any three):3 x 5=15 (15)
   a. Insulin analogs
   b. Role of aldosterone antagonist in CHF
   c. Antiplatelet drugs
   d. Oral iron therapy

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6. Classify Extended Spectrum Penicillins. Describe mechanism of action of beta lactam antibiotics. Write spectrum, uses and adverse effects of amoxycillin. 20 (20)
7. Write short notes on (Any five):5 x2=10 (10)
   a. Penicillamine
   b. TNF a inhibitors
   c. Methotrexate
   d. Albendazole
   e. Fluconazole
   f. Treatment of multibacillary leprosy
8. Explain briefly (Any Four):4x5=20 (10)
   a. Drug treatment of Scabies.
   b. Artemisinin based combination therapy
   c. Post exposure prophylaxis of HIV infection
   d. Newer macrolide antibiotics
   e. Adverse effects of aminoglycoside antibiotics

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