

Question Paper

Exam Date & Time: 06-Jul-2023 (02:15 PM - 05:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND BDS DEGREE EXAMINATION – JULY 2023

SUBJECT: GENERAL AND DENTAL PHARMACOLOGY AND THERAPEUTICS

Marks: 60

Duration: 165 mins.

Answer all the questions.

- 1A) Explain ion channels as target of drug action (4)
- 1B) Explain four types of drug antagonism with examples. (4)
- 1C) Define therapeutic index and idiosyncrasy of a drug with examples. (2)
- 2A) Explain the anti-inflammatory and antiplatelet actions of aspirin. Enlist four other nonselective Nonsteroidal anti-inflammatory agents. (6)
- 2B) Mention two uses and two adverse effects of aspirin. (2)
- 2C) Mention two selective COX-2 inhibitors and two differences over nonselective COX inhibitors. (2)
- 3A) Explain the actions of adrenaline on heart and blood vessels. (4)
- 3B) Mention four beta blockers. Mention two uses and two adverse effects of one (4)
- 3C) Mention two angiotensin converting enzyme (ACE) inhibitors. Write three uses and three adverse effects of one. (4)
- 3D) Explain the mechanism of action of digoxin. Mention two uses and two adverse effects. (4)
- 3E) Explain the mechanism of action of warfarin. Write its two uses and two adverse effects. (4)
- 3F) Write the fixed dose components of cotrimoxazole. Explain its mechanism of action and specific advantage as fixed dose combination (FDC). (4)
- 3G) Enlist two semisynthetic penicillins and explain the mechanism of action of one. Mention two prophylactic uses and two adverse effects of Penicillin G (4)
- 3H) Write briefly on Fluconazole (4)
- 3I) Enumerate two oral antidiabetic drugs. Explain the mechanism of action and write two uses and two adverse effects of one (4)
- 3J) Outline the management of status epilepticus (4)

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