

# Question Paper

Exam Date & Time: 13-Jul-2024 (10:00 AM - 12:30 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

SIXTH SEMESTER BSc. HEALTH SCIENCES DEGREE EXAMINATION - JULY 2024

SUBJECT: BHS-304 - PHARMACOLOGY

Marks: 60

Duration: 150 mins.

2) Answer the following questions in brief:

- 2A) List two cholinergic receptors and mention one response mediated through them. (2)
- 2B) List the composition of WHO-ORS. (2)
- 2C) Describe teratogenicity with a suitable example. (2)
- 2D) Explain the anti-inflammatory action of glucocorticoids. (2)
- 2E) Mention two advantages and two disadvantages of the intravenous route of drug administration. (2)
- 2F) List two parenteral iron preparations and two uses of vitamin B<sub>12</sub>. (2)

3) Answer the following questions in short:

- 3A) List two drugs used in each of the following conditions: (3)
- i) Tuberculosis
  - ii) Bronchial asthma
  - iii) Cancer
- 3B) List two drugs used for acute attack of angina. Explain the mechanism of action of nitrates. (3)
- 3C) List any three classes of antiemetics with an example for each. (3)
- 3D) Explain the mechanism of action of enalapril and list its two adverse effects. (3)
- 3E) Explain the mechanism of action of cotrimoxazole and list its two therapeutic uses. (3)
- 3F) List two drugs belonging to each of the following groups: (3)
- i) Penicillin
  - ii) Aminoglycosides
  - iii) Antifungal

4) Answer the following questions:

- 4A) Define the terms pharmacodynamics and generic name with an example for each. Explain how first-pass metabolism affects bioavailability. (5)
- 4B) Explain the mechanism of action of NSAIDs. List their two contraindications. Mention two differences between aspirin and paracetamol. (5)

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