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Reg. No.....

Name.....

SECOND YEAR B.Sc. (NURSING) DEGREE EXAMINATION, APRIL/MAY 2025

Part I

Paper II—PHARMACOLOGY

[Special Supplementary (Old Scheme 2012–2015 Admission) & Last and Final Special Mercy Chance Examinations (2007-2011 Admissions)]

Time : Two Hours

Maximum : 75 Marks

Answer Sections A and B in separate answer-books.

Section A

I. Select the best answer :

- 1 The preferred route of administration of nitroglycerine in acute angina pectoris is :
(a) Subcutaneous. (b) Sublingual.
(c) Intramuscular. (d) Intracardiac.
- 2 The antidote in Morphine overdose is :
(a) Pethidine. (b) Fentanyl.
(c) Naloxone. (d) Flumazenil.
- 3 Which of the following drugs is given before anaesthesia to reduce tracheobronchial secretions and laryngospasm ?
(a) Diazepam. (b) Glycopyrrolate.
(c) Paracetamol. (d) Succinyl choline.
- 4 Which antiepileptic produces gum hypertrophy on prolonged use :
(a) Phenobarbitone. (b) Carbamazepine.
(c) Valproate. (d) Phenytoin.
- 5 Therapeutic index is a measure of _____ of a drug.
(a) Efficacy. (b) Safety.
(c) Shelf-life. (d) Absorption.

(5 × 1 = 5 marks)

Turn over





F 8359

II. Match the following :—

- | A | B |
|------------------|---------------------------------|
| 1 Carbimazole | (a) Anticholinergic. |
| 2 Spironolactone | (b) Mood stabiliser. |
| 3 Atropine | (c) Antithyroid drug. |
| 4 Lithium | (d) Antihistaminic drug. |
| 5 Cetirizine | (e) Potassium sparing diuretic. |

(5 × 1 = 5 marks)

III. Give reasons for the following :

- 1 Lignocaine combined with adrenaline.
- 2 Morphine is contraindicated in patients with head injury.
- 3 Aspirin in myocardial infarction.
- 4 Aminoglycosides should be used cautiously in patients with renal impairment.
- 5 Folic acid is given in patients on Methotrexate.

(5 × 1 = 5 marks)

IV. Write short notes on any *four* :

- | | |
|----------------------------|----------------|
| 1 Oral hypoglycemic drugs. | 2 Acyclovir. |
| 3 Volume of distribution. | 4 Antiemetics. |
| 5 Bronchodilators. | |

(5 × 4 = 20 marks)

V. An IV infusion of 250 ml. Dextrose is to be given over 2 hours. Calculate the rate of flow.

(1 mark)

V. Name the following :

- | | |
|------------------------------------|--|
| 1 Two anti HIV drugs. | 2 Two drugs used via inhalational route. |
| 3 Two drugs used in heart failure. | 4 Two disinfectants. |

(4 × 1 = 4 marks)

Section B

I. Write the action, dose, side effects and nursing implications of any *five* of the following :

- | | |
|------------------|-----------------|
| 1 Amlodipine. | 2 Warfarin. |
| 3 Metronidazole. | 4 Atorvastatin. |
| 5 Metoprolol. | 6 Calcium. |

(5 × 4 = 20 marks)





F 8359

II. Match the following :—

A

- 1 Ringer lactate
- 2 Baclofen
- 3 Dextromethorphan
- 4 Loperamide
- 5 Lactulose

B

- (a) Muscle spasm.
- (b) Hypovolemic shock.
- (c) Constipation.
- (d) Dry cough.
- (e) Diarrhoea.

(5 × 1 = 5 marks)

III. Write the nurses responsibilities in administering the following drugs :

- | | |
|-----------------|------------------|
| 1 Adrenaline. | 2 Streptokinase. |
| 3 IV Potassium. | 4 Rifampicin. |

(4 × 2 = 8 marks)

IV. Amoxicillin syrup contains 250 mg in 5 ml. A child needs to be given 200 mg. How much quantity (ml) will you give to the child ?

(2 marks)

