



DCN-9535

Seat No. _____

Third Year B. Physiotherapy Examination

July - 2022

Pharmacology

Time : 2 Hours]

[Total Marks : 50

Instructions : (1) Figures to the right indicate full marks.
(2) Write precise and legible answers.

- 1 Answer **any two** of the following. **20**
- (a) Enumerate different routes of drug administration. Describe advantages and disadvantages of oral route.
 - (b) Classify anti hypertensive drugs. Describe mechanism of action, adverse effects and therapeutic uses of Angiotensin converting enzyme inhibitors (ACE-inhibitors).
 - (c) Classify Insulin preparations. Describe adverse reactions and therapeutic uses of Insulin.
- 2 Write short notes on **any two**. **10**
- (a) Bronchodilators
 - (b) Bioavailability
 - (c) Therapeutic uses of Non steroidal anti-inflammatory agents.
- 3 Answer in brief of **any five**. **10**
- (a) Define plasma half-life. Mention two factors affecting it.
 - (b) Write two methods to increase duration of local anaesthesia.
 - (c) Mention two therapeutic uses of Metronidazole.
 - (d) Name two fluoroquinolones and write two therapeutic uses.
 - (e) Name two skeletal muscle relaxants and write two therapeutic uses.
 - (f) Write four therapeutic uses of selective beta-1 blockers.

4 Multiple choice questions. Select one most appropriate answer. (All are compulsory) **10**

- (1) Paracetamol is marketed by pharmaceutical companies as metacin which is its :
 - (a) Chemical name
 - (b) Brand name.
 - (c) Generic name
 - (d) Non-proprietary name
- (2) Which of the following is an example of physiological antagonism?
 - (a) Adrenaline and histamine
 - (b) Acetyl choline and atropine
 - (c) Adrenaline and propranolol
 - (d) Calcium and magnesium
- (3) Drug induced disease is called
 - (a) Orphan disease
 - (b) Rare disease
 - (c) Iatrogenic disease
 - (d) Idiosyncratic disease
- (4) Drug of choice for treatment of belladonna poisoning is
 - (a) Phystostigmine
 - (b) Neostigmine
 - (c) Pralidoxime
 - (d) Pyridostigmine
- (5) Which of the following agent reduces absorption of cholesterol from gut?
 - (a) Pitavastatin
 - (b) Niacin
 - (c) Ezetimibe
 - (d) Fenofibrate
- (6) All of the following adverse reactions may occur on using lignocaine for spinal anaesthesia Except :
 - (a) Hypertension
 - (b) Hypotension
 - (c) Headache
 - (d) Cauda equine syndrome

- (7) All of the following group of anti microbial agents are bactericidal Except
- (a) Aminoglycosides (b) Penicillines
(c) Cephalosporins (d) Erythromycin
- (8) All of the following are aminoglycosides Except.
- (a) Streptomycin (b) Amoxicillin
(c) Tobramycin (d) Gentamycin
- (9) All are rapidly acting insulin Except
- (a) Insulin Lispro (b) Insulin Glargine
(c) Insulin Aspart (d) Insulin glulisine
- (10) Which of the following is not the use of chloroquine?
- (a) Malaria (b) Hepatic amoebiasis
(c) Intestinal amoebiasis (d) Rheumatoid arthritis
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