



**HAY-9535**

Seat No. \_\_\_\_\_

**Third Year B. Physiotherapy Examination**

**July - 2017**

**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) Classify anti-hypertensive drugs. Describe the mechanism of action, therapeutic uses and adverse effects of ACE inhibitors.
  - (b) Enumerate the drugs used in the treatment of Epilepsy. Write down the mechanism of action, therapeutic uses and adverse effects of Phenytoin.
  - (c) Enumerate the drugs used in the treatment of Bronchial asthma. Write down the mechanism of action, adverse effects and various routes of administration of Salbutamol.
- 2** Write short notes on any **two** : **10**
- (a) Metoclopramide
  - (b) Adverse effects of glucocorticosteroids
  - (c) Therapeutics uses of Propranolol
- 3** Answer in brief of any **five** : **10**
- (a) Write two advantages and two disadvantages of parenteral route of drug administration.
  - (b) Name two oral and two parenteral iron preparations used for the treatment of Iron deficiency anaemia
  - (c) Name two loop diuretics and their two adverse effects.
  - (d) Write down the drug therapy of Category I Tuberculosis treatment according to RNTCP.
  - (e) Name two non-selective COX inhibitors and two selective COX -2 inhibitors.
  - (f) Name four third generation Cephalosporins.

4 Multiple Choice Questions. Select on most appropriate answer : (All are compulsory) **10**

- (1) When a drug binds to the receptor and inhibits the action of an agonist is called as?
  - (a) Partial agonist
  - (b) Inverse agonist
  - (c) Antagonist
  - (d) Agonist
- (2) Which of the following drug is an anticholinergic drug?
  - (a) Neostigmine
  - (b) Acetylcholine
  - (c) Physostigmine
  - (d) Atropine
- (3) Which of the following is a sulfonylurea?
  - (a) Metformin
  - (b) Glimepride
  - (c) Pioglitazone
  - (d) Acarbose
- (4) Thiazide diuretics acts on which site in the nephron?
  - (a) Proximal convoluted tubule
  - (b) Loop of henle
  - (c) Early distal convoluted tubule
  - (d) Late distal convoluted tubule
- (5) Which skeletal muscle relaxant drug is eliminated by Hoffman's elimination?
  - (a) Atracurium
  - (b) Vecuronium
  - (c) Pancuronium
  - (d) Rocuronium
- (6) Which of the following is not a constiuent of Oral Rehydration Salt?
  - (a) Sodium Chloride
  - (b) Sodium Nitrate
  - (c) Potassium Chloride
  - (d) Trisodium Citrate

- (7) Which of the following is an anti-platelet drug?
- (a) Heparin                      (b) Streptokinase  
(c) Warfarin                      (d) Clopidogrel
- (8) Artesunate is an
- (a) Antimalarial drug   (b) Antiviral drug  
(c) Antifungal drug   (d) Antihelminthic drug
- (9) Which of the following is a potassium channel opener?
- (a) Glyceryl trinitrate   (b) Metoprolol  
(c) Nicorandil              (d) Verapamil
- (10) Which of the following is an antidepressant drug?
- (a) Imipramine              (b) Alprazolam  
(c) Chlorpromazine        (d) Diazepam
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