



MO-201722

Seat No. _____

Second Year M. B. B. S. Examination

January - 2018

Pharmacology : Paper - I

Time : 2 Hours]

[Total Marks : 40

- Instructions :**
- (1) Write section-I and section-II in **separate** answer sheet.
 - (2) Figures to **right** indicate full marks.
 - (3) Write to the point and legibly.

SECTION - I

- 1** Write any **one** of the following : **8**
 - (a) Enumerate major types of epilepsy. Describe mechanism of action, pharmacokinetic and adverse effects of phenytoin.
 - (b) Classify sympatholytics. Describe therapeutic uses adverse effects and contraindication of metoprolol.

- 2** Write any **two** : **6**
 - (a) Pharmaceutical factors affecting bioavailability.
 - (b) Compare and contrast morphine and pethidine.
 - (c) Pharmacological basis of pralidoxime for treatment of organophosphorous poisoning.

- 3** Answer in brief : **6**
 - (a) Describe mechanism of action of amphetamine.
 - (b) Name four prodrug.
 - (c) Why thiopental sodium has very quick onset and short duration of action ?
 - (d) Give reason : Sodium restricted diet is not advisable during lithium therapy.
 - (e) Write one advantage and one disadvantage of selective COX-2 inhibitor.
 - (f) Why 4-methylpyrazole is useful in methyl alcohol poisoning.

SECTION - II

- 4 Write any **one** of the following : 8
- (a) Classify drugs used for treatment of congestive cardiac failure. Describe mechanism of action, therapeutic uses and adverse drug reactions of digoxin.
 - (b) Classify anti coagulants. Describe mechanism of action, therapeutic uses and adverse reactions of warfarin.
- 5 Write any **two** : 6
- (a) Amlodipine.
 - (b) Pharmacological basis of use of hydrochlorothiazide for treatment of hypertension.
 - (c) Compare and contrast captopril and losartan
- 6 Answer in brief : 6
- (a) Describe mechanism of action of pancuronium.
 - (b) Name two drugs use for cyanide poisoning.
 - (c) Write two uses of desmopressin.
 - (d) Name two drug which induce parkinsonism.
 - (e) Write four desirable property of plasma expander.
 - (f) Name iron preparation given by Z track technique, why it is given by this technique ?
-