

**BB-3714****Second Year M. B. B. S. Examination**

November / December - 2017

Pharmacology : Paper - I

Time : 2 Hours]

[Total Marks : 40

Instructions :

(1)

Fill in the details of signs on your answer book. Fillup strictly the details of signs on your answer book.		Seat No. : <table border="1"><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>						
Name of the Examination : S. Y. M. B. B. S.		<table border="1"><tr><td colspan="2">Student's Signature</td></tr></table>	Student's Signature					
Student's Signature								
Name of the Subject : PHARMACOLOGY : PAPER - 1								
Subject Code No. : 3 7 1 4 Section No. (1, 2,) : 1&2								

(2) Answers must be brief, precise and to the point.

(3) Always give suitable examples and draw figures where necessary.

SECTION - I**1 Answer the following :****10**

- Why ACE inhibitors not used with K^+ sparing diuretics?
- Give two examples of "hit and run" drug.
- Describe "therapeutic window" phenomenon.
- Name the physiological antagonist to histamine used as life saving drug in patients of anaphylactic shock.
- Name two topically useful drugs in a patient of bronchial asthma.
- Explain affinity and intrinsic activity of a drug in relation to receptors giving example.
- Name two drugs with low therapeutic index.
- Name two drugs from different class for treatment of open angle glaucoma.
- Give four examples of drugs used as transdermal patch.
- Two therapeutic uses of lactulose.

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[Contd...



2 Answer any **four** of the following : 8

- (a) Discuss the side effects and contraindications to beta-blockers.
- (b) Enumerate parental iron preparations. Mention the indications for parental iron therapy.
- (c) Enumerate & write the therapeutic uses of fibrinolytic agents.
- (d) Write a short note on direct rennin inhibitors.
- (e) Enlist anti-coagulants used in vivo. Describe the advantages of uses of LMW heparins.

SECTION - II

3 Answer any **four** of the following : 12

- (a) Enumerate HMG-CoA reductase inhibitors. Write their uses & adverse effects.
- (b) Enlist various anti-platelet drugs. Describe their mechanism of action & therapeutic status in clinical practice.
- (c) Uses of prostaglandin.
- (d) Uses of alpha blockers.
- (e) Enumerate the adverse effects of anti-cholinergic prototype drug atropine.

4 Answer any **two** of the following : 10

- (a) Write the classification of diuretic agents. Write the mechanism of action, uses and side effects of thiazide diuretics.
- (b) Classify drugs for the management of peptic ulcer. Write the mechanism of action and adverse effects of proton-pump inhibitors and ulcer protecting agent.
- (c) Classify various antiemetic agents. Describe in detail the mechanism of action, adverse effects and uses of prokinetic drugs.