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BB-3714

Second Year M. B. B. S. Examination

November / December - 2017

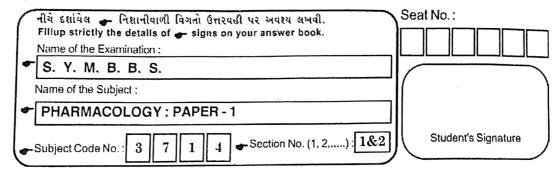
Pharmacology: Paper - I

Time: 2 Hours]

[Total Marks: 40

Instructions:

(1)



- (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:

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

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2 Answer any four of the following:

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- (a) Discuss the side effects and contraindications to betablockers.
- (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:

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- (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:

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- (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.