



K-4011

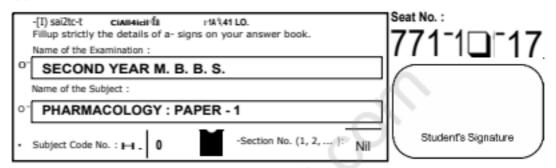
Second Year M. B. B. S. Examination September / October — 2012

Pharmacology : Paper - I

Time :2 Hours] [Total Marks : 40

Instructions:

(I)



- Write to the point.
- Give suitable examples.
- Draw diagram if necessary.

1 Answer the following briefly:

[9]

- 1. What is shelf-life of a drug?
- 2. Why physostigmine is preferred over neostigmine in belladonna poisoning "i
- 3. Define an antagonist and give a suitable example.
- 4. Mention four drugs useful in constipation.
- 5. What is therapeutic window phenomenon?
- 6. Name two ganglion blockers and two ganglionic stimulant drugs.
- 7. What is the difference between dose and dosage ?
- 8. Why aspirin is useful at low dose for antiplatelet aggregatory action?
- 9. Mention two advantages of home-made ORS.

2 Answer any three of the following:

[9]

- Enumerate alfa blockers. Mention uses and ADRs of phentolamine.
- Enlist various drugs used in CCF. Explain mechanism of action and ADRs of digoxin.
- 3. Compare and contrast ranitidine and omeprazol.
- Which are various anticoagulants used in vivo ? Mention advantages and uses of LMW heparins.
- Describe drug therapy for PSVT and Atrial flutter.

3 Answer any four of the following:

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- Classify antiemetics. Describe the mechanism of action and ADRs of metoclopramide.
- 2. Outline pharmacotherapy of acute bronchial asthma.

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- 3. Define adverse drug reaction. Describe various types of ADRs in detail.
- 4. Enlist various cholinergic agents. Outline therapy for glaucoma.
- Classify antianginal drugs. Describe mechanism of action, ADRs and uses of nitrates.

4 Answer any two of the following:

[10]

- 1. What is bioavailability? Describe various factors affecting bioavailability.
- Describe synthesis, storage, release and metabolism of noradrenalin with the drugs affecting release process.
- Classify various adrenergic agents according to their action. Describe various adrenergic drugs useful in the treatment of shock.

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