



Name :

Roll No. :

Invigilator's Signature :

**CS/B.OPTM/SEM-3/BO-304/2011-12
2011**

PHARMACOLOGY (GENERAL & OCULAR)

Time Allotted : 3 Hours

Full Marks : 70

The figures in the margin indicate full marks.

*Candidates are required to give their answers in their own words
as far as practicable.*

GROUP – A

(Multiple Choice Type Questions)

1. Choose the correct alternatives for the following :

10 × 1 = 10

i) Which is not an inhalational anaesthetic ?

- a) Nitrous oxide b) Ketamine
c) Chloroform d) Ether.

ii) All are viscoelastic substances *except*

- a) Indocyanine b) Na-hyaluronate
c) Collagen d) Chondroitin sulphate.

iii) All are topical antibiotic eye drops *except*

- a) Tobramycin b) Fluoromethalone
c) Moxifloxacin d) Ofloxacin.

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- iv) The B-blocker from the following is
- a) Pilocarpine b) Timolol
c) Clonidine d) Morphine.
- v) All are anti-glaucoma drugs *except*
- a) Acetazolamide b) Bimatoprost
c) Brimonidine d) Lignocaine.
- vi) Which is not a steroid of the following drugs ?
- a) Prednisolone b) Betamethasone
c) Hydrocortisone d) Flurbiprofen.
- vii) Which of the following is *not* an indication for using viscoelastic substances ?
- a) Facilitate safe and easy IOL fixation
b) Protect corneal endothelium
c) Reduce corneal inflammation
d) In gonioscopic examination.
- viii) Atropine is an example of
- a) parasympatholytic mydriatic
b) sympathomimetic mydriatic
c) sympatholytic drug
d) none of these.

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- ix) Application of pharmacological information together with knowledge of its prevention, mitigation or cure is known as
- a) chemotherapy
 - b) Pharmacy
 - c) Clinical pharmacology
 - d) Pharmacotherapeutics.
- x) Pharmacokinetics explores
- a) what the body does to the drug
 - b) what a drug does to the body
 - c) both (a) and (b)
 - d) none of these.

GROUP – B

(Short Answer Type Questions)

Write short notes on any *three* of the following.

3 × 5 = 15

- 2. Factors influencing drug metabolism.
- 3. Opioid analgesics.
- 4. Acute drug poisoning and its management.
- 5. Complications and side effects of prolonged use of steroid eye drops.

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GROUP – C

(Long Answer Type Questions)

Answer any *three* of the following.

3 × 15 = 45

6. Discuss the various classes of drugs that can act on the autonomic nervous system. Discuss their uses and effects.
7. a) What happens to a drug after it is administered systematically ? How is it removed from the body ?
b) Discuss drug toxicity. 10 + 5
8. a) What are Hypnotics ? Give examples. Explain the mechanism of action of any one such drug.
b) How are such drugs excreted from the body ?
c) What will be the effects of overdose toxicity of such a drug ? 5 + 5 + 5
9. a) Classify analgesic-antipyretic drugs, giving examples of each class.
b) Discuss the mechanism of action and side effects of any one such drug. 7 + 8
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