



Name :

Roll No. :

Invigilator's Signature :

CS/BOPTM/SEM-3/BO-304/2012-13

2012

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 : $10 \times 1 = 10$
- i) Intra muscular injection should be avoided in a patient taking
 - a) systemic antibiotics b) antihypertensives
 - c) anticoagulants d) antihypertensives.
 - ii) Name the B-blocker from the following
 - a) Pilocarpine b) Timolol
 - c) Clonidine d) Morphine.
 - iii) Morphine is a
 - a) Synthetic drug b) Semi-synthetic drug
 - c) Natural drug d) Bio-synthetic drug.

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- iv) Intracameral route of drug delivery is
- a) injection into vitreous
 - b) injection in the anterior chamber
 - c) injection under tenon s capsule
 - d) injection into the ciliary body.
- v) The cardinal feature of general anaesthesia is
- a) loss of all sensations
 - b) sleep and amnesia
 - c) immobility, relaxation of muscles
 - d) all of these.
- vi) 'Reholobular' injection is
- a) local route
 - b) systemic route
 - c) both (a) and (b)
 - d) none of these.
- vii) Xerophthalmia should be treated with
- a) Atropine
 - b) Acyclovir
 - c) Ciprofloxacin
 - d) Vitamin A.
- viii) Drug used for motion sickness, as trans dermal patch
- a) Aspirin
 - b) Frusemide
 - c) Morphine
 - d) Scopolamine.
- ix) All are viscoelastic substances except
- a) Indocyanine
 - b) Na-hyaluronate
 - c) Collagen
 - d) Chondroitin sulphate.
- x) Which is the non-synthetic reaction ?
- a) Oxidation
 - b) Reduction
 - c) Hydrolysis
 - d) All of these.



GROUP – B

(Short Answer Type Questions)

Write short notes on any *three* of the following. $3 \times 5 = 15$

2. Bioavailability of drugs.
3. Competitive antagonism.
4. Topical steroid eye drops and their side effects.
5. Mechanism of intraocular penetration of topical eye drops.

GROUP – C

(Long Answer Type Questions)

Answer any *three* of the following. $3 \times 15 = 45$

6. What are the factors influencing drug absorption ? Explain with examples.
7. What are the pharmacological actions of Morphine ?
8. Name 3-routes of drug delivery in ophthalmic practice. Give examples of each.
9. What is glaucoma ? How are glaucoma patients treated ?

