	Uilegh
Name:	
Roll No.:	A distance of Knowledge Staff Confident
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.

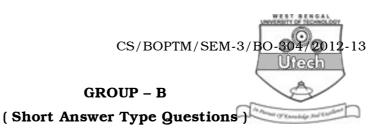
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- iv) Intracameral route of drug delivery is
 - a) injection into vitreous
 - b) injection in the anterior chamber
 - c) injection under tenon s capsule
 - d) injection into the ciliary body.
- v) The cardinal feature of general anaesthesia is
 - a) 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.

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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.

$\label{eq:GROUP-C} \textbf{GROUP-C}$ (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 glaucome? How are glaucoma patients treated?

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