

I - B. Optom. Sem - II : Winter - 2018
SUBJECT: RELATED SCIENCES

Day: Friday

Time: -

Date: 23-11-2018

W. 2018-3721

Max Marks: 20

N.B.:

Section-A is given on a separate sheet has to be answered on the **SAME** sheet.
This sheet should be completed within the **first 30 minutes** of starting of the
Examination. This sheet with **Section- A** only will be collected by the supervisor.

Seat No _____

SECTION-A

Q.1 A) Fill in the blanks. (10)

- i) _____ is a culture media used for fungi.
- ii) _____ is responsible for ocular infections due to contaminated solutions- & instruments.
- iii) Therapeutics is branch _____.
- iv) Dendritic ulcer is caused by _____.
- v) T lymphocytes are responsible for _____.
- vi) _____ bacteria commonly causes Gas Gangrene.
- vii) One of the causes of bleeding disorders is _____.
- viii) IV Mannitol is used in the treatment of _____.
- ix) Parasympathomimatic drugs have _____ action to Acetylcholine.
- x) Cyclopentolate is _____ drug.

B) State True or False: (10)

- i) Side effect of Timolol Maleate is to raise IOP.
- ii) The Ocular effect of Prostaglandin is breakdown of blood aqueous barrier.
- iii) Phenylephrine affects the accommodation.
- iv) Betaxalol is selective β blocker.
- v) Acyclovir is an antiviral drug.
- vi) For fastest action of drug is to be given is orally.
- vii) In signs of Inflammation, dolor refers to redness.
- viii) Leprosy is also called as Koch's disease.
- ix) Binary fission is a kind of asexual reproduction in bacteria.
- x) Rose Bengal is used to stain living tissue.

Signature of invigilator: _____

Signature of examiner _____

Marks obtained:

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I -B.OPTOM. SEM – II : WINTER - 2018
SUBJECT: RELATED SCIENCES

Day: Friday
Date: 23/11/2018

W-2018-3721

Time: 10.00 AM TO 01.00 PM
Max Marks: 50

N.B.:

- 1) There are **THREE** sections as-
Section- A = Objectives types questions = 20 Marks.
Section- B= Long questions = 20 Marks.
Section- C= Short questions = 30 Marks.
 - 2) **Section- A** is given on a separate sheet and has to be answered on the starting of the examination. This sheet with **Section-A** only will be collected by the supervisor.
 - 3) **Section-B** has 3 long questions and **Any Two** questions have to be answered on the separate answer sheet.
 - 4) **Section- C** has short questions **Any Five** questions have to be answered on the separate answer sheet.
 - 5) Draw neat labeled diagram wherever necessary.
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SECTION B

Q.2 Answer in detail ant **TWO** of the following: **(20)**

- i) Discuss in detail mechanism of actions, dosage, side effects and uses of topical anesthetics in ophthalmic practice.
- ii) Write in detail about Inflammation and Repair.
- iii) Describe in detail about thrombo-emboli

SECTION C

Q.3 Write short note on any **FIVE** of the following: **(30)**

- i) Difference between Bacteria, Fungus and Virus.
- ii) Tabulate all Cycloplegic drugs with their actions, onset, concentration, dosage and side effects.
- iii) Gram staining
- iv) Define Disinfection and explain various methods of it.
- v) Routes of Drug administration.
- vi) Tabulate various Miotic drugs
- vii) Stains and Dyes

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