

I-B. OPTOM. SEM-II: SUMMER- 2022
SUBJECT: RELATED SCIENCES

S- 832-2022

Note: Section-A is given on a separate sheet and has to be answered on the same sheet. This sheet should be completed within the first 30 minutes of starting of the examinations. This sheet with Section-A only will be collected by Supervisor.

Seat No.: _____

Day: Tuesday
Date: 12-07-2022

SECTION-A

Q.1 Fill in the blanks: (10)

- a) Isoniazid drug is used for _____.
- b) Pupil get _____ by pilocarpine.
- c) Primary focus in Tuberculosis is called as _____.
- d) Prostaglandins decreases IOP by increasing _____ outflow.
- e) _____ Tumors metastasize.
- f) _____ Route is the safest route of drug administration.
- g) Ophthalmia Neonatrum is caused by _____.
- h) Hemophilia is caused by absence of _____ clotting factor.
- i) _____ kills all microorganisms with spores.
- j) Normal intra ocular pressure is _____.

Q.2 State True or False: (10)

- a) Atropine causes constriction of pupil.
- b) Pseudomembranous conjunctivitis is caused by diphtheria.
- c) Beta blockers are contraindicated for asthma.
- d) Cellular immunity is due to T lymphocyte.
- e) Rose Bengal stains living tissue.
- f) Adrenaline acts on muscarinic receptor.
- g) Aspirin is drug of choice for viral keratitis.
- h) Gram positive bacteria stain pink.
- i) Formation of clot in intact circulation is called embolus.
- j) Pica is one of the symptoms of anemia.

Signature of the Invigilator: _____
Signature of the Examiner: _____

Total Marks Obtained: _____

BACHELOR OF CLINICAL OPTOMETRY
I-B. Optometry Sem-II :SUMMER- 2022
SUBJECT : RELATED SCIENCES

Day : Tuesday
Date : 12/7/2022

S-832-2022

Time : 10:00 AM-01:00 PM
Max. Marks : 70

N.B.:

- 1) There are **THREE** sections as:
Section-A = Objective 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 same.
 - 3) **Section-B** has Long questions and **ANY TWO** questions have to be answered on the **SEPARATE** answer sheet.
 - 4) **Section-C** has Short questions and **ANY FIVE** questions have to be answered on the **SEPARATE** answer sheet.
 - 5) Draw neat diagram **WHEREVER** necessary.
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SECTION-B

Q.2 Answer **ANY TWO** of the following: **(20)**

- a) Discuss about anti glaucoma drugs in detail.
- b) Write down the differences between bacteria, fungi and virus in detail.
- c) Write in detail about methods of sterilization and disinfection.

SECTION-C

Q.3 Answer **ANY FIVE** of the following: **(30)**

- a) Write a note on inflammation and its clinical signs.
- b) Write a note on sympathomimetic drugs.
- c) Explain the various dyes and stains used in ophthalmology.
- d) Explain the mechanism of action of steroids and also write about side effects of using steroids.
- e) Write a note on Tuberculosis.
- f) Write a note on embolism.

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