## MASTER OF OPTOMETRY
### F. Y. M. Optom.   :  SUMMER – 2022
### SUBJECT : BASIC SCIENCES

Day : Tuesday                                                    Time : 10:00 AM-12:00 PM

Date : 22-11-2022                **S-803-2022**                Max. Marks : 50

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**N.B.**

1) **Section – A** is of objective questions for total 20 marks.
2) **Section – B** is of short questions for total 30 marks.
3) Answer to both the sections should be written in **SEPARATE** answer book.

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### SECTION – A

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

1) _____ route of drug administration is best for low lipid solubility such as penicillin into eye.

2) _____ is the main target site in eye in toxoplasmosis.

3) _____ drug can be prescribe for prevention of adhesion in uveitis.

4) _____ is the last stage of vitamin A deficiency.

5) _____ is the yoke muscle for left inferior oblique.

6) _____ is a non-selective Beta 1 and Beta 2 anti-glaucoma agent.

7) Corneal epithelium is developed from _____.

8) ELISA stands for _____.

9) Optic nerve consists of axons of _____.

10) _____ is used to stain devitalized cells.

**B)**  **State True or False:**                                                          **(10)**

1) Corneal epithelium replaces itself about once a week.

2) Premature infants can develop retrolental fibroplasia.

3) Stereopsis is well developed by 3 to 6 months.

4) Macula is barely functional at birth.

5) The difference between the dioptric power needed to focus at near point and to focus at far point is called punctum remotum.

6) OKN is present since birth.

7) The Gram positive bacteria appear dark purple in Gram staining.

8) CMV infection is manifested in eye as varying degrees of chorioretinitis.

9) Accommodation is well developed by 4 months.

10) T- lymphocytes take part in cellular immunity.

                                                                                    P.T.O.

**Q.2** Answer any **SIX** of the following: **(30)**

a) Write a note on parasympatholytic drugs.

b) Write a note on repair mechanism.

c) What are the drugs that can be used to decrease the aqueous formation?

d) Discuss the factor which affects the drug permeability across the cornea.

e) Explain the anatomy of angle of anterior chamber in detail.

f) Write a note on factors affecting contrast sensitivity.

g) Write a note on sterilization.

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