

**II – B. OPTOM. SEM – IV: SUMMER - 2022**  
**SUBJECT: EYE INVESTIGATION AND DISEASE**

Day : Wednesday

Date : 13-07-2022

Time: -

Max. Marks : 20

S-843-2022

**Note:**

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

Seat No.: \_\_\_\_\_

Day and Date: \_\_\_\_\_

**SECTION – A**

**Q. 1** Match the following: **(10)**

- |                    |  |
|--------------------|--|
| a) F. F. A.        | i) Objective refraction                |
| b) Schirmer's test | ii) Stains dead cells                  |
| c) Keratometer     | iii) Measures corneal thickness        |
| d) VEP             | iv) Measures visual acuity in children |
| e) Retinoscope     | v) Detects vascular abnormalities      |
| f) Pachymetry      | vi) Measures corneal curvature         |
| g) Rose Bengal     | vii) Lacrimal function test            |
| h) Trauma to lens  | viii) Rosette cataract                 |
| i) Best's disease  | ix) Acquired macular degeneration      |
| j) ARMD            | x) Genetic macular degeneration        |

**Q. 2** State True or False (If False give reason) **(05)**

- a) Schiotz tonometer given more accurate results than Goldman tonometer.
- b) Alkali burns are more dangerous than acid burns.
- c) Yellow-green barrier filter blocks the yellow-green light.
- d) Dark adaptation is much faster process than light adaptation.
- e) Each letter of log – MAR chart line is designated to 0.02 log unit.

**Q. 3** Fill in the blanks: **(05)**

- a) RNFL is best seen by \_\_\_\_\_ light.
- b) The HVF 30 – 2 indicates \_\_\_\_\_
- c) Define nystagmus \_\_\_\_\_
- d) \_\_\_\_\_ slit-lamp illumination technique is use to check corneal endothelium.
- e) Day blindness is also called as \_\_\_\_\_

**Total Marks Obtained:** \_\_\_\_\_

**Signature of the Invigilator:** \_\_\_\_\_

**Signature of the Examiner:** \_\_\_\_\_

**P. T. O.**

**BACHELOR OF CLINICAL OPTOMETRY**  
**II-B. Optometry Sem-IV :SUMMER- 2022**  
**SUBJECT : EYE INVESTIGATIONS & DISEASE**

Day : Wednesday  
Date : 13-07-2022

**S-843-2022**

Time : 10:00 AM-01:00 PM  
Max. Marks : 50

**N. B.:**

- 1) There are **THREE** sections as:  
Section **A** = Objective type questions 20 Marks  
Section **B** = Objective type questions 20 Marks  
Section **C** = Objective type questions 30 Marks
- 2) Section **A** is given on a separate sheet and has to answer on the same sheet.  
This sheet should be completed with the first 30 minutes of 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 only **TWO** questions have to be answered on the **SEPARATE** answer books.
- 3) Section **C** has 6 short questions and only **FIVE** questions have to be answered on the **SEPARATE** answer books.
- 3) Draw neat and labelled diagrams **WHEREVER** necessary.

**SECTION – B**

- Q.3** Answer **ANY TWO** in detail: (20)
- a) What are the indication of FFA? Write about Hyper-fluorescence and Hypo-fluorescence. Write about the various phases of FFA.
  - b) Write components of visual acuity. Explain construction and procedure of measurement of log MAR chart.
  - c) Write about working principle and different illumination techniques of slit-lamp.

**SECTION – C**

- Q.4** Answer **ANY FIVE** of the following: (30)
- a) Write about CRVO.
  - b) Importance of counselling in optometric patient management.
  - c) Pre and post contract surgery patient management.
  - d) Short note on Diabetic retinopathy.
  - e) Colour vision testing.
  - f) Write about the difference between A scan and B scan.

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