



BRAINWARE UNIVERSITY

Term End Examination 2025-2026

Programme – B.Optomtry-2021/B.Optomtry-2022/B.Optomtry-2023

Course Name – Public Health & Community Optometry

Course Code - BOPTOC603

(Semester VI)

Full Marks : 60

Time : 2:30 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question)

1 x 15=15

1. Choose the correct alternative from the following :

- (i) Identify which of the following is not considered as a determinant of health
 - a) Access to healthcare services
 - b) Socioeconomic status
 - c) Genetic makeup
 - d) Religious beliefs
- (ii) The newer concept of Health includes
 - a) it's a state of complete physical well being
 - b) it's a fundamental human right,
 - c) it's a state of complete mental well being
 - d) it's a state of complete social well being
- (iii) Which of the following best defines public health?
 - a) The study of individual health behaviors
 - b) The promotion and protection of the health of populations
 - c) The treatment of diseases in hospital settings
 - d) The provision of healthcare services to individuals
- (iv) Express the main purpose of vaccination programs.
 - a) Provide treatment for existing diseases
 - b) Prevent the spread of infectious diseases
 - c) Promote healthy lifestyle behaviors
 - d) Increase healthcare expenditure
- (v) Predict the leading cause of blindness globally.
 - a) Glaucoma
 - b) Diabetic retinopathy
 - c) Cataract
 - d) ARMD
- (vi) Recall the primary cause of nutritional blindness related to Vitamin A deficiency.
 - a) Overconsumption of Vitamin A-rich foods
 - b) Lack of sunlight exposure
 - c) Inadequate intake of Vitamin A-rich foods
 - d) Excessive intake of Vitamin A supplements
- (vii) What is the STAT dose of vitamin A intake for individuals with VAD to prevent deficiency?
 - a) 100000 IU
 - b) 200000 IU
 - c) 50,000 IU
 - d) 80,000 IU
- (viii) What is the most common ocular manifestation of Vitamin A deficiency?
 - a) Cataracts
 - b) Macular degeneration

- c) Xerophthalmia
(ix) Which of the following can be a risk factor for developing glaucoma?
a) Hypertension
c) Family history
(x) Which of the following accurately represents optometrist's role in public health?
a) Performing eye surgeries
c) Administering vaccines
(xi) IAPB was founded in the year
a) 2000
c) 1980
(xii) An example of tertiary eye care is
a) BPHC
c) DH
(xiii) Why health manpower planning is necessary?
a) to run public health
c) to prevent disease
(xiv) Identify the signs or symptoms that could potentially indicate a vision problem in school-age children
a) Increased interest in reading
c) Improved performance in sports activities
(xv) Identify which activity best represents an IEC initiative aimed at promoting eye care.
a) Distributing flyers about a new restaurant
c) Conducting vision screenings in schools
d) Glaucoma
b) Increased age
d) All of the above
b) Providing primary eye care services
d) Conducting dental exams
b) 2020
d) 1975
b) PHCs
d) AIIMS
b) to utilize resources
d) to develop infrastructure
b) Frequent headaches or eye strain
d) Enhanced social skills
b) Hosting a movie night in the community
d) Offering discounts on fashion accessories

Group-B

(Short Answer Type Questions)

3 x 5=15

2. What are the levels of health care? (3)
3. Discuss the target diseases under NPCBVI (3)
4. Identify the recommended dosage and frequency of Vitamin A supplementation for VAD. (3)
5. Discuss what role optometrists can play in designing and implementing teleoptometry programs for public health initiatives. (3)
6. Evaluate the epidemiological determinants for blindness. (3)

OR

Grade the clinical features of VAD as per WHO ? (3)

Group-C

(Long Answer Type Questions)

5 x 6=30

7. Differentiate communicable and non communicable eye disease with one example. (5)
8. Illustrate SAFE strategy with respect to Onchocirciasis. (5)
9. Analyze the different types of benefits provided under the ESI scheme (5)
10. What are the major objectives of NPCBVI? (5)
11. Identify the populations that are at risk of developing nutritional blindness. (5)
12. Correlate VISION 2020 & INSIGHT 2030. (5)

OR

Illustrate the mission and strategies of In Sight 2030 In Sight. (5)
