



Avinashilingam Institute for Home Science and Higher Education for Women

Deemed to be University Estd. u/s 3 of UGC Act 1956, Category 'A' by MHRD (now MoE)

Re-accredited with 'A++' Grade by NAAC. CGPA 3.65/4, Category I by UGC

Coimbatore - 641 043, Tamil Nadu, India

Bachelor's Degree Examination – May 2025

IV Semester

Class : II UG
Major : Optometry

Time: 3 Hours
Max. Marks: 100

22BOPD04 Public Health and Community Optometry

Course outcomes:

On the successful completion of the course, students will be able to

- CO1: To understand the foundation and basic sciences of public health optometry and health care systems.
CO2: To learn about organization of health care services.
CO3: To acquire knowledge on public health care programs.
CO4: To understand the modes of vision care delivery system.
CO5: To know about Tele Optometry and its application in public health.

Part A Choose the Correct Answer

10 x 1 = 10

- _____ is the leading cause of blindness. CO3 K1
a. Cataract b. Strabismus
c. Glaucoma d. Diabetic retinopathy
- The following one is not an approach to promote health CO1 K1
a. Healthy population b. Healthy lifestyle
c. Healthy environment d. Healthy birthweight
- Crude Death Rate (CDR) is defined as the no. of population per ___population per year in a given community. CO1K1
a. 1000 b. 100
c. 10000 d. 100000
- Prevention of the initiation or progress of risk factors is called as ___prevention. CO1K2
a. Primordial b. Primary
c. Secondary d. Tertiary
- NPCB was launched in the year _____. CO3 K2
a. 1976 b. 1876
c. 2016 d. 2006
- _____ is the study of distribution of health care. CO4 K1
a. Health economics b. Epidemiology
c. Bio-informatics d. Data science
- NPCB stands for CO4 K1
a. National Prevention of Community Blindness
b. National Programme for Control of Blindness
c. National Programme for Community Optometry
d. National Prevention of Controllable blindness

8. Expansion of MMR and IMR CO1 K2
 a. Maternal Mortality Rate and Infant Mortality Rate
 b. Maternal Mortality Record and Infant Mortality Record
 c. Maternal Mortality Registry and Infant Mortality Registry
 d. Maternal Mortality Ratio and Infant Mortality Ratio
9. The following steps are importance of tele optometry. CO5 K2
 a. It is limited to urban areas
 b. It improves access to specialists and early diagnosis
 c. It focuses on cosmetic eye treatment
 d. All of the above
10. According to WHO, what level of vision is termed as low vision? CO3 K1
 a. 6/36 b.6/18 c.6/60 d. 3/60

Part B

5 x 6 = 30

Answer ALL questions

Each answer should not exceed 400 words or two pages

- 11.a. Explain the determinants of health. Explain each in brief. CO1 K2
 (or)
- 11.b. Differentiate between clinical and community health care programmes. CO2 K2
- 12.a. Define blindness and describe the types of blindness. CO3 K1
 (or)
- 12.b. Write the steps involved in the screening of diseases. CO2 K2
- 13.a. Explain IEC for eye care programs in brief. CO4 K1
 (or)
- 13.b. Write about the promotional aspects of health programmes. CO4 K1
- 14.a. Write a brief note on various national and international health agencies. CO3 K2
 (or)
- 14.b. Write in brief about Vision 2020 and its achievements. CO3 K2
- 15.a. Write a note on the objectives of NPCB. CO3 K3
 (or)
- 15.b. Explain the role of Optometrists in school eye camps. CO5 K2

Part C

5 x 12 = 60

Answer ALL questions

Each answer should not exceed 800 words or four pages

- 16.a. Explain in detail about health indicators. CO1 K2
 (or)
- 16.b. Classify the dimensions of health and explain each. CO1 K2
- 17.a. Explain the levels of health care patterns. CO2 K2
 (or)
- 17.b. Describe the levels of disease prevention. CO2 K1
- 18.a. Explain in detail about the Community Based Rehabilitation (CBR). CO3 K1
 (or)
- 18.b. Explain in detail about Vitamin A deficiency and its effects on eye. CO3 K1
- 19.a. Explain Tele-Optometry & its applications in detail. CO5 K1
 (or)
- 19.b. Explain in detail about the evaluation and assessment of health programmes. CO4 K1
- 20.a. Write in detail about health manpower planning. CO4 K1
 (or)
- 20.b. Elaborate the role of Optometrist in public health. Explain each in detail. CO5 K1