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BRAINWARE UNIVERSITY

Term End Examination 2024-2025

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

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) According to the World Health Organisation (WHO) in 1948, health is defined as:
 - a) Absence of disease only
 - b) Presence of physical well-being only
 - c) Complete physical, mental, and social well-being
 - d) Absence of infirmity
- (ii) Select what highlights the WHO's concept of health.
 - a) complete state of physical, mental and social well being
 - b) The absence of physical illnesses
 - c) The absence of mental wellness
 - d) complete social well being
- (iii) Select the determinant of health which refers to the physical environment in which individuals live
 - a) Biological factors
 - b) Socioeconomic status
 - c) Environmental factors
 - d) Behavioral factors
- (iv) Identify from the following which is an example of a physical determinant of health
 - a) Genetic predisposition to diseases
 - b) Access to healthcare services
 - c) Socioeconomic status
 - d) Safe housing
- (v) An example communicable disease is
 - a) Malaria
 - b) Cancer
 - c) ARMD
 - d) Diabetes
- (vi) An example of non communicable disease is
 - a) Diabetes
 - b) Trachoma
 - c) Dengue
 - d) Typhoid
- (vii) Could you identify the primary focus of epidemiology?
 - a) Individual health behaviors
 - b) Genetic determinants of health
 - c) Pharmaceutical interventions for diseases
 - d) Disease patterns and distribution in populations
- (viii) Name the organism that causes trachoma.

- a) *Onchocerca volvulus*
 - b) *Chlamydia trachomatis*
 - c) *Pseudomonas*
 - d) *Fillaria*
- (ix) Identify the focus of health promotion programs.
- a) Preventing diseases and improving overall well-being
 - b) Providing treatment for diseases
 - c) Conducting epidemiological studies
 - d) Providing healthcare services to individuals
- (x) Name the parasitic worm causing Onchocerciasis
- a) *Onchocerca fillari*
 - b) *Onchocerca volvulus*
 - c) *Onchocerca pseudomonas*
 - d) *Chlamydia*
- (xi) Determine which organization plays a key role in global efforts to prevent and control blindness and visual impairment?
- a) World Health Organization (WHO)
 - b) International Monetary Fund (IMF)
 - c) United Nations Educational, Scientific and Cultural Organization (UNESCO)
 - d) World Trade Organization (WTO)
- (xii) Determine which of the following is a common cause of nutritional blindness?
- a) Vitamin B deficiency
 - b) Vitamin C deficiency
 - c) Vitamin A deficiency
 - d) Iron deficiency
- (xiii) Which disease is also known as river blindness?
- a) VAD
 - b) Trachoma
 - c) PEM
 - d) Onchocerciasis
- (xiv) Which of the following describes the purpose of the National Programme for Control of Blindness (NPCB)?
- a) Providing free eye surgeries to all citizens
 - b) Promoting the use of contact lenses
 - c) Preventing and controlling blindness in India
 - d) Training optometrists internationally
- (xv) Identify the primary objective of health manpower planning.
- a) Ensuring an adequate supply of healthcare providers
 - b) Reducing healthcare costs
 - c) Maximizing profitability for healthcare facilities
 - d) Providing universal access to healthcare services

Group-B

(Short Answer Type Questions)

$$3 \times 5 = 15$$

2. What do you mean by health indicators? (3)
3. Summarize the primary goals of the Right to Sight initiative, Vision 2020. (3)
4. State the ways optometrists collaborate with other healthcare professionals to improve public health outcomes. (3)
5. Describe how teleoptometry facilitates access to eye care services for underserved communities, including rural areas. (3)
6. Can you explain the definition of blindness according to the World Health Organization? (3)

OR

Can you illustrate two common types of blindness-causing eye diseases. (3)

Group-C

(Long Answer Type Questions)

 $5 \times 6 = 30$

7. Evaluate are the principles of PHC? (5)
8. Identify the challenges associated with implementing teleoptometry in public health settings, and how can they be addressed? (5)
9. Analyze the steps involved in planning of health care? (5)
10. Illustrate the role of GDP on country's economy? (5)
11. Identify the benefits of ESI. (5)

12. Correlate VISION 2020 & INSIGHT 2030.

(5)

OR

Illustrate the mission and strategies of In Sight 2030 In Sight.

(5)

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