

**The APOLLO UNIVERSITY**  
**Saketa, Chittoor, AP**  
**AHS- IV Semester End Examination, June-2024**  
**OPTT 2505 – SYSTEMIC DISEASES**

**Time: 3 hours**

**Max. Marks: 60**

**Section –A (10x2=20 marks)**

**Answer all Questions**

1. What is CSME?
2. How does chronic hypoxia impact retinal vasculature?
3. List the clinical features of Sjogren syndrome.
4. write the clinical features of herpes simplex virus infection in eye.
5. What are the common causes of trichiasis?
6. What are acquired heart diseases?
7. Name two types of malaria parasites.
8. How is syphilis transmitted?
9. How do antibodies neutralize pathogens
10. What are the primary components of the ocular immune system?

**Section –B (5X8=40 marks)**

**Answer all Questions either A or B in 400 words each**

11. A) Elaborate on etiology, classification, complications and management of Systemic hypertension.

**OR**

B) Explain pathophysiology, types, diagnosis and management of ischemic heart disease.

12. A) Elaborate on risk factors, pathophysiology and clinical features of Sjogren syndrome.

**OR**

B) Examine the role of paraneoplastic syndromes in ocular manifestations associated with cancer and discuss the mechanisms by which cancer-related antibodies or cytokines can impact the eyes.

**Cont....**

13.A) Discuss the incidence and aetiology of cancer, highlighting the role of genetic predisposition, environmental factors, and lifestyle choices in its development.

OR

B) Analyze the pathophysiology of embolism in acquired heart diseases, discussing different types of emboli, their sources, and the mechanisms leading to embolic events.

14.A) Discuss the epidemiology of malaria, including its global distribution, incidence trends, and factors contributing to its persistence in endemic regions.

OR

B) Explore the life cycle of the malaria parasite, detailing its transmission, development within the human host, and replication within the mosquito vector.

15.A) How do antibodies and immunoglobulins function within the immune system, and what are their roles in defending the body against pathogens?

OR

B) Investigate the intricate process of antibody production and regulation, outlining the roles of B cells, T cells, and other immune cells in orchestrating immune responses

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