

**ST. JOSEPH'S COLLEGE FOR WOMEN (A), VISAKHAPATNAM**

**Four Year – B.Sc. (Hons), Semester – VII**

**ZOOLOGY**

**HUMAN HEALTH AND INFECTIOUS DISEASES**

**Code: Z 7551(2)**

**Practical**

**TIME:2HRS/WEEK  
Max Marks:50**

**Learning Objectives:**

Enable the students to

1. Develop a comprehensive understanding of the epidemiological aspects of a wide range of infectious diseases, including their prevalence, incidence, distribution, and risk factors, supported by visual aids such as images and photographs.
2. Compare and contrast the epidemiological characteristics of different infectious diseases, using visual aids.
3. Evaluate the health implications of each infectious disease, utilizing visual representations to control strategies at local levels.

**Learning Outcomes:**

Students will be able to:

1. Develop an overview of the infectious diseases in the community.
2. Identify diseases with the help of visual aids, including images, photographs, maps, and graphs.
3. Compare and contrast the characteristics of different infectious diseases, critically evaluating factors such as transmission dynamics, geographical distribution, and the socio-economic impact on affected populations.
4. Gain insights into the epidemiology of various bacterial, viral, fungal and protozoan diseases.

## **I. Syllabus**

Epidemiology of following infectious diseases with the images/photographs:

1. Tuberculosis
2. Cholera
3. Typhoid.
4. Human immunodeficiency virus (HIV/AIDS)
5. Sexually transmitted diseases.
6. Dermatophytes
7. Candida
8. Aspergillus
9. *Trypanosoma*.
10. *Giardia intestinalis*,
11. *Leishmania donovani*

## **II. Web resources for Lab**

- a. <https://pubmed.ncbi.nlm.nih.gov/15520481/>
  - b. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9279679/>
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