

## Teaching Plan Academic Year 2015-16

**Class** : B.Sc II

**Semester: IV**

**Subject** : **Microbiology**

**Paper No: XII**

**Periods per week** : Th. \_\_\_ Pract. \_\_\_

**Test (Date):** \_\_\_\_\_

**Weeks (Total)** : 15

**Tutorial (Date):** \_\_\_\_\_

**Name: Dr Madhuri Sahasrabudhe**

Week	Topic to be Covered
November 1	Definitions of terms used in Clinical microbiology
December 2	<b>Disease caused by <i>Staphylococcus aureus</i></b> : Classification, habitat, morphology, staining reactions, cultural characteristics, biochemical, antigenic, structure, pathogenesis, Infections caused , laboratory diagnosis, epidemiology, prophylaxis and chemotherapy
3	<b>Disease caused by <i>Streptococcus pneumoniae</i></b> : Classification, habitat, morphology, staining reactions, cultural characteristics, biochemical, antigenic, structure, pathogenesis, Infections caused , laboratory diagnosis, epidemiology, prophylaxis and chemotherapy
4	<b>Disease caused by <i>Mycobacterium tuberculosis</i></b> : Classification, habitat, morphology, staining reactions, cultural characteristics, biochemical

3	, antigenic, structure, pathogenesis
4	<b>Disease caused by <i>Mycobacterium tuberculosis</i>:</b> Infections caused , laboratory diagnosis, epidemiology, prophylaxis and chemotherapy
January 1	<b>Disease caused by <i>Salmonella typhi</i>:</b> Classification, habitat, morphology, staining reactions, cultural characteristics, biochemical, antigenic, structure, pathogenesis
2	<b>Disease caused by <i>Salmonella typhi</i>:</b> Infections caused , laboratory diagnosis, epidemiology, prophylaxis and chemotherapy
3	<b>Disease caused by <i>Vibrio cholera</i> :</b> Classification, habitat, morphology, staining reactions, cultural characteristics, biochemical, antigenic, structure, pathogenesis, Infections caused , laboratory diagnosis, epidemiology, prophylaxis and chemotherapy
4	<b>Disease caused by <i>Treponema pallidum</i>:</b> Classification, habitat, morphology, staining reactions, cultural characteristics, biochemical, antigenic, structure, pathogenesis, Infections caused , laboratory diagnosis, epidemiology, prophylaxis and chemotherapy
February 1	<b>HIV:</b> Morphology, types, life cycle, pathogenesis, laboratory diagnosis, epidemiology, prophylaxis and treatment
2	<b>Hepatitis virus:</b> Morphology, types, life cycle, pathogenesis, laboratory diagnosis, epidemiology, prophylaxis and treatment
4	<b>Oncogenic viruses:</b> Morphology, types, life cycle, pathogenesis, laboratory

	diagnosis, epidemiology, prophylaxis and treatment Discussion of university pattern questions and tests
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Teaching Plan  
Academic Year 2015-16

**Class** : B.Sc II year **Semester:IV**  
**Subject** :Microbiology **Paper No:XII**  
**Periods per week** : Th. 1      **Test (Date):**\_\_\_\_\_ **Tutorial (Date):**\_\_\_\_\_

**Weeks (Total)** : 13

Name of the teacher : Dr.Aditi Bhattacharya

Week	Topic to be Covered
1	Unit IV new syllabus; November III week : Definition of terms used in Medical Microbiology ; General characters of yeasts, pathogenic yeasts, General characteristics of <i>C.albicans</i> ; causation of opportunistic endogenous infections
2	November IV week : Different species of Candiada, Different conditions that favour the growth of Candida.; steroidal therapy, cellular immunity and its role.
3	December I week : Types of infections caused by Candia. Cutaneous, Mucosal, intestinal and systemic infections caused by Candida.
4	December II week : Interesting facts about the disease, laboratory diagnosis, Culture media used, rapid identification; Germtube formation
5	December III week: Management of the disease, Nystatin therapy , Putative virulence factors of Candida.
6	December IV week : Protozoa : Plasmodium spp: Life cycle, clinical symptoms,
7	January I week : Plasmodium: Lab diagnosis, Prophylaxis/prevention
8	January II week: Treatment of Malaria.
9	January III week: Introduction to Typhus fever
10	January IVweek: Morphology of the causative agent ,lifecycle
11	February I week : Clinical signs and symptoms, lab diagnosis

12	February II week : prophylaxis/prevention and chemotherapy.
13	February IIIweek : revision of the portion taught

Teacher's Signature

H.O.D.'s Signature