**Post Graduate Govt. College for Girls, Sector-42, Chandigarh**

**Teaching Plan (Even Semester) Session (2019-2020)**

**Class: BSc Micro IV sem**  **Name of the Teacher: Akashdeep Sandhu.**

**Subject: Microbiology Period:1**

**Paper: 401 & 402 Room No:303**

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| **S. No** | **Dates** | **Topics to be Covered** |
| Week 1 | 09-01-2020 to 11-01-2020 | Primary and secondary lymphoid organs, Mucosa associated lymphoid tissues (MALT), Cutaneous associated lymphoid tissues (CALT), |
| Week 2 | 13-01-2020 to 18-01-2020 | Lymphocyte traffic, Cells of Immune system, |
| Week 3 | 20-01-2020 to 25-01-2020 | Antigens; Factors affecting Immunogenicity, Epitopes, Haptens |
| Week 4 | 27-01-2020 to 01-02-2020 | Antigenic combining regions of antibodies, Factors influencing antibody production |
| Week 5 | 03-02-2020 to 08-02-2020 | Genetic model, Multigene organization, Generation of antibody diversity |
| Week 6 | 10-02-2020 to 15-02-2020 | Antigen-antibody Interactions: Widal test, Wasserman’s test, Weil-Felix reaction, Western blotting, Types of Vaccines |
| Week 7 | 17-02-2020 to 22-02-2020 | Origin of normal flora, Germ free and gnotobiotic life, Distribution and occurrence of Normal flora of skin, eye, |
| Week 8 | 24-02-2020 to 29-02-2020 | respiratory tract, mouth, intestinal tract and genitourinary tract |
| Week 9 | 02-03-2020 to 05-03-2020 | Antibacterial drugs viz. sulphonamides, Quinolones, Penicillins, Cephalosporins, Tetracyclines, Erythromycin, and Chloramphenicol |
| Mid Semester Exams (06-03-2020 to 13-03-2020) | | |
| Week 11 | 14-03-2020, 16-03-2020 to 21-03-2020 | Virulence and mode of transmission, Emerging and reemerging infectious diseases |
| Week 12 | 24-03-2020 to 28-03-2020 | Global travel and health considerations, Nosocomial infections |
| Week 13 | 30-03-2020 to 04-04-2020 | Events in infection following penetration, Microbial virulence factors |
| Week 14 | 07-04-2020 to 11-04-2020 | Cell Mediated Immune System (CMI), Mechanism of CMI, Types of effector T cells, Helper T cells, Suppressor T cells, Cytotoxic T cells, Killer T cells |
| Week 15 | 15-04-2020 to 18-04-2020 | Interactions between T and B lymphocytes |
| Week 16 | 20-04-2020 to 24-04-2020 | Drug resistance, Antifungal and antiviral drugs |
| Week 17 | 27-04-2020 to 02-05-2020 | Revision |
| Week 18 | 04-05-2020 | Revision |