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

**Teaching Plan (odd Sem) session 2019-20.**

**Class: B.Sc. III Sem Micro (E) Teacher: Akashdeep Sandhu.**

**Subject: Microbiology Period: 1st**

**Paper: MIC 201 & 202 Room No: 303**

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| **S.No.** | **Dates** | **Topics to be covered** |
| **Week 1** | **23/7/19 to 27/7/19** | Introduction and history of immunology. Non specific defense. Physical barriers. Chemical barriers. |
| **Week 2** | **29/7/19 to 03/8/19** | Cellular barriers. Phagocytosis. |
| **Week 3** | **05/8/19 to 10/8/19** | Inflammation. Fever.. |
| **Week 4** | **13/8/19 to 17/8/19** | Types of immunity. Active and passive immunity. Memory |
| **Week 5** | **19/8/19 to 24/8/19** | Humoral Immune Response. Antibodies/ Immunoglobulins. |
| **Week 6** | **26/8/19 to 31/8/19** | Structure of Antibodies. |
| **Week 7** | **02/9/19 to 07/9/19** | Function and types of Antibodies |
| **Week 8** | **09/9/19 to 14/9/19** | CMI. Mechanisms. |
| **Week 9** | **16/9/19 to 21/9/19** | Effector T cells. Helper T cells Suppressor T cells. Cytotoxic T cells. |
| **Week 10** | **23/9/19 to 28/7/19**  **Youth fest 24/9/19 to 27/9/19** | Killer T cells.. |
| **Week 11** | **30/9/19 to 05/10/19** | Interactions between T & B lymphocytes |
| **Mid Semester Exams** | | |
| **Week 12** | **16/10/19 to 19/10/19** | Antigen Antibody Interactions. |
| **Week 13** | **21/10/19 to 26/10/19** | Prectipitation reaction. |
| **Week 14** | **29/10/19 to 02/11/19** | Immunodiffusion Test. Counter current immunoelectrophoresis. |
| **Week 15** | **04/11/19 to 09/11/19** | Complement fixation tests. |
| **Week 16** | **11/11/19 to 16/11/19** | Brief Introduction to terminology of infectious diseases. |
| **Week 17** | **18/11/19 to 23/11/19** | Frequency of disease. Recognition of infectious disease. Infectious disease cycle. |
| **Week 18** | **25/11/19 to 30/11/19** | Revision. |