

Rajarshi Shahu Mahavidyalaya, (Autonomous) Latur

Department of Microbiology

Teaching Plan**Academic year :2022-23**

Name of the Faculty: Miss Salunke Kiran

Subject: Microbiology

Class: M.Sc. II (Sem. IV)

Course Title: Medical and Pharmaceutical Microbiology

Paper No.: XIII

Course Code: P-MIB-452


Unit	Unit and the chapter to be covered	No. of Lectures	Date	Academic activities to be organized	Test/Assignments
I	Unit-I Antibiotics, synthetic antimicrobial agents 1.1 Antibiotics and synthetic antimicrobial agents 1.2 Antifungal antibiotics, antitumour substances. Peptide antibiotics, chloramphenicol, sulphonamides and quinolinone antimicrobial agents.	15	10/12/2022 to 28/12/2022	Seminars	Assignment
II	Unit-II Microbial production and spoilage of pharmaceutical products 2.1 Microbial production and spoilage of pharmaceutical products and their sterilization. 2.2 Manufacturing procedure and in process control of pharmaceuticals. Other pharmaceuticals produced by microbial fermentations (streptokinase, streptodornase).	15	31/01/2023 to 27/01/2023	Seminars	Assignment
III	. Unit- III Regulatory practices, biosensors and applications in pharmaceuticals 09 3.1 Financing R & D capital and market outlook, IP, BP, USP. 3.2 Government regulatory practices and policies, FDA		28/01/2023 to 24/02/2023	Seminars	Assignment

	perspective.Reimbursement of drug and 3.3 Rational drug design.Immobilization procedures for pharmaceutical				
IV	Unit-IV Quality assurance and validation 4.1 Good manufacturing practices (GMP) and Good laboratory practices (GLP) in pharmaceutical industry. 4.2 Regulatory aspects of quality control.	15	25/02/2023 to 01/04/2023	Seminars	Class Test

Note: Five extra lectures are required for the completion of syllabus



Subject teacher


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