PG.GOVT COLLEGE FOR GIRLS, SECTOR-42, CHANDIGARH

Teaching Plan 2018-19

Class: BSc Microbiology E Semester I Subject: Microbiology

Teacher: Ramanjot Kaur Bedi

Paper code: MIC 102: MICROBIAL PHYSIOLOGY- METABOLISM Room No: 316 Lect: 6th

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| S. No | Date From | | Date Upto | Topics to be covered |
| Week 1 | (For ongoing classes) | | | Admissions |
| July 24, 2018 | | July 28, 2018 |
| Week 2 | July 30, 2018 | August 4, 2018 | | Microbial nutrition |
| Week 3 | August 6, 2018 | August 11, 2018 | | Physical requirements for growth |
| Week 4 | August 13, 2018 | August 18, 2018 | | Chemical requirements for growth |
| Week 5 | August 20, 2018 | August 25, 2018 | | Different types of culture media |
| Week 6 | August 27, 2018 | September 1, 2018 | | Cultivation of aerobes and anaerobes |
| Week 7 | September 3, 2018 | September 8, 2018 | | Chemical and physical properties of enzymes |
| Week 8 | September 10, 2018 | September 15, 2018 | | Classification and nomenclature of enzymes |
| Week 9 | September 17, 2018 | September 22, 2018 | | Factors affecting enzyme activity |
| Week 10 | September 24, 2018 | September 29, 2018 | | Respiration and fermentation |
| Week 11 | October 1, 2018 | October 8, 2018 | | Glycolysis |
| MID SEMESTER EXAMINATION (October 11, 2018 to October 17, 2018) | | | | |
| Week 12 | October 20, 2018 | October 27, 2018 | | Pentose phosphate pathway, TCA |
| Week 13 | October 29, 2018 | November 3, 2018 | | The entner doudoroff pathway, Glyoxylate cycle |
| Week 14 | November 5, 2018 | November 10, 2018 | | Conjugation & transformation |
| Week 15 | November 12, 2018 | November 17, 2018 | | Transduction & the Lac operon |
| Week 16 | November 19, 2018 | November 22, 2018 | | Tryptophan operon |
| Week 17 | November 26, 2018 | December 1, 2018 | | Queries and revision |

PG.GOVT COLLEGE FOR GIRLS, SECTOR-42, CHANDIGARH

Teaching Plan 2018-19

Class: BSc Microbiology E Semester III Subject: Microbiology

Teacher: Ramanjot Kaur Bedi

Paper code: MIC 301 – INTRODUCTION TO MEDICAL MICROBIOLOGY R.No: 316 Lect: 1st

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| S. No | Date From | | Date Upto | Topics to be covered |
| Week 1 | (For ongoing classes) | | | Admissions |
| July 24, 2018 | | July 28, 2018 |
| Week 2 | July 30, 2018 | August 4, 2018 | | Brief introduction to terminology of infectious diseases, frequency of disease |
| Week 3 | August 6, 2018 | August 11, 2018 | | Recognition of infectious disesase and infectious disesase cycle |
| Week 4 | August 13, 2018 | August 18, 2018 | | Nomenclature of microbes |
| Week 5 | August 20, 2018 | August 25, 2018 | | Classification of microbes |
| Week 6 | August 27, 2018 | September 1, 2018 | | Criteria of classification of microbes of medical importance |
| Week 7 | September 3, 2018 | September 8, 2018 | | Development of chemotherapy & general characteristics of antimicrobial drugs |
| Week 8 | September 10, 2018 | September 15, 2018 | | Determining level of antimicrobial activity |
| Week 9 | September 17, 2018 | September 22, 2018 | | Mechanism of action of antimicrobial drugs |
| Week 10 | September 24, 2018 | September 29, 2018 | | Factors influencing effectiveness of antimicrobial drugs |
| Week 11 | October 1, 2018 | October 8, 2018 | | Microbial adherence |
| MID SEMESTER EXAMINATION (October 11, 2018 to October 17, 2018) | | | | |
| Week 12 | October 20, 2018 | October 27, 2018 | | Active penetration into body |
| Week 13 | October 29, 2018 | November 3, 2018 | | Passive penetration into body |
| Week 14 | November 5, 2018 | November 10, 2018 | | Microbial production of enzymes in the body |
| Week 15 | November 12, 2018 | November 17, 2018 | | Antibiotic resistance |
| Week 16 | November 19, 2018 | November 22, 2018 | | Queries and revision |
| Week 17 | November 26, 2018 | December 1, 2018 | | Queries and revision |

PG.GOVT COLLEGE FOR GIRLS, SECTOR-42, CHANDIGARH

Teaching Plan 2018-19

Class: BSc Microbiology E Semester V Subject: Microbiology

Teacher: Ramanjot Kaur Bedi

Paper code: MIC Micro R.No: 222 Lect: 6th ,7th

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| S. No | Date From | | Date Upto | Topics to be covered |
| Week 1 | (For ongoing classes) | | | Admissions |
| July 24, 2018 | | July 28, 2018 |
| Week 2 | July 30, 2018 | August 4, 2018 | | Streptococcus |
| Week 3 | August 6, 2018 | August 11, 2018 | | Pneumococcus |
| Week 4 | August 13, 2018 | August 18, 2018 | | Neisseria |
| Week 5 | August 20, 2018 | August 25, 2018 | | Corynebacterium & bacillus |
| Week 6 | August 27, 2018 | September 1, 2018 | | Clostridium & proteus |
| Week 7 | September 3, 2018 | September 8, 2018 | | Rabies & smallpox |
| Week 8 | September 10, 2018 | September 15, 2018 | | Polio and measles |
| Week 9 | September 17, 2018 | September 22, 2018 | | cryotococcosis |
| Week 10 | September 24, 2018 | September 29, 2018 | | Dermatophytosis |
| Week 11 | October 1, 2018 | October 8, 2018 | | Blastomycosis |
| MID SEMESTER EXAMINATION (October 11, 2018 to October 17, 2018) | | | | |
| Week 12 | October 20, 2018 | October 27, 2018 | | Amoebiasis |
| Week 13 | October 29, 2018 | November 3, 2018 | | Kala azar |
| Week 14 | November 5, 2018 | November 10, 2018 | | Toxoplasmosis |
| Week 15 | November 12, 2018 | November 17, 2018 | | Ascariasis |
| Week 16 | November 19, 2018 | November 22, 2018 | | Queries and revision |
| Week 17 | November 26, 2018 | December 1, 2018 | | Queries and revision |