

Monthly Teaching Plan 2024-25

Department: Microbiology


Class: B.Sc. Part - I

Month: September

Paper No. & Name: Basic Techniques in Microbiology

| Date | Unit | Sub Unit | Teaching method | Teaching Aid/ICT Use |
|----------|------|----------------------------------|-----------------|--------------------------|
| 02/09/24 | | TCA cycles | Lecture | PPT |
| 03/09/24 | | Steps of cycles | Lecture | |
| 04/09/24 | | Applications | Lecture | PPT |
| 05/09/24 | | Uses of cycles | Lecture | |
| 13/09/24 | | Fermentation | Lecture | |
| 17/09/24 | | Definition | Lecture | PPT |
| 18/09/24 | | Process | Lecture | PPT |
| 20/09/24 | | Uses and types | Lecture | PPT |
| 23/09/24 | | Homolactic fermentation | Lecture | Use of multimedia centre |
| 24/09/24 | | Homolactic fermentation Cycles | Lecture | |
| 25/09/24 | | Use and application | Lecture | |
| 26/09/24 | | Heterolactic fermentation | Lecture | |
| 27/09/24 | | Heterolactic fermentation cycles | Lecture | |
| 30/09/24 | | Use and applications | Lecture | |


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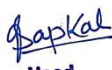
Department: Microbiology

Class: B.Sc. Part - II

Month: September Paper No. & Name-Microbial physiology and Metabolism

| Date | Unit | Sub Unit | Teaching method | Teaching Aid/ICT Use |
|------------|------|------------------------------------|-----------------|----------------------|
| 01/09/2024 | | Bacterial electron transport chain | Lecture | You tube |
| 03/09/2024 | | Bacterial electron transport chain | Lecture | You tube |
| 04/09/2024 | | Components | Lecture | You tube |
| 05/09/2024 | | Flow of electrons | Lecture | You tube |
| 06/09/2024 | | Flow of electrons | Lecture | |
| 13/09/2024 | | Mechanism of ATP generation | Lecture | |
| 17/09/2024 | | Mechanism of ATP generation | Lecture | |
| 18/09/2024 | | Chemo osmotic hypothesis | Lecture | PPT |
| 19/09/2024 | | Chemo osmotic hypothesis | Lecture | |
| 20/09/2024 | | Net gain of ATP | Lecture | |
| 23/09/2024 | | REVISION | Lecture | |
| 24/09/2024 | | REVISION | Lecture | |
| 25/09/2024 | | TEST of unit I | Lecture | |
| 26/09/2024 | | TEST of Unit II | Lecture | PPT |
| 27/09/2024 | | Bacterial electron transport chain | Lecture | |
| 30/09/2024 | | Bacterial electron transport chain | Lecture | PPT |

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Department: Microbiology


Class: B.Sc. Part – III

Month: September

Paper No. & Name: XI Agricultural microbiology

| Date | Unit | Sub Unit | Teaching method | Teaching Aid/ICT Use |
|------------|--------|-------------------------------------|-----------------|----------------------|
| 02/09/2024 | Unit I | Soil microbiology | Lecture | |
| 03/09/2024 | | Physical character | Lecture | |
| 04/09/2024 | | Physical character | Lecture | |
| 05/09/2024 | | Chemical character | Lecture | |
| 06/09/2024 | | Types of microorganism | Lecture | |
| 13/09/2024 | | Microbial interaction | Lecture | |
| 14/09/2024 | | Symbiosis, commensalism, amensalism | Lecture | |
| 17/09/2024 | | Parasitism, predation | Lecture | |
| 18/09/2024 | | Elemental cycles | Lecture | |
| 19/09/2024 | | Carbon cycle | Lecture | |
| 20/09/2024 | | Nitrogen cycle | Lecture | |
| 21/09/2024 | | Phosphorus cycle | Lecture | |
| 23/09/2024 | | Reclamation of soil | Lecture | PPT |
| 24/09/2024 | | Green manure | Lecture | |
| 25/09/2024 | | Vermicomposting | Lecture | |
| 26/09/2024 | | Condition for composting | Lecture | |
| 27/09/2024 | | Condition for composting | Lecture | |
| 28/09/2024 | | Fertilizer control order | Lecture | You tube |
| 30/09/2024 | | Fertilizer control order | Lecture | |


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