



SWAMI VIVEKANAND MAHAVIDYALAYA UDGIR  
ACADEMIC YEAR 2020-21



Weekly Teaching Progress Report

Department –Life Sciences

Teacher Name: -Ms.Balure R.B.

Sr. No.	Class	Subject/ Paper Name	Week & Month	Syllabus Completed/ Covered as per Plan	Syllabus Completed/Not Covered as per Plan
1	M.Sc. Biotechnology FY Sem:-I	BT - III: Biochemistry	2 Nov. – 5 Nov. 2020	<b>UNIT I: Chemical foundations of Biology-</b> Structure of atoms, molecules Ionization of water Properties of water The pH scale, concept of acids and bases.	Completed
2	M.Sc. Biotechnology SY Sem:-III	BT- XIII Intellectual Property Right	4 Nov. – 5 Nov. 2020	<b>UNIT I</b> Research: Definition, Importance and Meaning Objectives of research.	Completed
3	M.Sc. Microbiology SY Sem:-III	MB – 303 Microbial Diversity And Extremophiles	2 Nov. – 5 Nov. 2020	<b>Unit-I Biodiversity and Thermophiles</b> Introduction to microbial diversity Distribution, Abundance Ecological Niches Types- Bacterial, Archaeal, Eucaryal	Completed

Remarks:

- 1) Syllabus Completed / Covered as per plan. Yes
- 2) Syllabus Not Completed / Covered as per plan. Reason -
- 3) Syllabus going ahead as per plan, Reason -
- 4) Remarks of Principal:- -

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Head of Department

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Principal  
Swami Vivekanand  
Mahavidyalaya, Udgir



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1	M.Sc. Biotechnology FY Sem:-I	BT - III: Biochemistry	18 – 19 Nov. 2020	Henderson- Hasselbach equation Biological buffer systems.	Completed
2	M.Sc. Biotechnology SY Sem:-III	BT- XIII Intellectual Property Right	18 – 19 Nov. 2020	Characteristics of Research, Types of Research. Steps in Research.	Completed
3	M.Sc. Microbiology SY Sem:-III	MB – 303 Microbial Diversity And Extremophiles	18 – 19 Nov. 2020	Classification of Archae (Methanogens) Hyper-thermophilic habitat	Completed

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1	M.Sc. Biotechnology FY Sem:-I	BT - III: Biochemistry	23 Nov. – 26 Nov. 2020	Thermodynamic principles in biology Concept of free Energy Redox potential <b>UNIT: II Carbohydrates</b> Monosaccharide - Classification, occurrence.	Completed
2	M.Sc. Biotechnology SY Sem:-III	BT- XIII Intellectual Property Right	25 Nov. – 26 Nov. 2020	Identification, Selection and Formulation Research Design, Formulation of Hypothesis.	Completed
3	M.Sc. Microbiology SY Sem:-III	MB – 303 Microbial Diversity And Extremophiles	23 Nov. – 26 Nov. 2020	Classification of Hyper- thermophilic habitat Ecological aspects Molecular basis of thermo- stability Heat stable enzymes and metabolism.	Completed

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Dr. R. B.

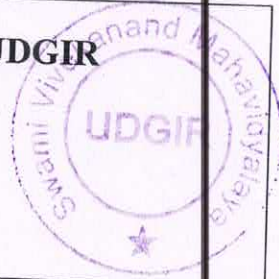
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1	M.Sc. Biotechnology FY Sem:-I	BT - III: Biochemistry	1 Dec. – 3 Dec. 2020	Monosaccharide - structure, function Properties of Monosaccharide Oligosaccharide - Classification, occurrence.	Completed
2	M.Sc. Biotechnology SY Sem:-III	BT- XIII Intellectual Property Right	2 Dec. – 3 Dec. 2020	Review of Literature. Sampling Techniques: Sampling theory.	Completed
3	M.Sc. Microbiology SY Sem:-III	MB – 303 Microbial Diversity And Extremophiles	1 Dec. – 3 Dec. 2020	Genetics of thermophiles Minimal complexity model systems Commercial aspects of thermophiles.	Completed

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1	M.Sc. Biotechnology FY Sem:-I	BT - III: Biochemistry	7 Dec. – 10 Dec.20 20	Oligosaccharide - Structure, function Oligosaccharide - Properties Polysaccharides- Classification, occurrence Polysaccharides - Structure, function.	Completed
2	M.Sc. Biotechnology SY Sem:-III	BT- XIII Intellectual Property Right	8 Dec. – 10 Dec.20 20	Types of Sampling, Steps in Sampling Sample Size, Advantages and limitations.	Completed
3	M.Sc. Microbiology SY Sem:-III	MB – 303 Microbial Diversity And Extremophiles	7 Dec. – 10 Dec.20 20	Application of thermoenzymes <b>Unit-II Acidophiles and Alkalophiles</b> Acidophiles- Classification life at low pH Acido-tolerance, applications.	Completed

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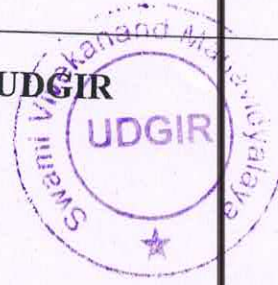
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1	M.Sc. Biotechnology FY Sem:-I	BT - III: Biochemistry	14 Dec. 17 Dec 2020	Polysaccharides- Properties Lipids: Classification, structure and functions Triglycerides Phospholipids.	Completed
2	M.Sc. Biotechnology SY Sem:-III	BT- XIII Intellectual Property Right	16 Dec. 17 Dec 2020	UNIT II Thesis and Manuscript writing Abstract, Introduction, Materials and Methods.	Completed
3	M.Sc. Microbiology SY Sem:-III	MB – 303 Microbial Diversity And Extremophiles	14 Dec. 17 Dec 2020	Alkalophiles- Isolation Distribution and Taxonomy Cell structures Physiology.	Completed

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*Dr. J. S. ...*

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1	M.Sc. Biotechnology FY Sem:-I	BT - III: Biochemistry	21 Dec. – 24 Dec. 2020	Steroids and terpenes. Glycolipids and lipoproteins Role of lipids. <b>UNIT: III Amino acids:</b> Classification and chemical reactions.	Completed
2	M.Sc. Biotechnology SY Sem:-III	BT- XIII Intellectual Property Right	23 Dec. – 24 Dec. 2020	Results and Discussion Summary and Conclusion, References (IMRAD).	Completed
3	M.Sc. Microbiology SY Sem:-III	MB – 303 Microbial Diversity And Extremophiles	21 Dec. – 24 Dec. 2020	Intracellular enzymes Molecular biology Secretion vectors Enzymes of alkaliphiles.	Completed

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Sr. No.	Class	Subject/ Paper Name	Week & Month	Syllabus Covered as per Plan	Completed/ Not Completed/Not Covered as per Plan
1	M.Sc. Biotechnology FY Sem:-I	BT - III: Biochemistry	28 Dec. – 31 Dec. 2020	Physical properties. Peptide bond, peptide Classification Biologically important peptides. Proteins: Properties and classification.	Completed
2	M.Sc. Biotechnology SY Sem:-III	BT- XIII Intellectual Property Right	30 Dec. – 31 Dec. 2020	Manuscript; Author instructions Modes of paper communication	Completed
3	M.Sc. Microbiology SY Sem:-III	MB – 303 Microbial Diversity And Extremophiles	28 Dec. – 31 Dec. 2020	Unit- III Psychrophiles Conditions for microbial life at low temperature Climate of snow and ice life at subzero temperature Microbial diversity at cold ecosystem.	Completed

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*Dr. Jyoti*

Head of Department

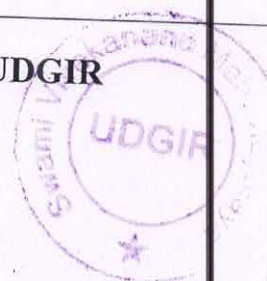
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1	M.Sc. Biotechnology FY Sem:-I	BT - III: Biochemistry	4 Jan. – 8 Jan 2021	Primary Proteins Secondary Proteins Tertiary Proteins Quaternary Proteins Structural comparison.	Completed
2	M.Sc. Biotechnology SY Sem:-III	BT- XIII Intellectual Property Right	6 Jan. – 7 Jan 2021	Presentation of a scientific Paper <b>UNIT IV</b> Patenting biological material.	Completed
3	M.Sc. Microbiology SY Sem:-III	MB – 303 Microbial Diversity And Extremophiles	4 Jan. – 8 Jan 2021	Snow and glaciers ice Psychropiezophiles Anaerobic and cyanobacteria Microalgae in Polar Regions Molecular adaptations to cold habitats.	Completed

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1	M.Sc. Biotechnology FY Sem:-I	BT - III: Biochemistry	11 Jan. – 14 Jan. 2021	Ramachandran plot. Enzymes: Historical perspectives General characteristics, nomenclature Methods of isolation, purification.	Completed
2	M.Sc. Biotechnology SY Sem:-III	BT- XIII Intellectual Property Right	13 Jan. – 14 Jan. 2021	Patent procedure in India Types of patenting.	Completed
3	M.Sc. Microbiology SY Sem:-III	MB – 303 Microbial Diversity And Extremophiles	11 Jan. – 14 Jan. 2021	Cold adapted enzymes Cryoprotectants and ice binding proteins Role of exopolymers <b>Unit-IV Halophiles and Barophiles</b> Halophiles- Classification	Completed

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1	M.Sc. Biotechnology FY Sem:-I	BT - III: Biochemistry	18 Jan. – 21 Jan. 2021	Concept of enzyme assay, enzyme activity <b>UNIT: IV Nucleic acids:</b> Primary, secondary and tertiary structure Double stranded DNA & biological significance Forms of DNA, Physical properties.	Completed
2	M.Sc. Biotechnology SY Sem:-III	BT- XIII Intellectual Property Right	20 Jan. – 21 Jan. 2021	Patenting of biological materials Patent infringement.	Completed
3	M.Sc. Microbiology SY Sem:-III	MB – 303 Microbial Diversity And Extremophiles	18 Jan. – 21 Jan. 2021	Hypersaline Environments Halobacteria Halotolerance Applications.	Completed

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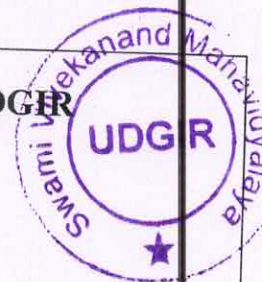
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1	M.Sc. Biotechnology FY Sem:-I	BT - III: Biochemistry	25 Jan. – 28 Jan. 2021	Types of RNAs and their biological significance DNA Supercoiling. <b>UNIT:V Hormones</b> Structure and function.	Completed
2	M.Sc. Biotechnology SY Sem:-III	BT- XIII Intellectual Property Right	27 Jan. – 28 Jan. 2021	<b>UNIT V</b> Plant breeder's right: concept of UPOV Breeders exemption.	Completed
3	M.Sc. Microbiology SY Sem:-III	MB – 303 Microbial Diversity And Extremophiles	25 Jan. – 28 Jan. 2021	Barophiles Classification Barophily ,death under pressure.	Completed

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Signature of Teacher

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Head of Department

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Sr. No.	Class	Subject/ Paper Name	Week & Month	Syllabus Covered as per Plan	Completed/ Not Completed/Not Covered as per Plan
1	M.Sc. Biotechnology FY Sem:-I	BT - III: Biochemistry	8 Feb. – 11 Feb. 2021	Vitamins: Types, structure and functions Prostaglandins; Silk fibroin coiled coils, collagen triple helix REVISION.	Completed
2	M.Sc. Biotechnology SY Sem:-III	BT- XIII Intellectual Property Right	10 Feb. – 11 Feb. 2021	Plant variety protection in India Revision	Completed
3	M.Sc. Microbiology SY Sem:-III	MB – 303 Microbial Diversity And Extremophiles	8 Feb. – 9 Feb. 2021	Revision Revision	Completed

Remarks:

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Signature of Teacher

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Head of Department

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1	M.Sc. Biotechnology FY Sem:-I	BT - III: Biochemistry	15 Feb. 2021	REVISION.	Completed
2	M.Sc. Biotechnology SY Sem:-III	BT- XIII Intellectual Property Right	17 Feb. - 18 Feb. 2021	Revision Revision	Completed
3	M.Sc. Microbiology SY Sem:-III	MB – 303 Microbial Diversity And Extremophiles	8 Feb. - 9 Feb. 2021	Syllabus Completed	Syllabus Completed

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1	M.Sc. Biotechnology FY Sem:-I	BT - III: Biochemistry	24 Feb. 2021	Syllabus Completed	Syllabus Completed
2	M.Sc. Biotechnology SY Sem:-III	BT- XIII Intellectual Property Right	24 Feb. 2021	Revision	Completed
3	M.Sc. Microbiology SY Sem:-III	MB – 303 Microbial Diversity And Extremophiles	24 Feb. 2021	Syllabus Completed	Syllabus Completed

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