

<b>Name of the Faculty:</b>	<b>Ms Shweta</b>
<b>Discipline:</b>	<b>B.Tech(CSE-AIML)</b>
<b>Semester:</b>	<b>1<sup>st</sup>Sem</b>
<b>Subject:</b>	<b>Biology</b>
<b>WorkLoad(Lecture/Practical) perweek(Inhours):</b>	<b>Lecture-3</b>

S.No	Lecture No.	Theory	
		Topic(IncludingAssignment/Test/Quiz)	Pedagogy ( PPT/Chalk and Board/Video Recording /Activity/Case Study)
1.	L1.	<b>Introduction to Living World:</b> Concept and definition of Biology, Importance of Biology in major discoveries of life, Characteristic features of living organisms..	PPT, Chalk and Board
2.	L2.	<b>Role of Biology in</b> Agriculture, Medicine	PPT, Chalk and Board
3.	L3.	<b>Role of Biology in</b> Forensic ScienceBioinformatics, Nanotechnology	PPT, Chalk and Board
4.		<b>ASSIGNMENT</b>	offline
5.	L4.	Cell Ultra-Structure and function of Cell organelles e.g. nucleus, mitochondria	Chalk and Board
6.	L5.	Chloroplast, Ribosomes and endoplasmic reticulum	PPT, Chalk and Board
7.		<b>CLASS TEST</b>	offline

8.	L6.	Prokaryotic and Eukaryotic Cell	PPT, Chalk and Board
9.	L7.	Plant Cell and Animal Cell	Chalk and Board, PPT
10.	L8.	Classification of Organisms : Cellularity, Energy and Carbon Utilization	Chalk and Board
11.	L9	Habitat, Ammonia excretion	Chalk and Board, PPT
12.		<b>ASSIGNMENT</b>	offline
13.	L10	Introduction to Biomolecules Carbohydrates	Chalk and Board
14.	L11	Proteins	PPT ,Chalk and Board
15.	L12	Nucleic Acids : DNA & RNA	Chalk and Board
16.	L13	Enzymes as Biocatalyst	Chalk and Board
17.	L15	Enzyme Kinetics & Kinetic Parameters (Km and Vmax)	Chalk and Board
18.	L16	Genetics : Mendel's laws of inheritance, Variation	Chalk and Board
19.		<b>CLASS TEST</b>	offline
20.	L17	Concepts of recessiveness and dominance	Chalk and Board
21.	L18	Genetic Disorders, Diabetes type I and II	Chalk and Board
22.	L19	Genetics of blood groups	Chalk and Board
23.	L19	Cell Division : Mitosis	Chalk and Board

24.	L20	Meiosis	Chalk and Board
25.		<b>ASSIGNMENT</b>	offline
26.	L21	Concept of Genetic Engineering : Introduction	Chalk and Board
27.	L 22	Tools used in recombinant DNA Technology	Chalk and Board