



**SREE SIDDAGANGA COLLEGE
OF ARTS, SCIENCE & COMMERCE FOR WOMEN, TUMKUR.**

Lecture Plan for the Academic Year 2018-19

Name of the Teacher.....SHAHNAZ FATHIMA.....

NAAC A Grade

Class.....I.B.Sc. I SEM CBZ
CM

No. of Working Days 91

Department.....ZOOLOGY.....

No. of Hours per Week 61

Subject.....ANIMAL DIVERSITY.....

No. of Teaching Days 89

* Week days during which Class is held - FRIDAY

Sl.No.	Date	Topic	Remarks
1	29-6-18	Introduction & general characters of reptiles.	
2	06-7-18	General Characters Contd. & classification	
3	13-7-18	Poison apparatus in snakes & biting mechanism	
4	20-7-18	Composition of venom and its effects.	
5	27-7-18	General characters of birds	
6	03-08-18	Interesting features of Ratitae & Caelinatae	
7	10-08-18	Morphological flight adaptations in birds	
8	17-8-18	Anatomical flight adaptations in birds	
9	31-8-18	Interesting features of Prototheria & Metatheria	
10	07-9-18	Interesting features of Eutheria & Chiroptera	
11	14-9-18	Interesting characters of Cetacea & Proboscidea	
12	21-9-18	Interesting characters of Primata	
13	28-9-18	Revision and discussion of Sample questions	
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LECTURER

H.O.D
Head of the Department of Zoology,
Sree Siddaganga College for Women
TUMKUR-572 102

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PRINCIPAL
PRINCIPAL
Sree Siddaganga College of Arts,
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B.H. Road, TUMKUR.



**SREE SIDDAGANGA COLLEGE
OF ARTS, SCIENCE & COMMERCE FOR WOMEN, TUMKUR.**

Lecture Plan for the Academic Year...2018-19 (Dec-Apr)

Name of the Teacher...VIJAYA LATHA R.S.....

NAAC A Grade

No. of Working Days

No. of Hours per Week

* Week days during which Class is held

Class...III B.Sc. V.Sem......

Department...Zoology (VIII Paper).....

Subject...Environmental Biology.....

No. of Teaching Days

Sl.No.	Date	Topic	Remarks
1	19-12-18	Animal relationship; Symbiosis	
2		Introduction to Ecology.	
3	26-12-18	Animal relationship; mutualism,	
4		Proto-cooperation	
5	2-1-19	Commensalism	
6	9-1-19	Antibiosis, Parasitism,	
7	16-1-19	Predation and Competition.	
8	23-1-19	competitive exclusion principle	
9	30-2-19	Environmental pollution; pollut-	
10		ant, Type of pollutants,	
11	6-2-19	Air pollution: causes, effects &	
12		control measures]	
13	13-2-19	water pollution; causes, effects	
14		& control measures]	
15	20-2-19	Noise pollution: causes, effects	
16		& control measures]	
17	27-2-19	Solid waste management	
18		Sources, Types, Effect of	
19		Solid waste,	
20	6-3-19	Control of Solid waste.	
21		Toxicology; Introduction, Scope	
22		and Basic division of toxicology	

Sl.No.	Date	Topic	Remarks
23	13-3-19	TOXICANTS, classification of	
24		toxicants [Microbial & Animal]	
25	20-3-19	TOXICITY, Lethal concentration	
26		LC-50.	
27		Toxic effects of heavy metals;	
28		cadmium, Lead, Mercury,	
29		chromium on Human health.	
30	27-3-19	current environmental issues	
31		ozone layer depletion; causes,	
32		& control measures.	
33		Green house effect and green	
34		house gas, Effects & control.	
35	5-4-19	Global warming & effects of	
36		global warming	
37		Acid rain, causes, effects	
38		and control measures.	
39	10-4-19	———— REVISION ————	
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V. Jayanthi
Lecturer

Head of the Department of Zoology,
Sree Siddaganga H.O.D. College for Women
TUMKUR-572 102.

D.K. Choudhary
Principal



Sree Siddaganga College of Arts, Science & Commerce for Women, Tumkur.

Lecture Plan for the Academic Year 2018-2019

Name of the Teacher: DAKSHINA MURTHY, K.

'A' Grade College

Class: II B.Sc. IV Sem (PCM) Department: Chemistry

No. of Working Days : 15

Subject: Chemistry

No. of Hours per Week : 01

No. of Teaching Days : 17

* Week days during which Class is held Wednesday

SLNo.	Date	Topic	Remarks
1	19/12/18	* Introduction to coordination Compounds	
2		Definition & complex ions.	
3	25/12/18	* Ligands, classification, with examples	
4	2/01/19	* Coordination number, oxidation state	
5		& central metal atom and its calculation.	
6	9/01/19	* IUPAC Nomenclature Rules & Examples	
7	16/01/19	* Valence bond theory postulates.	
8		Formation, geometry and magnetic property &	
9		$[Cr(H_2O)_6]^{+3}$, $[Fe(CN)_6]^{4-}$, $[Fe(CN)_6]^{-3}$	
10	23/01/19	* Formation, Geometry and magnetic property &	
11		$[Fe(H_2O)_6]^{+3}$, $[CoF_6]^{-3}$, $[Co(NH_3)_6]^{+3}$, $[NiCl_4]^{-2}$	
12	30/01/19	* Formation, geometry and magnetic property &	
13		$[Ni(CN)_4]^{-2}$, $[Cu(NH_3)_4]^{+2}$ Drawbacks & VBT	
14	06/02/19	* Isomerisation in coordination Compound	
15		Structural Isomerism, classification and	
16		Examples	
17	13/02/19	* Stereoisomerism, geometrical and	
18		optical isomerism with examples.	
19	20/02/19	* Crystal field theory, postulates.	
20		Crystal field effects.	
21	27/02/19	* Crystal field splitting, definition, crystal field	
22		splitting in octahedral complexes	

Sl.No.	Date	Topic	Remarks
23	6/03/19	* Factor affecting magnitude of $10Dq$ or Δ_o	
24		weak field and strong field ligands	
25		Spectrochemical series.	
26	13/03/19	* Crystal field effects for weak and	
27		strong field, Crystal field stabilisation	
28		energy.	
29	20/03/19	* Calculation of CFSE in weak field and	
30		strong field octahedral complexes.	
31	27/03/19	* Tetrahedral symmetry, CFSE in	
32		T_d complexes. magnitude of CFS in	
33		T_d field " Δ_t " in comparison with " Δ_o "	
34		* Factor affecting the formation of tetrahedral	Special class
35		complexes. Comparison of CFSE of oh	
36		and T_d complexes.	
37		* T_d distortion of oh geometry,	Special class
38		John-Teller distortion square planar	
39		coordination, merits and demerits of CFT.	
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J.S. Dakshinamurti

Lecturer

Head of the Department of Chemistry
Sree Siddaganga College of Arts, Science &
Commerce for Women, Tumkur

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Lecture Plan for the Academic Year.....2018-2019.

Name of the Teacher.....R. MITHA N

NAAC A Grade

Class.....I Sem

No. of Working Days 91

Department.....Microbiology.

No. of Hours per Week 02.

Subject.....Fundamentals of Microbiology

* Week days during which Class is held Monday and Saturday.

No. of Teaching Days 25.

Sl.No.	Date	Topic	Remarks
1	25/6/18	Introduction to Discovery of Microscope	
2	30/6/18	Definitions of R.P. NA & Magnification power	
3	2/7/18	Study of Student Microscope	
4	7/7/18	Study of DFM and PCM	
5	9/7/18	Study of fluorescent Microscope	
6		and confocal Microscope	
7	14/7/18	Study of Inverted and Tunneling	
8		Microscope	
9	16/7/18	Study of TEM and SEM	
10	21/7/18	Study of Prokaryotic cell structure	
11		cell wall, cell membrane, Mesosomes,	
12		cytoplasm, ribosomes	
13	23/7/18	Study of Molecular chaperone, nucleoids	
14		Plasmids and cytoplasmic inclusions	
15		and endospores	
16	28/7/18	Study of Microbial terminologies	
17		under Sterilization	
18	4/8/18	Study of Evaluation of antimicrobial	
19		agents	
20	6/8/18	Study of Physical methods of	
21		Sterilization - Autoclave, Hot air oven.	
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Sl.No.	Date	Topic	Remarks
23	11/8/18	Study of Physical methods of	
24		Sterilization - Radiation and.	
25		filtration	
26	13/8/18	Study of chemical methods of.	
27		Sterilization	
28	18/8/18	Continuation of chemical method.	
29		of Sterilization	
30	20/8/18	Study of Stains	
31	25/8/18	Study of Staining techniques	
32	27/8/18	Study of Simple Staining	
33	1/9/18	Study of Differential Staining	
34	3/9/18	Study of Structural Staining -	
35	8/9/18	Cell wall, endospore, flagella.	
36	10/9/18	Study of capsular staining.	
37	15/9/18	Study of fungal staining - lacto.	
38		phenol cotton blue staining.	
39	17/9/18	Solving Previous question papers.	
40	22/9/18	Preparatory examination.	
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Smiths. n
Lecturer

J. Ch. Sorena
H.O.D.
HEAD OF THE DEPARTMENT OF MICROBIOLOGY
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D. S. S. S.
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Lecture Plan for the Academic Year.. 2018-19

Name of the Teacher..... S. Amarnath.

NAAC A Grade

No. of Working Days

No. of Hours per Week

* Week days during which Class is held

Class..... I B.Sc

Department..... Botany

Subject..... paper-1 - Microbes

No. of Teaching Days

Sl.No.	Date	Topic	Remarks
1	02/7/18	Introduction to Microbiology	
2	9/7/18	properties of viruses	
3	16/7/18	Str of TMV, bacteriophage, & HIV	
4	23/7/18	Reproduction of TMV, Bacteriophage	
5	30/7/18	Reproduction of HIV, Difference b/w AIDS	
6	6/8/18	Plant disease - leaf curl & bunchy top of banana	
7	13/8/18	Viral disease - Animal & Human disease	
8	20/8/18	Bacteria - Discovery & Gen. Character	
9	27/8/18	Remains - veg & Animal (Transection)	
10	3/9/18	Genetic recombination - Capsule, Protoplasm	
11	10/9/18	Economic use of bacteria - Antibiotic & Hormone	
12	17/9/18	Fungi - Substrate & Gen. char	
13	24/9/18	Antibiotic & Antibiotic resistance (GM strain)	
14	1/10/18	Penicillium. Life cycle	
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