

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

Lecture Plan for the Academic Year 2022-23

Name of the Teacher... Dr. Chidananda Murthy

Molecular Biology Class... III B.Sc

Department... Botany

Subject... Botany P-VIII

NAAC A Grade

No. of Working Days 82

No. of Hours per Week 02

* Week days during which Class is held

No. of Teaching Days 32

| Sl.No. | Date | Topic | Remarks |
|--------|----------|---|---------|
| 1 | 8-5-23 | Introduction Syllabus | |
| 2 | 13-5-23 | Identification of genetic material | |
| 3 | 15-5-23 | Griffith and Avery's expt | |
| 4 | 20-5-23 | Hershey and Chase experiment | |
| 5 | 22-05-23 | Nucleotides and Nucleosides | |
| 6 | 27-05-23 | Molecular structure of DNA | |
| 7 | 5-6-23 | Forms of DNA, Replication of DNA | |
| 8 | 10-06-23 | Semiconservative type, Rolling circle model | |
| 9 | 12-06-23 | RNA - Structure and its types m-RNA | |
| 10 | 17-06-23 | r-RNA and t-RNA | |
| 11 | 19-06-23 | Genetic Code, properties of genetic code | |
| 12 | 24-06-23 | Transcription | |
| 13 | 26-6-23 | Translation process | |
| 14 | 1-7-23 | RNA Splicing polysomes | |
| 15 | 3-7-23 | Lac-operon concept of gene regulation | |
| 16 | 8-7-23 | in prokaryotes | |
| 17 | 10-7-23 | Brillen and Davidsohn's model in E. coli | |
| 18 | 15-7-23 | P-VII plant physiology - Introduction | |
| 19 | 17-7-23 | photosynthesis Site of Chloroplast | |
| 20 | 22-7-23 | Pigments, Quantaosomes, PS-I, PS-II | |
| 21 | 24-7-23 | Mechanism: Light reaction | |
| 22 | 29-7-23 | Dark reaction | |

| Sl.No. | Date | Topic | Remarks |
|--------|-----------|---|---------|
| 23 | 31.7.23 | Electron transport mechanism | |
| 24 | 5.8.23 | ATP Synthesis | |
| 25 | 7.8.23 | C ₄ and CAM pathway of Carbon fixation | |
| 26 | 12.8.23 | Respiration: Introduction, Mitochondrion | |
| 27 | 14.8.23 | Glycolysis, (EMP pathway) | |
| 28 | 19.8.23 | Krebs cycle / TCA cycle | |
| 29 | Sp Class | Terminal oxidation, oxidative phosph | |
| 30 | Sp' class | Pentose sugar path way. | |
| 31 | Sp class | Revision | |
| 32 | Sp. class | Test | |
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A. Chandrashekar
Lecturer

A. Chandrashekar
HEAD OF THE DEPT. OF BOTANY
Sree Siddaganga College of Arts,
Science & Commerce for Women

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

Lecture Plan for the Academic Year 2022-2023

Name of the Teacher... Tyjaswini B.R.

NAAC A Grade

Class... I B.S.C. II Sem

No. of Working Days 66

Department... Zoology

No. of Hours per Week 02

Subject... Environmental Studies

* Week days during which Class is held Tuesday, Wednesday No. of Teaching Days 24

| Sl.No. | Date | Topic | Remarks |
|--------|----------|--|---------|
| 1 | 9/05/23 | Syllabus introduction to Environ | |
| 2 | | - mental Studies. | |
| 3 | 16/05/23 | Multidisciplinary nature of | |
| 4 | | Environmental Studies. Scope & importance | |
| 5 | | Concept of Sustainability and Sustain | |
| 6 | | - nable development. | |
| 7 | 17/05/23 | Ecosystem - what is ecosystem? Str & | |
| 8 | | functioning of Ecosystem: Energy flow in | |
| 9 | | an Ecosystem: food chains, food webs & | |
| 10 | 23/05/23 | ecological Succession a) Forest Ecosystem | |
| 11 | | b) Grassland Ecosystem c) Desert Ecosystem | |
| 12 | | Aquatic Ecosystem (ponds, Stream, lake, ocean) | |
| 13 | 24/5/23 | Natural Resources: Renewable & non-Renewable | |
| 14 | | Land resources & land-use change: land degrada | |
| 15 | | tion, Soil Erosion & desertification | |
| 16 | 30/05/23 | Deforestation: Causes & impacts due to | |
| 17 | | mining & building on Environment, | |
| 18 | | forests, biodiversity & tribal population | |
| 19 | 31/05/23 | Water: Use & over-Exploitation of Surface | |
| 20 | | ground water, floods Droughts | |
| 21 | | Conflicts over water (International | |
| 22 | | & inter-State) | |

| Sl.No. | Date | Topic | Remarks |
|--------|----------|---|---------|
| 23 | 6/06/23 | Energy resources: Renewable & non-Renewable | |
| 24 | | energy sources, use of alternative E.S. Growing | |
| 25 | | energy needs. Case Studies | |
| 26 | 7/06/23 | Biodiversity & Conservation: Levels of B.D: | |
| 27 | | Genetic, Species & Ecosystem Diversity Biogeog | |
| 28 | 13/06/23 | raphic zones of India, B.D patterns & global | |
| 29 | | Biodiversity hot Spots. India is a mega | |
| 30 | 14/06/23 | B.D nation: Endangered & Endemic Species of India | |
| 31 | | Threats to B.D: Habitat loss, poaching of wildlife | |
| 32 | | man-wildlife conflict, Biological invasion | |
| 33 | 20/06/23 | Conservation of B.D: In-situ & Ex-situ | |
| 34 | | Ecosystem & B.D services Ecological Economic | |
| 35 | 21/06/23 | Social, ethical, aesthetic & Informational value | |
| 36 | 4/07/23 | Environmental pollution: types, causes, effects | |
| 37 | 5/07/23 | Control: Air, water, Soil & noise pollution. | |
| 38 | 11/07/23 | Nuclear hazards & human health risks | |
| 39 | 12/07/23 | Solid waste management, Control measures of urban & rural | |
| 40 | 18/07/23 | Environmental policy: climate change, global warming, | |
| 41 | 19/07/23 | Ozone layer depletion, acid rain & impacts on human | |
| 42 | 2/08/23 | Environmental law: E.P. Act, water, wildlife | |
| 43 | 8/08/23 | (CBD) Nature Reserves, tribal population & rights | |
| 44 | 9/08/23 | Human Communities & Environment | |
| 45 | 15/08/23 | Human population growth: impact on E, human | |
| 46 | | health & welfare, Resettlement & rehabilitation. | |
| 47 | 16/08/23 | project affected person: Disaster management, flood | |
| 48 | | Control, cyclone, flood, tsunami, E.M. Chipko | |
| 49 | | Silviculture, Bhopal of Rajasthan, Ethics, Policy India | |
| 50 | | Environment, F.C. & P.A. Case Studies (E.g. CNG, vehicle) | |

Tejashwini
Lecturer

Vijay
H.O.D.

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Hm Dinesh
Principal



Sree Siddaganga Education Society (R)

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LECTURE PLAN FOR THE ACADEMIC YEAR 2022-2023

Name RAMYA.M.S Designation Lecturer

Department C.S Class/ Semester VII/VI Subject Computer Graphics

No. of Hrs./Week engaged 7hr. No. of Hrs. prescribed 48 hrs

| Sl.No. | Date | Topic | Remarks |
|--------|-------|--|---------|
| 1 | 11/05 | Introduction of computer Graphics | |
| 2 | 12/05 | Application of C.G, CG classification, CRT | |
| 3 | 13/05 | Raster and Random scan monitors | |
| 4 | 15/05 | Shadow mask method, Display processor | |
| 5 | 16/05 | color mapping, instruction set & Application | |
| 6 | 17/05 | Out primitives Introduction | |
| 7 | 18/05 | line Drawing methods - Direct, DDA | |
| 8 | 19/05 | Bresenham's line Attribute | |
| 9 | 20/05 | Circle Drawing - Direct & midpoint | |
| 10 | 22/05 | Circle Drawing - ellipse Drawing | |
| 11 | 24/05 | Bresenham's ellipse Algorithm | |
| 12 | 25/05 | Area filling - scanline Area filling | |
| 13 | 27/05 | character Attribute | |
| 14 | 31/05 | Introduction of 2D-transformation | |
| 15 | 1/06 | Basic transformation, Translation | |
| 16 | 2/06 | Rotation - Rotation with arbitrary point | |
| 17 | 7/06 | Scaling - Scaling with fixed point | |
| 18 | 8/06 | Reflection & shear, matrix represent | |
| 19 | 10/06 | Homogenous co-ordinate, Composite | |
| 20 | 14/06 | Raster method of transformation | |
| 21 | 15/06 | Introduction of windowing & clipping | |
| 22 | 18/06 | window, viewport, viewing transfor | |
| 23 | 19/06 | clipping process, point clipping | |
| 24 | 21/06 | line clipping Algorithm, midpoint | |
| 25 | 22/06 | Subdivision Algorithm, Area clipping | |
| 26 | 24/06 | Nutherland & Hodgeman polygon | |
| 27 | 25/06 | text clipping, window to view | |
| 28 | 5/07 | port transformation, Blanking | |
| 29 | 6/7 | Introduction of 3D-Graphics & segmen | |
| 30 | 12/07 | 3D-co-ordinate system, 3D Display | |

| Sl.No. | Date | Topic | Remarks |
|--------|-------|---|---------|
| 31 | 13/07 | Parallel projection, perspective projection | |
| 32 | 15/07 | Intensity, weing, 3D-Transformation | |
| 33 | 19/07 | Translation, Scaling, Rotation | |
| 34 | 20/07 | Reflection, shearing, Beizer curve | |
| 35 | 22/07 | Octree, fractal, Hidden line | |
| 36 | 28/07 | Union, intersection, Difference | |
| 37 | 31/07 | Segment, functional attributes | |
| 38 | 2/08 | Input device: keyboard, mouse | |
| 39 | 3/08 | Joystick, Track ball, predefined | |
| 40 | 4/08 | Graphical function | |
| 41 | 5/08 | positioning technique, Grid | |
| 42 | 9/08 | constraint, Dynamic manipulation | |
| 43 | 10/08 | Gravity field, menu pointing & name | |
| 44 | 12/08 | solving previous year quest paper | |
| 45 | 16/08 | Revision | |
| 46 | 17/08 | Revision | |
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Utilization of Syllabus (Split the allotted syllabus into 3 units)

| No. of Unit | Topics covered under the unit | Date | Remarks & Sign |
|-------------|-------------------------------|----------|----------------|
| Unit-I | chapter - 1 chapter - 1 | 11/05/23 | Pameya.M.S |
| Unit-II | chapter - 2 chapter - 3 | 31/05/23 | Pameya.M.S |
| Unit-III | chapter - 4 chapter - 5 | 6/07/23 | Pameya.M.S |

Pameya.M.S
Signature of the Staff

Head of the Department of Computer Science
Sree Siddaganga College for Women
TUMKUR

H.M. Anvesha
Principal



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LECTURE PLAN FOR THE ACADEMIC YEAR 2022-23

Name Shruthi M.P Designation Lecturer
Department Commerce Class/ Semester II Sem Subject Advanced Financial Acc
No. of Hrs./Week engaged 03 No. of Hrs. prescribed 56

| Sl.No. | Date | Topic | Remarks |
|--------|----------|---|---------|
| 1 | 02/05/23 | Unit 1: Introduction & meaning of fire insurance | |
| 2 | 05/05/23 | Basic terminologies of fire insurance | |
| 3 | 06/05/23 | Prblms on caln of normal loss | |
| 4 | 09/05/23 | Prblms on caln of loss of stock | |
| 5 | 12/05/23 | Prblms on caln of loss of stock | |
| 6 | 13/05/23 | Prblms on caln of amt of claim | |
| 7 | 16/05/23 | Prblms on caln of amt of claim | |
| 8 | 19/05/23 | Prblms on treatment of salvage & fire extinguishing exp | |
| 9 | 20/05/23 | Prblms on caln of abnormal loss | |
| 10 | 23/05/23 | Prblms on caln of abnormal loss | |
| 11 | 26/05/23 | Unit 2 - Introduction & meaning of departmental a/c | |
| 12 | 27/05/23 | Advantages & disadvantages | |
| 13 | 30/05/23 | Methods of departmental a/c | |
| 14 | 2/6/23 | Basis of allocation of expenditure | |
| 15 | 3/6/23 | Types of departments | |
| 16 | 6/6/23 | Inter-departmental transfers | |
| 17 | 9/6/23 | Prblms on caln of units of closing stock | |
| 18 | 10/6/23 | Prblms on preparation of trading & P&L a/c | |
| 19 | 13/6/23 | Prblms on preparation of trading & P&L a/c | |
| 20 | 16/6/23 | Prblms on preparation of final a/c | |
| 21 | 17/6/23 | Prblms on preparation of final a/c | |
| 22 | 20/6/23 | Prblms on preparation of final a/c | |
| 23 | 23/6/23 | Unit 4 - Introduction & meaning of branch a/c | |
| 24 | 24/6/23 | Diff b/w branch & departmental a/c | |
| 25 | 30/6/23 | Types of branches | |
| 26 | 1/7/23 | Methods of a/c | |
| 27 | 4/7/23 | Problems on dependant branches | |
| 28 | 11/7/23 | Prblms on when goods are sent at cost price | |
| 29 | 14/7/23 | Prblms on preparation of Dr & branch a/c | |
| 30 | 15/7/23 | Prblms on preparation of Dr & branch a/c | |

| Sl.No. | Date | Topic | Remarks |
|--------|------------|--|---------|
| 31 | 18/7/23 | Prblms on when goods are sent at invoice price | |
| 32 | 21/7/23 | Prblms on Bal ⁿ of load. | |
| 33 | 22/7/23 | Prblms on preparation of branch a/c's. | |
| 34 | 25/7/23 | Techniques of foreign currency transactions | |
| 35 | 4/8/23 | units - convey. methods of single entry into double entry | |
| 36 | 5/8/23 | Giving format of diff. statements to find out missing info | |
| 37 | 8/8/23 | Solving 2 mark problems | |
| 38 | 11/8/23 | Prblms on cal ⁿ of: Purchases, Sales, Drs & Crs | |
| 39 | 12/8/23 | Prblms on preparation of final a/c's | |
| 40 | 18/8/23 | Prblms on preparation of final a/c's | |
| 41 | 19/8/23 | Prblms on preparation of final a/c's | |
| 42 | EXTR class | Prblms on preparation of final a/c's. | |
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Utilization of Syllabus (Split the allotted syllabus into 3 units)

| No. of Unit | Topics covered under the unit | Date | Remarks & Sign |
|-------------|-------------------------------|------|----------------|
| Unit-I | | | |
| Unit-II | | | |
| Unit-III | | | |

Shruti. m. f
Signature of the Staff

Head Of The Departm
Commerce & Management
Sri Siddaganga College of Arts, Science
& Commerce for Women, Tumakuru

Rusey
PRINCIPAL, Class - 1,
Sri Siddaganga College of Art
Science and Commerce for Women