



Devgiri Pratishthan's
Siddharth Library and Information Science College
Padegaon, Aurnagabad

Office Contact:- 7620820522

Contact 9850141764

Email :- collegesiddharth7@gmail.com

Website :- www.siddharthcollege.org

Dr. Manohar Wankhade

Principal

M.Com., M. B. A., M. C. A., M. Phil., Ph. D.

Ref: - Siddharth/2022-23/

Certificate- ICT

This is to certify that following teachers have used ICT tools for Effective Teaching in the Class

Hence Certify.

Sr. No.	Name of Full Time Teacher
1	Dr. Raju Shesharao Wankhede
2	Mr. Arvind Asaram Bharade
3	Dr. Vinod Govinda Ambhore
4	Mr. Ganesh Suresh Ragde
5	Mr. Sudarshan Sonaba Dipake
6	Mrs. Swati Barikrao Shilwant
7	Dr. Sukeshini Arjun Jadhav
8	Mr. Gautam Suryabhan Adhagale
9	Dr. Jyoti Madhukar Bagul
10	Dr. Milind S. Athawale




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Devgiri Pratishtan's

SIDDHARTH LIBRARY AND INFORMATION SCIENCE COLLEGE
PADEGAON, AURANGABAD

Office Contact: 0240-2400041
Contact: 9850141764
College Code:- 807
Email: collegesiddharth7@gmail.com

Principal
Dr. Manohar S. Wankhade
M. Com, M.B.A., M.C.A., M. Phil., Ph.D.

List of Lecture's Topics for Use of ICT Tools

Name of Teacher: - _____

Subject: - _____

Sr. No.	Lecture's Topic using ICT	Year
1	Anglo-American Cataloguing Rules (AACR II)	2021-22
2	Knowledge Organization	2021-22
3	Need and Purpose of Catalogue	2021-22
4	Cataloguing Definition	2021-22
5	Library Management	2022-23
6	Normative principles of cataloguing	2022-23
7	Physical Form of Cataloguing	2022-23
8	Introduction Research	2022-23
9	Questionnaire	2023-24
10	Sampling Techniques	2023-24
11	Hypothesis	2023-24
12	Information Sources	2023-24
13	Reference Service	2023-24
14	Alerting Services	2023-24



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Name of teacher: - DR. VINOD G AMBHORE

Subject :- commerce

Sr. No.	ICT Lectures Topic	Date & time
1	Lecture on banking	2018-19
2	Lectures on prin. of business mgt.	2018-19
3	Lectures on BRF	2019-20
4	Lectures on BMS	2019-20
5	Lectures on Auditing	2020-21
6	Lectures on marketing mgt.	2020-21
7	Lectures on cost accounting	2021-22
8	Lectures on management A/C	2021-22
9	Lectures on financial a/c	2022-23
10	Lecture on entre dev	2022-23
11	Lectures on Computerized accounting	2022-23
12	Lectures on Direct taxes	2023-24




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Name of the Lecturer:- Dr. Manohar S. Wankhade

Subject:- M.Com. I ,II, II, IVth Semester.

Sr. No.	ICT Lecture's Topic	Date and Time
1.	Lecturer On Management Process & Organizational Behavior	2017-18
2.	Lecturer on Corporate Financial Accounting	2017-18
3.	Lecturer on Business Environment	2017-18
4.	Lecturer on Advance Cost Accounting	2018-19
5.	Lecturer on Marketing Management.	2018-19
6.	Lecturer on Financial Management.	2018-19
7.	Lecturer on Strategic Management.	2019-20
8.	Lecturer on E- Business.	2019-20
9.	Lecturer on Research Methodology.	2019-20
10.	Lecturer on Human Resource Planning & Development.	2020-21
11.	Lecturer on Business Legislation.	2020-21
12.	Lecturer on International Marketing.	2020-21
13.	Lecturer on Advertising and Media Management.	2021-22
14.	Lecturer on International Business.	2021-22
15.	Lecturer on International Development.	2022-23
16.	Lecturer on Principle of Business Management.	2022-23
17.	Lecturer on Advertising and Publicity .	2022-23
18.	Lecturer on Statistical Analysis.	2023-24
19.	Lecturer on Functions of Management.	2023-24
20.	Lecturer on Research Project.	2023-24




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Signature of the
Lecturer

SIDDHARTH LIBRARY AND INFORMATION SCIENCES
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NAME OF Professor :- Dr. Sukeshani Jadhav

SUBJECT :- Economic

SR.NO	LECTURE'S TOPIC	DATE&TIME
1	Advantages and Disadvantages of Rural Entrepreneurship	2020-2021
2.	Entrepreneurship Development programme	2020-2021
3.	Entrepreneur competencies	2020-2021
4.	Entrepreneurship Environment	2021-2022
5.	Importance of Rural Entrepreneurship	2021-2022
6.	Panchayat Raj system	2021-2022
7.	Problems of Rural Entrepreneurship in India	2022-2023
8.	Problems of Rural Industrialization	2022-2023
9.	Quality & Characteristics of Entrepreneurs	2022-2023
10.	Lecture on promotion, appraisal, exit, telephone.	2023-2024
11.	Role of Entrepreneurship in Economic Development	2023-2024
12.	Rural Entrepreneurship	2023-2024
13.	Rural Industrialization	2023-2024
14	Types of Environment Entrepreneurships	2023-2024



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SIDDHARTH LIBRARY AND INFORMATION SCIENCES COLLEGE

PADEGAON AURANGABAD


Name of Teacher :- Dr. Sukeshani Jadhav

Subject:- Economic

Sr. No.	ICT Lecture's Topic	Date
1	Advantages and Disadvantages of Rural Entrepreneurship	2020-2021
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3.	Entrepreneur competencies	2020-2021
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13.	Rural Industrialization	2023-2024
14	Types of Environment Entrepreneurships	2023-2024

Dr. Sukeshani Jadhav





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DEPARTMENT OF CHEMISTRY

NO	YEAR	TOPIC NAME
1	2021-2022	GAS CHROMATOGRAPHY
2	2021-2022	SYMMETRY CONCEPTES
3	2022-2023	ELIMINATION REACTION
4	2022-2023	CHEMISTRY OF METAL CARBONYLS
5	2022-2023	METAL NITROSYL COMPOUNDS
6	2023-2023	ELECTRO CHEMISTRY
7	2023-2024	PHOTOCHEMISTRY
8	2023-2024	ISOMERISM




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NAME OF PROFESSOR: _____

SUBJECT :- PUBLIC ADMINISTRATION

No	Presentation of Subject	Year
1	Evolution of Public Administration as a Discipline	2020 – 2021
2	Span of Control	2020 - 2021
3	Audit Programme	2021-2022
4	Basics Of Communication	2021 - 2022
5	Recruitment	2022 - 2023
6	Union – State Financial Relations in India	2022 - 2023
7	Niti Aayog	2023 - 2024
8	Constitutional Values	2023 - 2024
9	Financial Polices of Role	2023 - 2024
10	Fundamental Rights	2023 - 2024





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Sociology

Year	Name of Topic
2021-22	Introduction to Sociology.
2021-22	Marriage Institution
2021-22	Definition and Meaning of Society
2021-22	New Form of Family
2022-23	Dr. Babasaheb Ambedkar-Social Reconstruction.
2022-23	Cinematic Sociology Definition
2022-23	Indian Social problem-Child Labor
2022-23	Mass Media:- Impact of television viewing on children
2023-24	August Comte
2023-24	Feminism
2023-24	Fertility and Reproduction and Mortality
2023-24	Observation: participant and Non-participant




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NAME OF TEACHER :-

SUBJECT :- COMPUTER SCIENCES

SR.NO	LECTURE'S TOPIC	DATE&TIME
1	Lecture on Communication with Media	
2.	Lecture on Notices, Minutes, Manual, Leaflet, Complaints & Suggestion, Job Application.	
3.	Lecture on Visual Media of communication	
4.	slide presentation, Pictures & Photographs, Posters & Advertisement.	
5.	Non-Verbal Media of Communication	
6.	Written Communication: Reports	
7.	Problem of Group Communication- Meeting - types of meeting, Advantages	
8.	Disadvantages of Meeting, - Preparation for Meeting – conduct of a Meeting – Responsibility of participants	
9.	Lecture on Purpose, Types of interviews	
10.	Lecture on promotion, appraisal, exit, telephone.	
11.	Lecture on Employment or selection Interview	
12.	Lecture on Question commonly asked in interview	
13.	Lecture on Interviewer's preparation.	



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NAME OF TEACHER :-

SUBJECT :- **Zodogy**

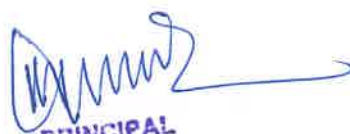
SR.NO	LECTURE'S TOPIC	DATE&TIME
1	Lecture on . Introduction to animal kingdom	
2.	Lecture on Definition of Zoology, Outline classification (Protozoa, Parazoa, & Metazoa), Major phyla.	
3.	Lecture on <i>Plasmodium vivax</i> : - Structure of sporozoite, Life cycle; pathogenecity, Control, Prevention and Treatment of Malaria	
4.	Lecture on Sycon (<i>Scypha</i>): - Morphology, Different types of cells in sycon, canal system in Porifera	
5.	Lecture on <i>Obelia</i> : - Morphology of Obelia colony	
6.	Lecture on Development of Hydra, Polymorphism in coelenterates.	
7.	Helminths. Classification	
8.	<i>Fasciola hepatica</i> : - Structure, Life cycle, Pathogenecity & Control	
9.	<i>Taenia solium</i> : - Structure of scolex, Mature and gravid proglottids, Life cycle, pathogenecity, and control measures	
10.	Lecture on promotion, appraisal, exit, telephone.	
11.	<i>Ascaris lumbricoides</i> : - Structure of male & female, Life cycle,	
12.	Annelida Classification.	
13.	Lecture on General structure of cell	
14.	Lecture on Structure of prokaryotic cell.	
15.	Lecture on Structure of eukaryotic cell	




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16.	Lecture on Cell Cycle, Mitosis, Meiosis	
17.	Lecture on Organisation of cell	
18.	Lecture on Endoplasmic reticulum: - Structure and function.	
19.	Golgi Bodies: - Structure and function	
20.	DNA Structure	
21.	Types of RNA	
22.	Lysosome : - Structure, function and polymorphism	
23.	Ribosomes: - Structure and function	




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NAME OF TEACHER :-

SUBJECT :- **Botany**

SR.NO	LECTURE'S TOPIC	DATE&TIME
1	Viruses General characters, classification based on host, economic importance	
2.	Mycoplasma: General characters	
3.	Bacteria: General characters, ultra structure, classification based on shape, reproduction, economic importance	
4.	Cryptogams: General characters,	
5.	classification according to G.M. Smith up to class level	
6.	Lichens: General characters	
7.	nature of association, forms of thalli, economic importance, structure and reproduction in <i>Usnea</i>	
8.	Unit – 2 Credit - 1 2. Algae:	
9.	General characters, classification economic importance	
10.	Systematic position, occurrence, thallus structure, reproduction vegetative,	
11.	asexual and sexual, (excluding development of sex organs) and graphic life cycle with respect to following type	
12.	Cyanophyceae – <i>Nostoc</i> Chlorophyceae – <i>Chara</i>	
13.	Xanthophyceae – <i>Botrydium</i> (02) Phaeophyceae – <i>Sargassum</i> (03) Rhodophyceae – <i>Batrachospermum</i>	
14.	Unit – 3 Credit -1 3. Fungi: 3.1 General characters, classification according to Alexopoulos and Mims (1979) up to the class level, economic importance (0	
15.	Systematic position, occurrence, structure of mycelium, reproduction - asexual, sexual and graphic life cycle	




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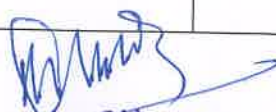
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NAME OF TEACHER :-

SUBJECT :- CHEMISTRY

SR.NO	LECTURE'S TOPIC	DATE&TIME
1	Lecture on Atomic Structure:	
2.	Lecture on Atomic orbital's, Quantum numbers, Heisenberg uncertainty	
3.	Lecture on principle, shapes of s, p, d orbital's. Aufbau and Pauli exclusion principles.	
4.	Lecture on Aufbau and Pauli exclusion principles. Hund's multiplicity rule.	
5.	Lecture on Electronic configurations of the elements, Bohr's atomic model (Qualitative aspect only).	
6.	Lecture on Atomic and Ionic radii, Ionization Energy	
7.	Lecture on Electron affinity and Electro negativity.	
8.	Lecture on Trends in periodic table and application in predicting and explaining the chemical behavior	
9.	Lecture on S-Block Element	
10.	Lecture on Comparative study, diagonal relationship, salient features of hydrides, solvation and complexation	
11.	Lecture on Tendencies including their functions in biosystems.	
12.	Lecture on P - Block Elements	
13.	Lecture on Comparative Study (including diagonal relationship) of groups 13-17 elements,	
14.	Lecture on compounds like hydrides oxides of groups 13-16. Interhalogen compounds and its types.	
15.		




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NAME OF TEACHER :-

SUBJECT :- MATHEMATICS


SR. NO	LECTURE'S TOPIC	DATE&TIME
1	Lecture on Differential Calculus	
2.	Lecture on 1. Prerequisite: Functions: Domain and range of a function, independent and dependent variables	
3.	Lecture on polynomial functions and rational functions, constant functions and identity functions, one-one functions, onto function, invertible functions, composite function	
4.	Lecture on Limit and Continuity: Limit of a function,	
5.	Lecture on left handed and right handed limits, non existence of limit, theorems on limits (statements only), theorems on continuity (statements only), discontinuity, types of discontinuity.	
6.	Lecture on Differentiations: Derivative of a function	
7.	Lecture on derived function, derivability implying continuity, geometrical interpretation of a derivative	
8.	Lecture on hyperbolic functions, derivatives of hyperbolic and inverse hyperbolic functions, logarithmic differentiation, derivative of implicit functions.	
9.	Lecture on Successive Differentiation: Higher order derivatives,	
10.	Lecture on calculation of n^{th} derivatives, some standard results, determination of n^{th} derivative of rational functions	




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11.	Lecture on derivatives of the products of the powers of sines and cosines, Leibnitz's theorem: n^{th} derivative of the product of two functions.	
12.	Lecture on Mean Value Theorems: Rolle's Theorem, Lagrange's mean value theorem	
13.	Lecture on Cauchy's mean value theorem, higher derivatives, Taylor's theorem, Maclaurin's theorem, Maclaurin's power series for a given function	
14.	Lecture on Differentiation: Function of two variables, limit of a function of two variables, continuity of a function	
15.	Lecture on Vector Calculus 1. Prerequisite: Scalar product of two vector	




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NAME OF TEACHER :-

SUBJECT :- **Environmental Science**

<i>SR.NO</i>	<i>LECTURE'S TOPIC</i>	<i>DATE&TIME</i>
1	Lecture on ABIOTIC COMPONENTS OF ENVIRONMENT	
2.	Lecture on Atmosphere	
3.	Lecture on Definition; structure and composition of atmosphere; evolution of atmosphere; composition of air	
4.	Lecture on Atmospheric temperature; atmospheric pressure; earth's radiation balance	
5.	Lecture on Lithosphere	
6.	Lecture on Definition; structure of lithosphere; soil formation (pedogenesis) – physical, chemical and biological weathering	
7.	Lecture on soil composition; soil profile; physico-chemical properties of soil; soil erosion.	
8.	Lecture on Hydrosphere	
9.	Lecture on Definition; structure of water molecule; properties of water (physical and chemical); distribution of water on earth	
10.	Lecture on global water balance (GWB); gases in water; hydrological cycle.	
11.	Lecture on Biosphere	
12.	Lecture on Definition ; components of biosphere; soil as habitat for living organisms; water as habitat for living organisms.	
13.	Lecture on Environmental balance	
14.	Lecture on Balance in O ₂ and CO ₂ in air; thermal balance ; balance in predator and prey population	




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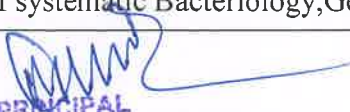
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NAME OF TEACHER :-

SUBJECT :- **Microbiology**


SR.NO	LECTURE'S TOPIC	DATE&TIME
1	Lecture on Scope & relevance of Microbiology	
2.	Lecture on Definition & concepts	
3.	Lecture on Types of microorganism	
4.	Lecture on Distribution of microorganisms in nature	
5.	Lecture on Development of Microbiology as a Scientific Discipline History Early observation of microorganisms	
6.	Lecture on ii) Spontaneous generation conflict : Contribution of scientists iii) Recognition of the microbial role in diseases. Koch's postulates	
7.	Lecture on iv) Recognition of microbial role in fermentations. v) Discovery of microbial effects on organic and inorganic matter. vi) Pure culture concept.	
8.	Lecture on 2 General characteristics of microorganisms	
9.	Lecture on .1 General principles (Bacteria) i) Taxonomic rank ii) Classification system iii) Numerical taxonomy iv) Major characteristics used in taxonomy	
10.	Lecture on Morphological, Physiological, Immunological, Metabolic, Etiological. Compositions of proteins,	
11.	Lecture on composition of nucleic acids, hybridization, nucleic acid sequencing, identification of organisms based on 16srRNA sequencing, 16S rDNA sequencing	
12.	Lecture on Bergey's manual of systematic Bacteriology, General	




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	characteristics enlisting all parts with major characters & examples.	
13.	Lecture on General characteristics and classification of Viruses.(LHT system) 2.3 General characters of Fungi (including yeasts) 2.4 General characters of Actinomycetes 2.5 General characters of Algae 2.6 General characteristics of Mycoplasma and Rickettsia. 2.7 General characteristics of Archaeobacteria 2.8 Introduction to Gnotobiology/ axenic life/ space microbiology.	
14.	Lecture on Microscopy 3.1 Properties of light i) Definitions : Magnification, resolving power, depth of focus, focal length, numerical aperture.	
15.	Lecture on Principles, construction using ray diagram, application and comparative study of : i) Compound Microscope ii) Electron Microscope – SEM, TEM 3.3 Principles, ray diagram & applications. i) Phase contrast microscope.	




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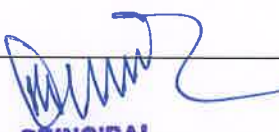
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NAME OF TEACHER :-

SUBJECT :- PHYSICS


SR.NO	LECTURE'S TOPIC	DATE&TIME
1	Lecture on Mechanics and Properties of matter	
2.	Lecture on Gravitation : Introduction, Kepler's laws and their deduction, Newton's deduction from Kepler's laws, law of gravitation, gravitational field and potential (concept), gravitational field and potential at a point inside and outside	
3.	Lecture on (1) spherical shell and (2) solid sphere	
4.	Lecture on Moment of Inertia : Introduction, derivation of moment of inertia for the (1) rectangular lamina, (2) annular	
5.	Lecture on (3) spherical shell, (4) solid sphere and (5) flywheel.	
6.	Lecture on 3. Elasticity : Introduction, relations between the elastic constants	
7.	Lecture on twisting couple on a cylindrical rod or wire, modulus of rigidity by torsional pendulum, bending of beam, bending moment, beam supported at both ends,	
8.	Lecture on (i) uniformly loaded (ii) loaded at the centre, cantilever loaded at the free end (i) weight of the beam is ineffective (ii) weight of the beam is effective.	
9.	Lecture on 4. Kinematics of moving fluid : stream line and turbulent flow	
10.	Lecture on critical velocity, equation of continuity, energy possessed by liquid	
11.	Lecture on pressure energy, kinetic energy & potential energy), Bernoulli's theorem, (i) Steam injector, (ii) filter pump.	
12.	Lecture on Viscosity, Poiseuille's formula (derivation). Reynold's formula, deduction by method	




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	of dimension, significance of Reynold's number.	
13.	Lecture on Heat and Thermodynamics	
14.	Lecture on Thermodynamics : zeroth law of thermodynamics (thermal equilibrium and concept of temperature types of thermometers, platinum resistance thermometer)	
15.	Black body radiation	




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