



Rajeev Gandhi Govt. Post Graduate College, Ambikapur (C.G.)
(An Autonomous College Affiliated to Sant Gahira Guru University, Sarguja,
Ambikapur, Chhattisgarh)

**Report on Capacity development and skills enhancement activities organized for
improving students capability (Year 2022-2023)**

Objective: Ability Enhancement Course aims to develop abilities and proficiency of the students in communication skills and enhance knowledge in the study areas such as Environmental studies. Skill Enhancement Course and Value Added Course aim towards improving the employability skills of students and provide the opportunity to develop their inter-disciplinary skills.

Ability Enhancement Course		
Paper Name	Class	Month of Implementation
Hindi Language	B.Sc. Bio, B.Sc. Math, B.C.A., B.A., B.Com.-I Semester	July 2022
English Language	B.Sc. Bio, B.Sc. Math- II Semester	Feb, 2023
Environmental Studies	BCA, B.A, B.Com-II Semester	Feb, 2023

Skill Enhancement Course		
Paper Name	Class	Month of Implementation
Science and technology	B.Sc. Bio, B.Sc. Math, B.C.A., B.A., B.Com.-I Semester	July, 2022

Value Added Course		
Paper Name	Class	Month of Implementation
Understanding India	B.Sc. Bio, B.Sc. Math, B.C.A., B.A., B.Com.-I Semester	July, 2022

Syllabus:

B. A /B.Sc./B.Com/B.C.A AEC: Communication Skill in English Course Type : AEC Credit - 02 Course Code: AECENG02 SEE- 40 CCA- 10	
UNIT -I 15 Hours	Theory of Communication, types of Communications - Verbal and Non-Verbal (Spoken and Written) , Barriers of Communication, Tense, Voice , Narration , Modals .
UNIT -II 15 Hours	Writing Skill : Notice Writing , Dialogue Writing ,Report Writing , Writing Letters - Business ,Appointment ,Reading Comprehension, Translation , Hindi to English (K.P. Thakur , Translation Book exercise - 1-15) Speaking Skill :Dialogue, Interview.

[Signature]

UG - SEMESTER I			
COURSE TITLE: SCIENCE AND TECHNOLOGY			
Course Code: UN104		Course Type: SEC (Skill Enhancement Course)	
Credit -2		Hours-30hrs	
Theory		Theory-50 Marks	
Unit - I (15 hrs)	Unit: I Nuclear energy, Nuclear fission, fusion ,chain reaction, Electric current and magnetism Atoms & Molecules, Elements, Acid and Bases Compounds & Mixtures Microbes, Cells – (Plants vs Animals) , Proteins, Vitamins and Minerals – Deficiency Diseases		
	Unit - I (15 hrs)	Unit: II Achievements of Indians in science & technology: Scientist of ancient and modern India, Awareness in the fields of IT, Computers, robotics, Nano-technology,	

B. A /B.Sc./B.Com/B.C.A

Semester- I/II

AEC : Environmental Studies- I

Internal Assessment : 10

AEC03

Credit - 02

SEE- 40

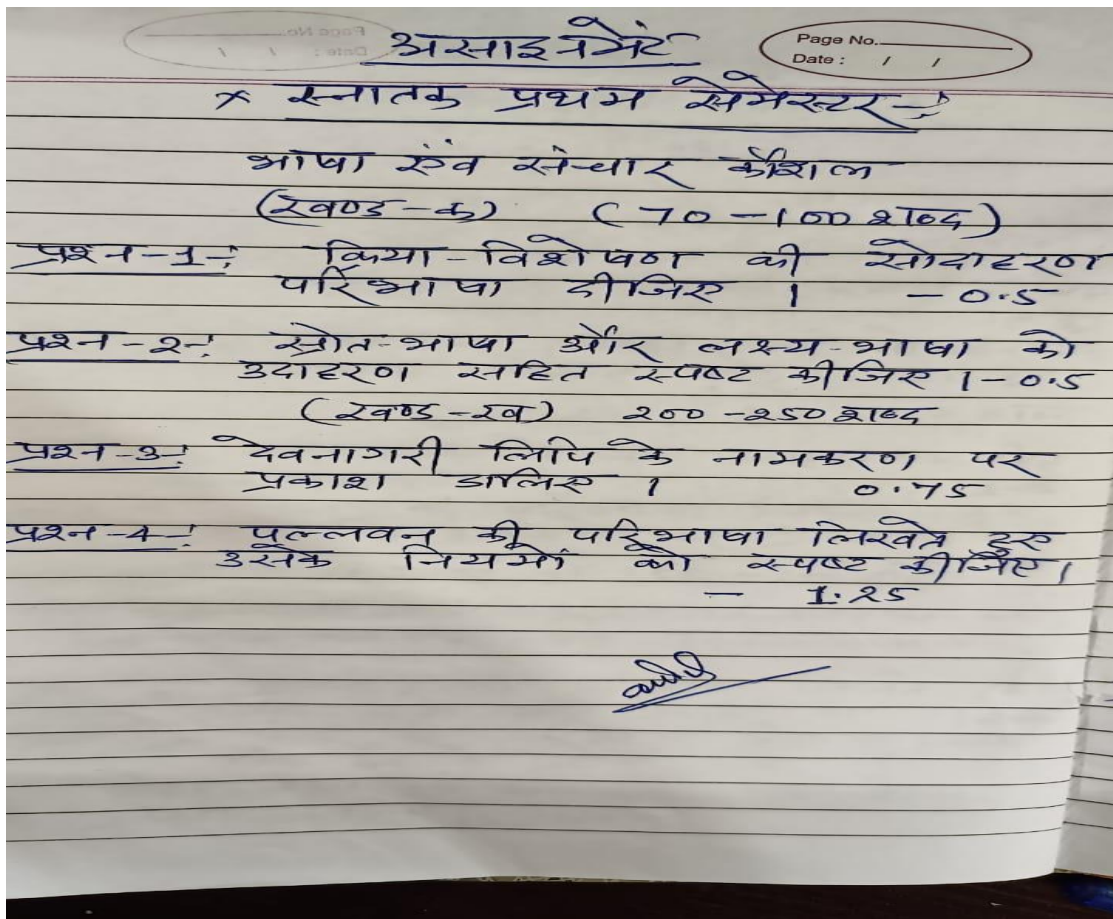
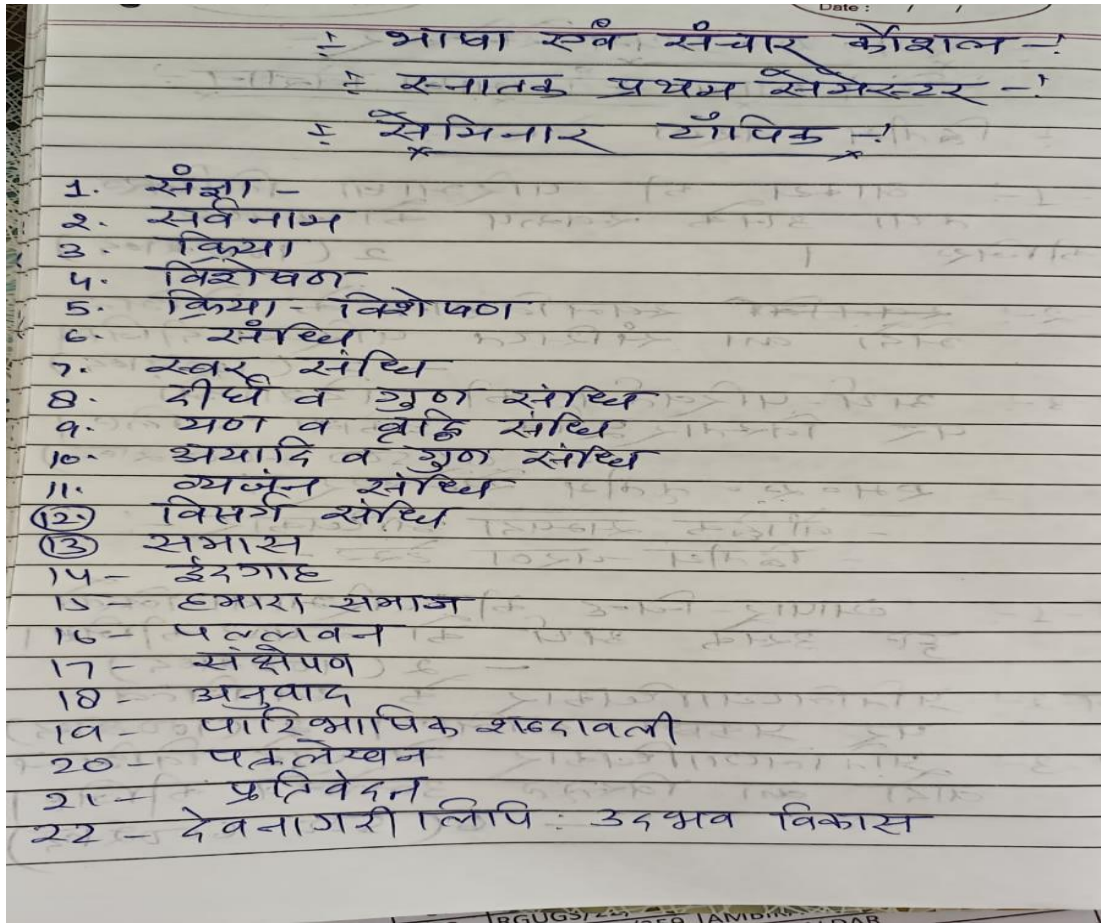
Course Code:

M.M.- 40+10=50

UNIT -I 10 Hours	<p>THE MULTI DISCIPLINARY NATURE OF ENVIRONMENTAL STUDIES: Definition, Scope and importance , Need for public awareness. Natural Resources: Natural resources and associated problems . (a) Forest resources : Use and over exploitation, deforestation . (b) Water resources: Use and over utilization of surface and ground water, problems. (c) Mineral resources : Use and exploitation and environmental effects .</p>
UNIT -II 10 Hours	<p>ECOSYSTEMS. Concept of ecosystem . Structure and function of ecosystem, <ul style="list-style-type: none"> Producers , Consumers and decomposers Energy flow in the ecosystem. Food chains , food webs and ecological pyramids. </p>
UNIT -III 10 Hours	<p>Biodiversity and its conservation. <ul style="list-style-type: none"> Introduction - Definition: genetic, species and ecosystem diversity. Biogeographical Regions of India . Biodiversity at global , national and local levels. Endemic and Endangered species . Causes of Bio diversity Deflation. Conservation of biodiversity : In-situ and Ex-situ conservation of biodiversity . </p>

References Boosk:-

1. Agarwal K.C., 2001 Environmental Biology, Nidi Pubi, Ltd. Bikaner.
2. Dr. A.K., Environmental Chemistry, Wiley Estern Ltd.
3. Odum, E.P. 1971, Fundamentals of Ecology, W.B. Saunders, Oxford & IBH publi. Co. Pvt. Ltd.
4. Dr. Savindra Singh , 2022 Pryavaran Bhoogol , Pravalika, publication, prayagraj.



Undergraduate Programme
Semester- First
Course Title- Under Standing India-
Historic and Socio-Economic Perspective

Course Code- UNI -03		Course Type- CCC
Credit- Theory- 4	Practicum-1	Hours- Theory- 60, Practicum-30
Marks- Theory- 70	Practicum-30	
UNIT-I Hours-15	Ancient India- Civilization and Religion (i) Indus Valley Civilization – Origins, Society, economy, and culture- Contacts with other cultures. (ii)Vedic Civilization-Political and Socio-Economic organization, The evolution of the Varna system and monarchy. (iii)Buddhism and Jainism- Factors for the spread. (iv)The Mauryan and The Guptas Empire- Literature, Science, Arts, Economy, and society.	
UNIT -II Hours-15	Delhi Sultanate and Mughal Period- Under the Slave Rulers. administrative, agrarian and economic measures. decline of the Delhi Sultanate. The Mughal Empire and religious policies. Vijayanagara Empire. Peshwa of Maratha Empire and Chhatrapati Shivaji. The decline of the Mughal Empire .	
UNIT -III Hours-15	British Periods and Indian Freedom Struggle: Economic Impact of the British Period. land revenue, Settlements, Railways and commercialization of agriculture. Indian Renaissance, religious and social reform movements; The 1857 Revolt-reasons, character and result. Indian Freedom Struggle- Indian Revolutionary Freedom Fighters, Gandhian thoughts and techniques of mass mobilization, Subhash Chandra Bose and the Indian National Army. Partition and Independence.	
UNIT -IV Hours-15	Socio-Economic Development Of Post- Independent India- Factors of Socio- Economic development in India:- Physical, human, Technology and institutions. Population trends, Urbanization ,Occupational structure, Migration, Employment, Development of India- Agriculture, Industry and Others Economic Sectors. Critical evaluation of Inequality, Poverty, Education and Health Status. Impact of Liberalization, Privatization, Globalization (LPG) in India. Human Development in India.	

References-

- 1-R.C. Majumdar- Ancient India,(Hindi and English Both) Motilal Banarsidas Publishing House, Delhi
- 2-Shailendra Nath Sen- Ancient Indian History and Civilization, New Age international Publishers, New Delhi.
- 3-Satish Chandra- A History Of Medieval India,
- 4-A.K. Mittal- Bhartiya Sanskriti Ka Itihas , Sahitya Bhavan Publication, Agra





Outcome: Students are benefited from these Capacity development and Skills enhancement programmes by enriching their knowledge, skills and employability capability.


 Principal
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improving students capability (Year 2023-2024)**

Objective: Ability Enhancement Course (AEC) aims to develop abilities and proficiency of the students in communication skills and enhance knowledge in the study areas such as Environmental studies. Skill Enhancement Course (SEC) aims at providing hands-on training, proficiency and competency to students to develop their analytical skills and logical thinking. Value Added Course (VAC) aims towards improving the employability skills of students and provide the opportunity to develop their inter-disciplinary skills.

Ability Enhancement Course		
Paper Name	Class	Month of Implementation
Hindi Language	B.A-I Semester	July 2023
English Language	B.Sc. Bio, B.Sc.Maths, BCA-I Semester	July 2023
Environmental Studies	B.Com-I Semester	July 2023
Hindi Language	BCA, B.Sc Bio, B.Sc Maths-II Semester	Feb, 2024
Environmental Studies	B.Com-II Semester	Feb, 2024

Skill Enhancement Course		
Paper Name	Class	Month of Implementation
Science and technology	B.Sc. Maths-I Semester	July 2023
Electronics Instrumentation-I	B.Sc. Maths-I Semester	July 2023
Office Automation	B.A-I Semester	July 2023
Mushroom Cultivation	B.A-I Semester	July 2023
Psychological Counseling	B.A -I Semester	July 2023
Introduction to Digital Marketing	BCA -I Semester	July 2023
Quantitative Aptitude	B.Sc. Bio-I Semester	July 2023
Vedic Mathematics	B.Com-I Semester	July 2023
Science and technology	B.Sc. Bio, B.Sc. Maths-II Semester	Feb, 2024
Fundamental of IOT	BCA-II Semester	Feb, 2024
Quantitative Aptitude	B.Sc. Bio-II Semester	Feb, 2024
Electronics Instrumentation-II	B.Sc. Maths-II Semester	Feb, 2024
Vedic Mathematics	B.Com-II Semester	Feb, 2024
Banking Practices	B.Com-II Semester	Feb, 2024

Value Added Course		
Paper Name	Class	Month of Implementation
Cyber Crime & Security-I	B.Sc.Maths-I Semester	July 2023
Basic Physics of Nanotechnology-II	B.Sc.Maths-I Semester	July 2023
Vermiculture	B.Sc. Bio-I Semester	July 2023
Advance Cartography	B.Sc. Bio-I Semester	July 2023
Chhattisgarhi Bhasa	B.A-I Semester	July 2023
Cooperative Agriculture & Milk Production	B.A-I Semester	July 2023
E-governance	B.A-I Semester	July 2023
Right to Information & Practice	B.A-I Semester	July 2023
Tourism & Cultural History	B.A-I Semester	July 2023
Understanding India	B.A-I Semester	July 2023
Health, Wellness & Yoga	B.A-III Semester	July 2023
Banking Practices	B.Com-II Semester	Feb, 2024
Basic Concept of Database	BCA-II Semester	Feb, 2024
Advanced Cartography	B.Sc. Bio-II Semester	Feb, 2024
Vermiculture	B.Sc. Bio-II Semester	Feb, 2024
Basic Physics of Nanotechnology-II	B.Sc. Maths-II Semester	Feb, 2024
Cyber Crime & Security-II	B.Sc. Maths-II Semester	Feb, 2024
Business Law	B.Com-II Semester	Feb, 2024

Syllabus:

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B.SC.-I		FIRST SEMESTER	COURSE CODE: VACPHY-01
PAPER CODE: PVAC-1T		Credit: (Theory-02), Theory: 30 Hours,	
PAPER TITLE: BASIC PHYSICS OF NANO TECHNOLOGY-I			
THEORY MARKS: 50 (CCA: 50)			
Question Pattern-i) Objective Type Question-MCQ, Fill up the blanks, True/False, Total- 10 Q. ii) Very Short Answer Type- Word Limit 70-100, Total-5 Q. iii) Short Answer Type- Word Limit 200-250, Total-5 Q. iv) Long Answer Type- Word Limit 500-600, Total-5 Q.			
UNIT-1 15Hours	Definition of nanotechnology, why Nanotechnology, tools and techniques, Field of Molecular Nanotechnology, uses of Nanotechnology		
UNIT-2 15 Hours	Basic idea of nanotechnology, Techniques used in Technology (types, advantages, drawbacks and their characteristics), Tools used in nanotechnology (types, advantages, drawbacks and their characteristics)		
SUGGESTED READINGS	1. Understanding of Nanotechnology by D.G. Sauder 2. Basics Of Nanotechnology by Bohra And L S Bio Green Publisher 3. Introduction to Nanoscience and Nanotechnology by k.k. chattopadhyay, PHI Publication		
Practicum (02 Credit)	Peer/Micro teaching, Class Seminar, Quiz, Group Discussion		

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* स्नातक प्रथम सेमेस्टर *

आषा खंवे सोनवार केंद्रीय

(खण्ड-क) (70-100 शब्द)

प्रश्न-1: क्रिया-विशेषण की सहायता
परिभाषा दीजिए। - 0.5

प्रश्न-2: स्रोत-भाषा और लक्ष्य-भाषा को
उदाहरण सहित स्पष्ट कीजिए। - 0.5

(खण्ड-ख) 200-250 शब्द

प्रश्न-3: देवनागरी लिपि के नामकरण पर
प्रकाश डालिए। 0.75

प्रश्न-4: पुनर्वचन की परिभाषा लिखिए और
उसके नियमों को स्पष्ट कीजिए। - 1.25

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SYLLABUS

For Value Added Course

ECONOMICS

Paper-I

Cooperative Agriculture and Milk Product

Course Code:- ECO/VAC: 101

Module 1 (10 Lecture)

Concept & ideology of Cooperation, its Values & Principles, History of Cooperative Movement in India, Different Sectors of Cooperative Movement & their Organisational Structure. Problems & Challenges Before Cooperative Movement and Strategies to overcome them.

Module 2 (10 Lecture)

Application of different processes of Management of Cooperative Sector in Agriculture Production, Human Resource Management, Marketing & Finance

Module 3 (10 Lecture)

Application of different processes of Management of Cooperative Sector in milk Production Human Resource Management, Marketing & Finance



Semester- Third

Course Title- Health Wellness and Yoga

Course Code- VAC		Course Type- Value Addition Course
Credit- 2		Hours- 30
Marks-		
UNIT-I Hours-15	Introduction to Yoga and Yogic Practices, Its origin, history and development. Principles of Yoga and practices of healthy living. Concept and principles of Sukshma Vyayama, Sthula Vyayama, Surya Namaskara and their significance in Yoga Sadhana. Concept and principles of Pranayama: Meaning, Definition, Types and their significance in Yoga Sadhana. Dhyana and its significance in health and well being.	
UNIT -II Hours-15	General introduction to human body and nine major systems of human body. Concept of Dinacharya and Ritucharya and their importance in well being. Importance of Ahara, Nidra and Brahmacharya in well being. Health benefits of Suryanamaskara, Shatkarma, Asana, Pranayama and practices leading to Dhyana. Knowledge of common diseases; their prevention and management by Yoga. Concept of stress and Yogic management of stress and its consequences.	

1. Bhogal, R. S. : Yoga & Mental Health and beyond, ACE Enterprises, Madhu Rajnagar, Pune Road, Pune, 2010.
2. Gore M. M. : Anatomy and Physiology of Yogic Practices, Kanchana Prakashana, Lonavala, 2004
3. Basavaraddi I. V. and Pathak, : Hathayoga ke Adhar avam Prayoga, (Sanskrit-Hindi), S. P. MDNIY, New Delhi, 2007
4. Quality Council of India (QCI) : Yoga professionals Official Guidebook for Level 2, Excel Books, New Delhi 2016
5. Goyanka, Harikrishandass : Yoga Darshan, Geeta Press, Gorakhpur .





YOGA PRACTICE IN COLLEGE CAMPUS

Outcome: The Language courses helped the students to enhance their reading-writing skills. Various skill enhancement and value added courses helped the students to bridge the industry gap and enhance their career prospective. Also Students where benefited from Life Skill activities like Yoga and acquire ways to deal with environmental problems and sustainable development.

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