



MUGBERIA GANGADHAR MAHAVIDYALAYA

P.O.—BHUPATINAGAR, Dist.—PURBA MEDINIPUR, PIN.—721425, WEST BENGAL, INDIA

NAAC Re-Accredited B+Level Govt. aided College

CPE (Under UGC XII Plan) & NCTE Approved Institutions

DBT Star College Scheme Award Recipient

E-mail : mugberia_college@rediffmail.com // www.mugberiangangadharmahavidyalaya.ac.in

Course Start Date: 15th July 2019

Timings: 1.00 Pm onwards

Course Fees: Nil

Kindly register yourself to get the benefit of this COURSE with latest version and upgraded features of Income Tax.

Certificates will also be provided to all the Participants.

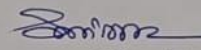
NOTICE – 08-07-2019

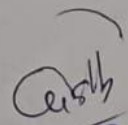
Dear students kindly note,

Income Tax Practical classes start regularly from Monday - 15th July, 2019. You have to reported ours within 13th July.2019.

TIMINGS FOR THE COURSE WILL BE FROM 1 PM TO 3 PM




08-07-2019
Principal
Mugberia Gangadhar Mahavidyalaya


08/07/19
H.O.D.
Department of Commerce
Mugberia Gangadhar Mahavidyalaya

Career Oriented Programme in Income Tax and Goods & Service Tax Practice

Syllabus on Income Tax

- * Introduction to Income Tax,
- * Residential Status of an Assesses,
- * Various Heads of Income including Salary, Income under the head House Property, Profit & Gains from Business and Profession, Income from Capital Gains & other Sources,
- * Income Tax, Set off and carry forward of losses,
- * Return Filing under Income Tax, Filing online Application for PAN,
- * E-Filing of Income Tax return,
- * Introduction to Income Tax portal and credit statements
- * Concept of TDS,
- * Computation and Payment of TDS, Generating TDS Challans and Filing of TDS Returns.

- * Income Tax computation
- * Training Students how to file Income Tax Return Training Students how to file E TDS return online
- * Permanent Account No
- * application and its procedure
- * E TDS Return filing Practical Training
- * Income Tax return filing techniques
- * How to compute Income Tax on Salary Income.
- * How to prepare Form 16 online and manual How to fill up Form 49A , 49B
- * Preparation of Challan 281 and 280 manual and computerized both
- * Income Tax Assessment procedure and handling Income Tax cases
- * Income Tax notice and Scrutiny Cases under section 143
- * Form 3CD Tax Audit procedure and laws practical training

COURSE OUTCOMES

- ❖ Understand the fundamental principles and concepts of GST, including its purpose, scope, and structure.
- ❖ Demonstrate knowledge of GST laws, regulations, and compliance requirements applicable to businesses.
- ❖ Analyze the impact of GST on various sectors of the economy, including manufacturing, services, and distribution.
- ❖ Interpret and apply GST rates, exemptions, and thresholds to different types of goods and services.
- ❖ Calculate GST liabilities accurately for both input and output tax transactions.
- ❖ Understand the concept of Input Tax Credit (ITC) and apply it effectively to reduce tax liabilities.
- ❖ Evaluate the implications of GST on pricing strategies, profit margins, and overall business operations.
- ❖ Demonstrate proficiency in GST accounting procedures, including invoice issuance, record-keeping, and filing returns.
- ❖ Identify and resolve GST-related issues and challenges faced by businesses, such as transitional provisions and anti-profiteering measures.
- ❖ Analyze case studies and real-world scenarios to apply GST concepts and principles in practical situations.
- ❖ Stay updated on changes and amendments to GST laws and regulations, and adapt strategies accordingly.
- ❖ Communicate effectively about GST matters with stakeholders including clients, colleagues, and regulatory authorities.




Principal 06.03.24
Mugberia Gangadhar Mahavidyalaya



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Notice

Date: 26/07/2019

Dear Students,

Do you wish to Scale up your Professional Careers to the heights of Success and become Self Reliant by mastering the skill of Business Management?

If yes, then this is the right platform to get enrolled for Management Certification Course.

The Department of Commerce of Mugberia Gangadhar Mahavidyalaya, is Conducting Certificate course Business Management Practical Training for all students of Commerce.

Course Duration - 30+ Hour

Syllabus of Business Management

1.E – Commerce

50 Marks

a) Taxation

25 Marks

Income Tax

- Computation of Taxable Income and Income tax for different Assesses.
- Income tax Planning for Salaried Employees.
- Filling of Income Tax Return Form ITR1, ITR2, ITR3, ITR4.

Sales Tax

- Filling of Goods and Service Tax forms GSTR1, GSTR3B, GSTR9 ETC.
- Filling of P.Tax Return Forms

b) Accounting:

25 Marks

Tally 9.2 Recording of Accounting transactions in Financial Accounting software

- Cash Transactions, Sales, Purchase etc.
- Final Account Preparation
- Interpretation of Accounting Data.



[Signature]

26.07.2019

Principal

Mugberia Gangadhar Mahavidyalaya

Syllabus of Business Management (For Career Oriented Programme)

1. E-Commerce 100 Marks
 - a) Taxation 25 Marks
 - Income Tax
 - Computation of Taxable Income and Income Tax for different Assesseees.
 - Income Tax Planning for salaried employees.
 - Filling of Income Tax Return Forms – ITR 1, ITR 2, ITR 4, ITR 4S
 - Sales Tax
 - Filing of Sales Tax forms – Form 1, Form 14, Form 15. P.Tax
 - Filing of P.Tax Return Forms.
 - b) Accounting 25Marks
 - Tally 9.2 Recording of Accounting transactions in Financial Accounting Software
 - Cash Transactions, Sales, Purchase etc.
 - Final Account Preparation
 - Interpretation of Accounting Data.
2. **Management Principles** 25 Marks
 - Nature of Management – Definition and characteristics of Management, Management Vs Administration, Scope of Management, Management, Management as a profession, Principles of Management, Universality of Management, Functions of Management, Levels of Management
 - Motivation – Contents and Theories of Motivation, Morale and Productivity.
 - Functions of Leaders and Leadership styles.
3. Building Communication Skills and Personality Development 25 Marks
 - Group discussion, Practice to Face Assessing Officers of Income Tax, Sales Tax etc. Practice of face Interview. Drafting – Notice, Circulars, Minute Resolution, Report, Letter writing – Letter of offer, Quotations, Order confirmation, execution, refusal and cancellation of order, status enquiry, recommendation and credit collection, claims.

COMMUNICATIVE ENGLISH

The syllabus of communicative English for the career oriented programme of Mugberia Gangadhar Mahavidyalaya, Purba Medinipur of Vidyasagar University.

The syllabi is designed to meet the requirements and interests of learners who want to perform effectively in both personal and professional life through a practical, learner centred activity oriented, skill – based and functional approach to English in the oral as well as the written model.

Syllabus ::–

The syllabus is subject to change from time to time and flexible according to requirements.

Section–A : Orientation

1. Notions of communication
2. Functions of communication
3. Types of communication
4. Channels of communication
5. Basic skills of communication – integration of communicated skills
6. Context, mood and purpose of communication
7. Hierarchy of communication needs
8. Principles of effective communication
9. Barriers to communication
10. Steps in developing effective communication

Section–B : Essentials of practical English phonetics

(Specially designed for perfect pronunciation)

[Only practical aspects of the core concepts of English phonetics, no theoretical discussion – both receptive and productive practice with the aid of cassettes / CDs]

1. Consonants.
2. Vowels – monophthongs, diphthongs and triphthong
3. Syllable
4. Word-stress



MUGBERIA GANGADHAR MAHAVIDYALAYA

ESTD.—1964

P. O. BHUPATINAGAR □ Dist.—PURBA MEDINIPUR

S. T. D. Code—03220 ☎ Ph. No.—270236, Pin.—721425 (W. B.)

Ref. No.—M. G. M. / /

Dated Feb 18, 2020

From : The Principal / Secretary,

Notice

The Mugberia Gangadhar Mahavidyalaya takes an immense pleasure to inform all the students of the college that the College is going to start a **UGC Sponsored Certificate Course on Communicative English** class so that our students can enrich themselves with the knowledge and can enhance their skills of communicating in English which in future can help them to move a step ahead in their academic career and do better in their professional life as well.

The class is going to be held from February 25, 2020 till April 20, 2020.

Hence, all the students who are interested in this course can enroll themselves by paying **Rs. 50/-** only to the Co-ordinator / Principal of the College.

For further enquiries, you are requested to consult Miss Pinki Kumari of Tourism & Hotel Management.

Pinki Kumari

Pinki Kumari

Co-ordinator (9432495290)

Dept. of Tourism & Hotel Management

Swapan Kumar Misra 18-02-2020

Swapan Kumar Misra

Principal (9002275816)

Mugberia Gangadhar Mahavidyalaya

Principal

Mugberia Gangadhar Mahavidyalaya

COURSE LEARNING OUTCOME

Knowledge: The course aims to meet the requirements and interests of learners who want to perform effectively in both personal and professional life through a practical, learner centred activity oriented, skill - based and functional approach to English in the oral as well as the written model.

Competence: Students should become competent in communicating in English properly using correct pronunciations with no grammatical mistakes.

CERTIFICATE OF PARTICIPATION:

The participants will be provided Certificates on successful completion of the course. It is mandatory for all participants to attend all the classes.

REGISTRATION FEE: Rs. 50.00 (Fifty rupees Only)

VENUE: Google Meet Platform .

Course specific outcome: Develop the confidence to communicate in English.

Curriculum approved by: Dr. Swapan Kumar Misra, Principal, Mugberia Gangadhar Mahavidyalaya.

Syllabus of “Communicative English”

The syllabus is subject to change from time to time and flexible according to requirements.

Section - A: Orientation

1. Notions of communication
2. Functions of communication.
3. Types of communication.
4. Channels of communication.
5. Basic skills of communication - integration of communicated skills.
6. Context, mood and purpose of communication.
7. Hierarchy of communication needs.
8. Principles of effective communication.
9. Barriers to communication.
10. Steps in developing effective communication.

Section-B: Essentials of practical English phonetics.

(Specially designed for perfect communication)

[Only practical aspects of the core concepts of English phonetics, no theoretical discussion - both receptive and productive practice with the aid of cassettes / CDs]

1. Consonants
2. Vowels - monophthongs, diphthongs and triphthong.
3. Syllable
4. Word- Stress
5. Sentence - Stress
6. Intonation.
7. Strong and weak forms
8. Features of connected speech - Assimilation and Elision.
9. Problematic areas of Indian speakers of English and their remedial measures.

Section - C: Conversational skills

This section is aimed at developing the () conversational skills by exposing them to a variety of 'functions' most common to professional contexts. It focuses on the use of formulaic expressions and structure/set patterns needed for performing various functions. The functions relate to several sets of categories like socializing, presenting, negotiating, persuading, telephoning, imparting and seeking factual information, expressing and finding out emotional reactions, moral attitudes, intellectual attitudes, etc. These functions will, in turn, be related to more challenging communicative situations/context.

Section - D: Professional communication skills (oral)

(Focus on preparation and structure, use of language techniques)

1. Presentation skills in public speaking.
2. Conference techniques.
3. Interview skills.
4. Group discussion.

Section - E: Reading skills

1. Practice in efficient reading skills.
2. Special reading situations - scanning and skimming, critical reading, Drawing inferences, reading technical report.

Section - F: Writing Skills

[Focus on format and structure, coherence]

1. Paragraph writing.
2. Descriptions.
3. Summarizing & Abstracting.
4. Note - Making
5. Report writing.
6. Correspondence Techniques.
7. Messages through Fax & E-mail
8. Filling up forms.
9. Curriculum vitae.
10. Notices, Agenda, minutes.
11. Circulars.
12. Advertisements.

Section - G: Use of English Grammar

1. Sentence - different types, Nuclear & Extra - Nuclear components, Structural patterns.
2. Major word classes - Form classes & Function classes.
3. Parts of speech - acute classification.
4. Verbs - classification.
5. Tense.
6. Question - tag.
7. Infinitive & Gerund (with detailed classification).
8. Passive structure (with proper conception of 'object' , 'complement and adjunct')
9. Concord.
10. Conditionals.
11. Discourse organizers.
12. Foreign Expressions in common use.

Evaluation Procedure:

Ongoing assessment
Mid-term assessment
Speaking
Listening
Reading and writing

N. B. - The syllabi is designed for the career oriented programme, meant for the students of the under graduate section, Vidyasagar University with an aim to use English for effective communication.

NOTICE



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Ref. No.: MGM/Cer./65/2019-2020

Date: 25/11/2019

NOTICE

This is to notify that UGC sponsored Yoga (Men & Women) certificate course is scheduled to be held on and from 6th December, 2019 at 1.00 p.m. at college campus. Interested students are requested to register their name at the Department of Physical Education on or before 3rd December, 2019.



S. Singh 25.11.2019
Principal

Mugberia Gangadhar Mahavidyalaya

Principal
Mugberia Gangadhar Mahavidyalaya

INTRODUCTION

Yoga studies are an insight of practices of mind and body through different kinds of body postures also known as Asanas in Yoga, meditation and breathing techniques. Yoga has become an important part of almost everyone's daily schedule to maintain good physical as well as mental health, flexibility, endurance, and peace of mind.

- Yoga Courses are a study of Asanas, their benefits, mindfulness, meditation, introspection, healthcare, proper nutrition, etc.
- In Yoga courses, students are introduced to various aspects of Yoga such as Diet and Nutrition, Yoga for different age groups, Yoga for maternity, Asanas, spiritual energy and the list goes on.
- Students can pursue Yoga courses at Certification, Bachelor's, Master's, Ph.D., and Diploma levels of study.
- Some popular Yoga courses are, namely, Certificate in Yoga Education (CYEd), BA in Yoga, MA in Yoga, Diploma in Yoga, etc.

Objectives of the Course

Yoga is a meditative process of self-discovery and liberation. It is a diverse collection of practices that aims to control the mind, recognize a detached witness consciousness, and free oneself from the cycle of birth and death. It teaches us to see ourselves clearly, to understand what is true about whom we are, and to let go of anything that does not serve us. It helps us to become aware of our thoughts, feelings, and beliefs, and to change them when they no longer serve us. It gives us the tools to make better choices in life, and to live more fully.

Yoga is a practice that allows us to transform and purify our bodies, minds, and souls. It expands our consciousness to help us connect with nature and the universe around us. It also gives us greater access to inner resources to teach us about self-awareness, acceptance, compassion, patience, gratitude, forgiveness, humility, love, peace, and joy.

🚩 **NUMBER OF PARTICIPANTS: 26**

🚩 **NUMBER OF MALE PARTICIPANTS: 07**

🚩 **NUMBER OF FEMALE PARTICIPANTS: 19**

🚩 **NAME OF THE YOGA TEACHER: MRS. UMA BHUNIA**

SYLLABUS

Paper-III	Pranayama : Anulom - Vilom, Shitali, Shitkari,	5
(A)	Ujjayi, Bhramari, Bhraman Pranayam and Western Pranayam	
(B)	Dhauli : Agnisara Dhauti, Vaman Dhauti, Barisara Dhauti	5
(C)	Neti : Jala Neti, Sutra Neti	5
(D)	Mudras : Ashwini-Mudra, Mahaved-Mudra, Yoga-Mudra Uddian-Bandh-Mudra, Viparitarani-Mudra, Maha- Mudra, Mula-Bandh-Mudra, Shaktichalani-Mudra, Hasta- Mudra & Pada-Mudra	5
(E)	Vasti-Kriya : Sahaja Vasti Kriya, Snan Vidhi & Upavasa Vilhi	5
Paper-IV	Asanas Related to different ailments with special reference to Hypo kinetic Diseases – Workbook.	25

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- * Various Heads of Income including Salary, Income under the head House Property, Profit & Gains from Business and Profession, Income from Capital Gains & other Sources,
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- * E-Filing of Income Tax return,
- * Introduction to Income Tax portal and credit statements
- * Concept of TDS,
- * Computation and Payment of TDS, Generating TDS Challans and Filing of TDS Returns.

4

- * Income Tax computation
- * Training Students how to file Income Tax Return Training Students how to file E TDS return online
- * Permanent Account No
- * application and its procedure
- * E TDS Return filing Practical Training
- * Income Tax return filing techniques
- * How to compute Income Tax on Salary Income.
- * How to prepare Form 16 online and manual How to fill up Form 49A, 49B
- * Preparation of Challan 281 and 280 manual and computerized both
- * Income Tax Assessment procedure and handling Income Tax cases
- * Income Tax notice and Scrutiny Cases under section 143
- * Form 3CD Tax Audit procedure and laws practical training

Syllabus on Goods & Service Tax Practice

- What is GST: - Goods and Service Tax indirect Tax for the whole India
- Overview of Goods & Service Tax, Registration under GST (Regular and Composition),
- Meaning & Scope of Supply, Time of Supply, Value of Supply, Tax Rate structure, invoicing under GST regime, Input Credit Mechanism Return under GST (GSTRI, GSTR2, GSTR3 and so on), Payment of Taxes, Consequences of non – compliance and Compliance Rating, Transition to GST,
- E-commerce and ISD, Audit and Appeals in GST, GSTIN and GSP.
- GST Administration
- GST Registration Process
- GST Payment
- GST Returns

5

The activities may take place on an individual or group basis, and may be face to face or at a distance (including helpline and web-based services). They include career information provision (in print, ICT-based and other forms), assessment and self-assessment tools, counsellings interviews, career education programmes (to help individuals develop their self-awareness, opportunity awareness, and career management skills), taster programmes (to sample options before choosing them), work search programmes, and transition services.

In view of those Mugberia Gangadhar Mahavidyalaya intended to offer Career Oriented Programme [COP] to the students with the help of financial support from University Grant Commission, New Delhi, India. And offering four COP programmes viz. (i) Yoga Therapy Course (ii) Income and Goods & Service Tax Practice, (iii) Business Management and (iv) Communicative English (v) Foundation Course on Human Rights (vi) Certificate Course on Uses of Vermi Compost in Agriculture.

We hope the students from rural background as well as economically backward will be benefited to place themselves in self employment programme for their lively-hood.

Syllabus for Certificate Course in Yoga Therapy

Total Marks = 200	Periods = 200
Theoretical = 75	Periods = 75
Practical = 125	Periods = 125

THEORY

Paper	Content	Marks
Paper-I	Yoga – Its maning and application : Meaning of the Terms, Aims and objectives of Yoga. Types of Yoga - Austanga Yoga, Yoga as Therapy, Yoga and Human Values.	75
	Psychological aspects of Yoga : Yoga and mental Health. Characteristics of mental health. Mental abnormalities. Role of Yoga in promoting mental health.	

2

Human body (Anatomical & physiological aspect) :
Brief description of the systems of human body. Effect of Yogic practices on various systems of human body. Postural deviations and remedies through Yogic practice.

Diet and components of food :
Principles of diet. Diet and nutrition – balance diet. Role of diet and management of diseases.

Stress and its management through Yoga.
Meaning and science of stress and tension. Psycho - physical aspects of tension. Stress related disease and role of Yogic practices in stress management.

PRACTICAL

Paper	Content	Marks-50
Paper-II	Asanas - Compulsory (Cultural, Meditative & Curative)	
	Ardha Chakrasana	Ardha Matsyendrasana
	Ardha Kurmasana	Bhujangasana
	Chakrasana	Dhanurasana
	Gomukhasana	Halasana
	Janushirasana	Kurmasana
	Makarasana	Matsyasana
	Padahasthasana	Padmasana
	Paschimotthanasana	Pawanmuktasana
	Sarvangasana	Shasngasana
	Shalabhasana	Shasngasana
	Shirasana	Shyanpaschimotthanasana
	Supravajrasana	Trikonasana
	Ustrasana	Vadrasana
	Vajrasana	

Paper-II	Asanas-Optional (any two from each group)	25
Groups	A	B
	Akarnadharunasana	Kumbhirsana
	Parvatasana	Sankatasana
	Singhasana	Kurmasana
		C
		Kukutasana
		Uthitpadmasana
		Uthitakurmasana

3



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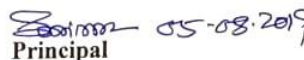
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From—The Principal / Secretary,

Date: 5/08/2019

NOTICE

It is a great pleasure to inform that Department of Tourism and Hotel Management are going to organize a Diploma course in Tourism and Hotel Management to be held on and from 10th August 2019. All the interested students are informed to enrol their name at Department of Tourism and Hotel Management.



Principal

Mugberia Gangadhar Mahavidyalaya

Principal

Mugberia Gangadhar Mahavidyalaya

Syllabus of Diploma in Tourism & Hotel Management

[6 months Theory class + 6 months Training]

FIRST SEMESTER

Sl. No	Paper Code	Subjects	Topic	Credit Points
1	THM-101	TOURISM-I	<ul style="list-style-type: none"> • Introduction to tourism industry • Tour Operators • Tourism Products 	2 2 2
2	THM-102	FOOD PRODUCTION & PATISSERIE-I	<ul style="list-style-type: none"> • Introduction to Professional Cookery • Standard of Professionalism • Kitchen Organization • Foundation of Continental Cookery 	2 2 2 3
3	THM-103	FOOD & BEVERAGE SERVICE-I	<ul style="list-style-type: none"> • Introduction to the Hotel Industry • Attributes of a waiter; personal hygiene • Departmental Organization • Restaurant Organization • Restaurant Service 	2 2 3 2 2
4	THM-104	FRONT OFFICE OPERATION-I	<ul style="list-style-type: none"> • Classifications of hotels. • Types of Rooms • Organization of Hotels • Functional Staff organization of 	3 3 2 3

			front office	
5	THM-105	ACCOMMODATION OPERATIONS-I	<ul style="list-style-type: none"> • Role of House keeping in the hotel • Function of Housekeeping Department • Types of room • Organizational structure of Housekeeping Department. • Duties & Responsibilities. 	2 4 3 1 2
6	THM-106	ENGLISH COMMUNICATION-I	<ul style="list-style-type: none"> • English Grammar • Group Discussion • Audio Visual Presentation 	3 3 4

SECOND SEMESTER

Sl. No.	Paper Code	Subjects	Topic	Credit Points
1	THM-107	INDUSTRIAL TRAINING	<ul style="list-style-type: none"> • Five months Industrial training 	4



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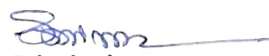
Ref. No.—M.G.M. / /

Date.....

From—The Principal / Secretary,

NOTICE

All the students of Dept of Nutrition are hereby informed that our college is organizing Certificate Course on A UGC approved skill development certificate course on **“Use Of Vermicomposting in Agriculture (Carrier Oriented Programmed)”** from **20th March 2019, – 15th January, 2020** through offline mode. The course will be delivered by lecture; Vermicompost helps in improving soil texture, aeration and increases water retention capacity. Vermicompost acts as a soil conditioner and improves the biological, physical and chemical properties of the soil. Admission for the aforementioned course is started. The course will be conduct for UG 6th Sem. Course access fee for the student is decided as Rs.200/- Interested candidates are informed to enroll with Moumita Samanta Programmed **In-charge of “Use Of Vermicomposting in Agriculture (Carrier Oriented Programmed)”**


Principal, 10.03.2019

Dr. Swapan Kumar Misra

Mugberia Gangadhar Mahavidyalaya

Principal
Mugberia Gangadhar Mahavidyalaya



Dept. of Nutrition
Mugberia Gangadhar Mahavidyalaya

“Use Of Vermicomposting in Agriculture (Carrier Oriented Programmed)”

Syllabus for Certificate Course (6 months)

On
‘Uses of Vermi Compost in Agriculture’
(Build Your Career Save your Country)

INTRODUCTION

Since the inception of agriculture to the mid of 1960s, the agriculture process used by the Indian farmers in this subcontinent has been recognized by the Government of India. The agricultural process is Organic agricultural process, now criticizes of mainstream agriculture regarding the increasing use of chemical fertilizers and pesticides.

During 1960s Green Revolution has been started in Indian agriculture with the objectives of intensive use of High Yielding Variety of seeds (HYVS), chemical fertilizers, pesticides and more water based farming technologies accelerated by the government, researchers and experts and gave bumper increase in agriculture production in the initial age. No doubt it elevated agricultural development dramatically and the outcome exhibited manifold increase in production and productivity. But the excessive use of chemical fertilizers, more water and pesticides, the cruel side of story has been evolved. It could be felt very clearly that the results of the green revolution can not be assured in the long run.

21

Chemicals are accumulated gradually inside the soil and deteriorate its health. Agricultural scientist, planners and agriculture economist are worried about the slow growth rate of agricultural production in recent years. To meet the global challenges of feeding ever escalating human population, conserving the environment and reducing poverty, it is necessary to increase the yield of crops per unit area per unit time without hampering the ecological balance.

Excessive use of chemical fertilizers in agricultural land causes large number of environmental problems. When it is applied inadequate, rates of productivity and quality are cause significant losses. In this background, use of organic manure such as vermicompost may improve quality of agricultural products. Vermicomposting is the process of producing compost through the action earthworm. It is an eco-biotechnological process that transforms energy-rich and complex organic substances into stabilized humus-like product vermicompost. Preparation of vermicompost is an efficient as well as easily adoptable technique of compost preparation. This composting technique can not only decompose a huge amount of organic waste but also help to maintain higher nutrient status in composted materials.

Vermicomposting technology using earthworms as versatile natural bioreactors for effective recycling of organic wastes to the soil, is and environmentally acceptable means of converting waste into nutritious compost for crop production. Moreover, by processing of garbage, this technology converts the problem into a resource and provides good manure which can be enhanced quality of the soil.

In view of the above, an approach has been made in the proposed experimentally to entirely supplement the chemical fertilizer with the use of vermicompost for improving the productivity of crop.

22

Period Marks

1. Vermiculture Agriculture		
a) Project Planning	25	50
b) Farming System		
c) Multipurpose system		
d) Organic farming		
2. Raw materials for vermi compost characteristic	25	30
3. Process of vermi compost preparation	15	40
4. Particulars of Earthworm life-history etc.	15	30
* Field Practical for identification by field work	20	100
N. B. - 100 period including theory & Practical		

2nd Term Exam for 3 months

Theory	150 Marks
Period	100
Marks	100

Syllabus - The syllabus is subject to change from time to time and flexible (Vermiculture) according to requirement.

Period Marks

8. Vermi House and pit prepared	25	50
9. Utilization of vermi compost	25	50
10. Business process	10	20
11. Awareness for students about vermi comp	20	30
12. Save the soil save the life		
13. Green house system for better production	20	100
N. B. - 100 periods including theory and Practical.		

23

Part A:- Agricultural Science

1) **Land**:- Return of the Native Save Mother and Rural environment for Social work, Career building etc.

2) **Agriculture** -

- 2.1) Project Planning, Soil management, classification of soil
- 2.2) Farming System, Planning etc.
- 2.3) Multipurpose Shem or Project Plantation, C. C
- 2.4) Organic farming, and fertilizer system. Seed Selection
- 2.5) Seed treatment by Vermi wash or by Organic medicine.
- 2.6) Plant Pathology.
- 2.7) **ANTOMOLOGY** - Insect of pest control.
- 2.8) Crop cutting & collection etc.

3) **Planning of Horticulture** :

- 3.1) Plot Selection, Farming
- 3.2) Individual gardening etc.

Part B:- Vermiculture :

- 1) Knowledge of Vermi Compost and Vermi Culture.
- 2) Importance of benefit of environment by vermi compost.
- 3) Benefit by Vermi Compost to local village-Economy.
- 4) Integrated management to the soil use by vermi compost.
- 5) Raw material for vermi compost production and Characteristic of Raw materials.
- 6) Process of vermi compost preparation.
- 7) Particulars of earth-worm or vermi life history.
- 8) Vermi House or vermi pit prepared.
- 9) Utilization of vermi compost.
- 10) Business process.





MUGBERIA GANGADHAR MAHAVIDYALAYA
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DBT Star College Scheme Award Recipient
E-mail : mugberia_college@rediffmail.com // www.mugberiangangadharmahavidyalaya.org

Ref. No.—M.G.M. / / /
From—The Principal / Secretary,

Date

Date: 04-08-2019

Department of Political Science

Notice

This is to hereby notify all the students that the dept. of, Political Science Mugberia Gangadhar Mahavidyalaya is going to organize a certificate course on “**Foundation Course on Human Rights**” from **13th August, 2019 to 30th January, 2020**. The course will be delivered by lecture, interaction and doubt clearance along with an examination on topic related to Human Rights. The course will be conduct for UG-1st and 3rd sem. Course access fee for the student is decided as Rs. 20/-. All the students of our college especially of our dept. UG- I and III semester are requested to be present and also fill up in the form for this course.

Jyoti Mitra
04.08.2019

Course coordinator
Jyoti Mitra
Dept. of Political Science

Swapan Kumar Misra
04.08.2019

Principal
Swapan Kumar Misra
Mugberia Gangadhar Mahavidyalaya

Principal
Mugberia Gangadhar Mahavidyalaya



COURSE LEARNING OUTCOME:

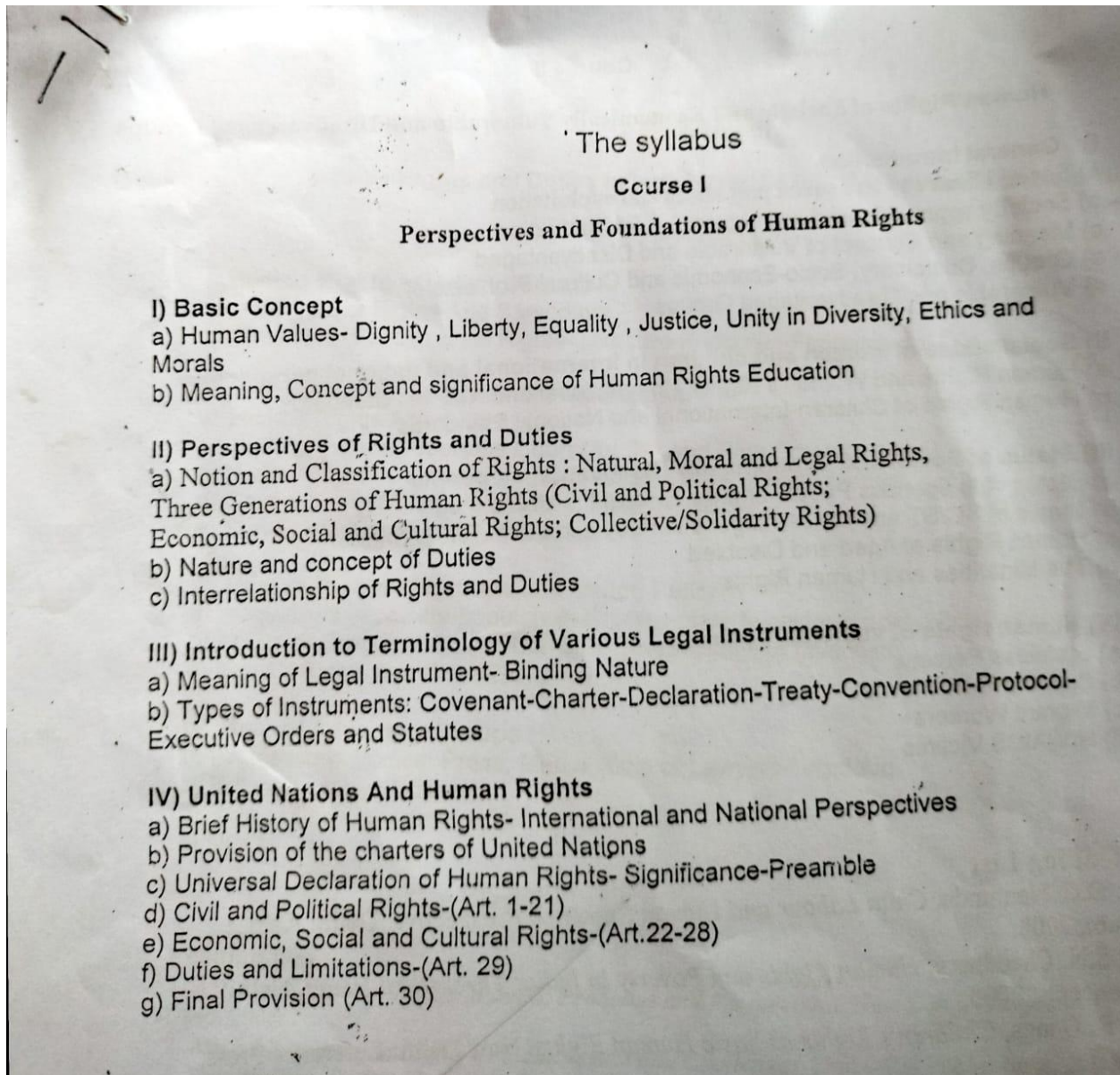
1. Understand the philosophical foundations and historical evolution of human rights concepts, including their universal applicability.
2. Analyze the international legal framework for human rights, including treaties, conventions, and declarations.
3. Identify and articulate the core principles and values underlying human rights, such as dignity, equality, and non-discrimination.
4. Recognize the different categories of human rights, including civil, political, economic, social, and cultural rights.
5. Evaluate the role of international organizations, such as the United Nations and regional bodies, in promoting and protecting human rights.
6. Examine the intersectionality of human rights with other disciplines, including law, politics, economics, and social justice.
7. Critically assess human rights violations and abuses in various contexts, including armed conflicts, authoritarian regimes, and socio-economic inequalities.
8. Understand the role of advocacy, activism, and grassroots movements in advancing human rights agendas.
9. Develop skills in researching, documenting, and reporting human rights violations and abuses.
10. Explore the challenges and complexities of implementing and enforcing human rights standards at national and international levels.
11. Analyze the impact of cultural relativism, globalization, and technological advancements on human rights discourse and practice.
12. Engage in discussions and debates on contemporary human rights issues, such as refugee rights, gender equality, indigenous rights, and environmental justice.
13. Enhance cross-cultural competency and empathy through the study of diverse perspectives and experiences related to human rights.
14. Develop ethical reasoning and decision-making skills in addressing ethical dilemmas and conflicts in human rights contexts.
15. Demonstrate a commitment to promoting human rights, social justice, and equality through personal and professional actions.

Knowledge: The course aims to give students a broad understanding of the most important issues of Human Rights. This course enables the students to learn many of obstacles in our rights. This course gives the knowledge to solve many problems in different way, especially in so many data analysis.

Competence: Students should become competent in planning, conducting, evaluating and presenting a research project.

Syllabus of “Foundation Course on Human Rights”

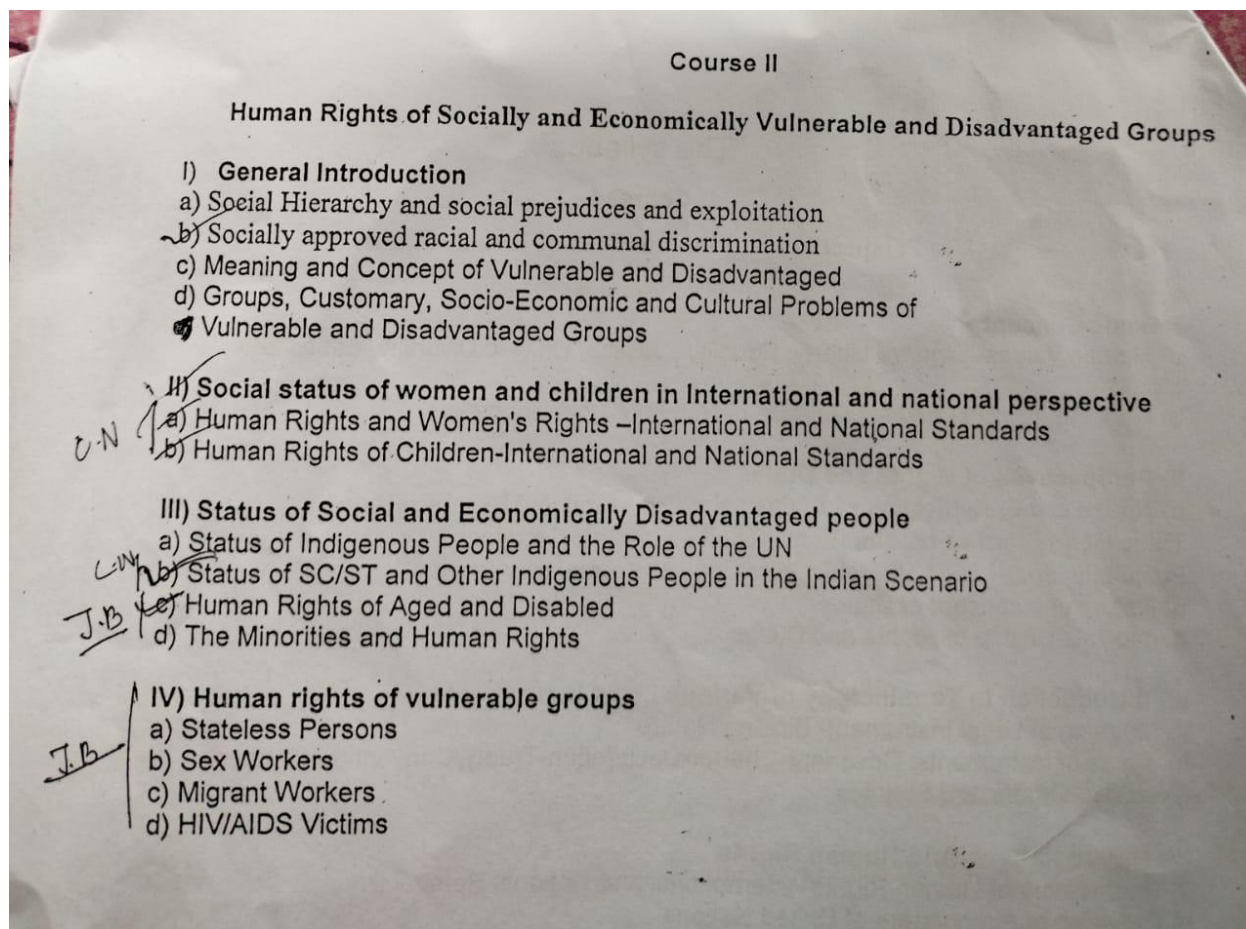
Programming in “Human Rights Foundation Course”: Basic concept on Human Rights. The “Human Rights Foundation Course”: theoretical, data types, Variables, Assignment statements, Input and output functions, conditional control statements, basic concept, law, policy, society and enforcement mechanism and ethical consideration.



References:-

1. David, Beetham, *Politics and Human Rights*, Oxford, Blackwell, 1995.
2. John, Rawls, *Law of the people*, Cambridge, Harvard University press, 2001

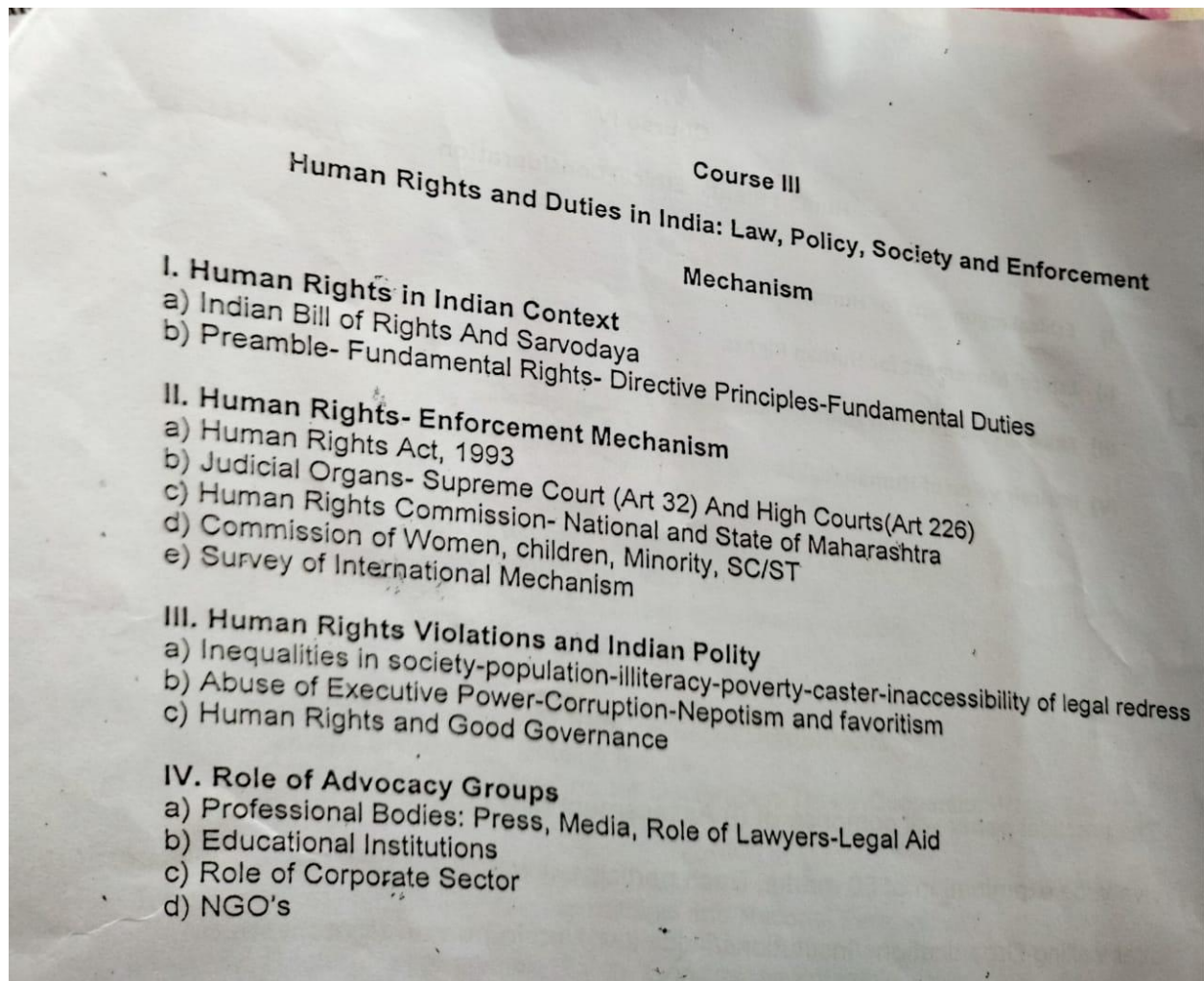
Syllabus of “Foundation Course on Human Rights”



References:-

1. D.C. Nanjunda, *Child Labour and Human Rights: A prospective*, Delhi: Kalpaz publication, 2008.
2. Saksena, Anu, *Gender and Human Rights, Status of Women workers in India*, Delhi: Shipra Publication, 2004.

Syllabus of “Foundation Course on Human Rights”



References:-

1. B.P. Sing, Human Rights in India: Problems and Perspectives, New Delhi: Deep & Deep, 2008.
2. Aftab, Alam, , Human Rights in India: Issues and Challenges, Delhi: Raj Publications, 2004.

Syllabus of "Foundation Course on Human Rights"

Course IV

✓ Human Rights: Ethical Consideration

- A.R. Khale

- I) Ethical arguments for Human Rights
- II) Ethical Movement for Human Rights
- III) ~~The moral and ethical value of Human life~~
- IV) Intrinsic value of Human Rights

oral
9

Course V

PRACTICAL PAPER

The practical paper will comprise of (i) Assessment of a project of-50 marks & (ii) One viva voce examination of 50 marks. Each participant will be required to submit a report after visiting Organizations/Institutions/fields involved in human rights issues.

Written Test

References:-

1. Michael, Freeman, *Human Rights: An Interdisciplinary Approach*, Oxford: Policy, 2002.
2. Saksena, Anu, *Gender and Human Rights, Status of Women workers in India*, Delhi: Shipra Publications, 2004.



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E-mail : mugberia_college@rediffmail.com // www.mugberiangangadharmahavidyalaya.ac.in

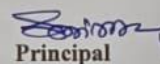
Ref. No.—M.G.M. / / /
From—The Principal / Secretary,

Date.....19/07/2019

NOTICE

All the students of Dept of Nutrition are hereby informed that our college is organizing Certificate Course on A UGC approved skill development certificate course on “**Diploma in Computer Application (DCA) & IT (Jeevan Kousal)**” from 30th July, 2019. The course will be delivered by lecture, computer lab practice, Assignment solve, interaction and doubt clearance along with the examination on topic related to “Diploma in Computer Application (DCA) & IT” held on the computer lab. Admission for the aforementioned course is started. The course will be conduct for UG Students. Course access fee for the student is decided as Rs.200/- Interested candidates are informed to enroll with Moumita Samanta Programmed In-charge of “**Diploma in Computer Application (DCA) & IT**” Course.

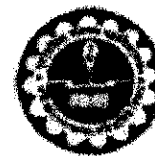


 19.07.2019
Principal

Mugberia Gangadhar Mahavidyalaya

Principal
Mugberia Gangadhar Mahavidyalaya

MUGBERIA GANGADHAR MAHAVIDYALAYA
BHUPATINAGAR-PURBA MEDINIPUR * PIN NO-721425
Email-mugberia_college@rediffmail.com
Mob- 9002275816



Course: Diploma in Computer Application (DCA)
Duration: 12 months

Objective of the Scheme

The objective of the Scheme is to generate qualified manpower in the area of Information Technology (IT) which will enable such person to work seamlessly at any Offices, whether Govt. or Private or for future entrepreneurs in the field of IT.

Course Evaluation:

Class participation - 20%

Class assignments - 30%

* Final Examination - 50%

Students having less than **95%** of class participation/attendance of a month will be considered as discontinued & No leave certificates will be entertained. Attendance will be reviewed every month. Certificate will be issued only after appearing the final examination which will be held after completion of the Course.

Numerical Scale Letter Grade

Percentage	Grade	Remarks
85 - 100%	S	All requirements completed to a high level. Significant individual initiative demonstrated in activity selection and completion.
75 – 84 %	A	All requirements completed to a high level.
65 – 74 %	B	Satisfactory, successful and respectable completion of requirements.
55 – 64 %	C	Average completion of requirements
50 – 54 %	D	Low level, below average completion requirements.
Below 50 %	F	Failure to meet objectives and complete requirements.

Eligibility: X+2 Level

Duration: 12 Months



Course Outlines

	12 Hrs
Basic Computer Concept Computer Organization Windows OS: Windows XP Vs Windows 7	
Microsoft Office 2007	30 Hrs
MS Word MS Excel MS PowerPoint	
Internet & its usage	12 Hrs
Multimedia	20 Hrs
Adobe Photoshop Adobe Page Maker	
PC Assembly & Maintenance	12 Hrs
Basic networking Concept	12 Hrs
Tally ERP 9	40 Hrs

Detailed Syllabus

1 Basic Computer Concept.

1.1 Computer Appreciation - Characteristics of Computers, Input, Output, Storage units, CPU, Computer System.

1.2 Computer Organization

Central Processing Unit - Processor Speed, Cache, Memory, RAM, ROM, Booting, Memory-Secondary Storage Devices: Floppy and Hard Disks, Optical Disks CD-ROM, DVD, Mass Storage Devices: USB thumb drive. Managing disk Partitions, File System Input

Devices - Keyboard, Mouse, Joystick, Scanner, web cam, Output Devices- Monitors, Printers - Dot matrix, inkjet, laser, Multimedia- What is Multimedia, Text, Graphics, Animation, Audio, Images, Video; Multimedia Application in Education, Entertainment, Marketing. Names of common multimedia file formats, Computer Software- Relationship between Hardware and Software; System software, Application Software, Compiler, names of some high level languages, free domain software.

Tutorial: The student is allowed to enumerate in what ways he can use the computer for his own purpose/business.

Practical: The student needs to be exposed/shown various components and supposed how to switch on a computer.

2. Introduction to Windows

2.1 What is an operating system and basics of Windows

2.2 The User Interface

1. Using Mouse and Moving Icons on the screen

2. The My Computer Icon
3. The Recycle Bin
4. Status Bar, Start and Menu & Menu-selection
5. Running an Application
6. Windows Explorer Viewing of File, Folders and Directories
7. Creating and Renaming of files and folders
8. Opening and closing of different Windows

2.3 Windows Setting

1. Control Panels
2. Wall paper and Screen Savers
3. Setting the date and Sound
4. Concept of menu Using Help

2.4 Advanced Windows

1. Using right Button of the Mouse
2. Creating Short cuts
3. Basics of Window Setup
4. Notepad
5. Window Accessories

Practical: More stress is on practical. Allow the student to freely use the computer to experience each command rather than explaining in a theory class

3. Office 2007

3.1 Word Processing

Word processing concepts: saving, closing, Opening an existing document, Selecting text, Editing text, Finding and replacing text, printing documents, Creating and Printing Merged Documents, Character and Paragraph Formatting, Page Design and Layout. Editing and Profiling Tools: Checking and correcting spellings. Handling Graphics, Creating Tables and Charts, Document Templates and Wizards.

3.2 Spreadsheet Package

Spreadsheet Concepts, Creating, Saving and Editing a Workbook, Inserting, Deleting Work Sheets, entering data in a cell / formula Copying and Moving from selected cells, handling operators in Formulae, Functions: Mathematical, Logical, statistical, text, financial, Date and

Time functions, Using Function Wizard. Formatting a Worksheet: Formatting Cells – changing data alignment, changing date, number, character or currency format, changing font, adding borders and colors, Printing worksheets, Charts and Graphs – Creating, Previewing, Modifying Charts. Integrating word processor, spread sheets, web pages.

3.3 Presentation Package

Creating, Opening and Saving Presentations, Creating the Look of Your Presentation, Working in Different Views, Working with Slides, Adding and Formatting Text, Formatting Paragraphs, Checking Spelling and Correcting Typing Mistakes, Making Notes Pages and Handouts, Drawing and Working with Objects, Adding Clip Art and other pictures, Designing Slide Shows, Running and Controlling a Slide Show, Printing Presentations.

4. Internet usage.

WWW and Web Browsers: Web Browsing software, Surfing the Internet, Chatting on Internet, Basic of electronic mail, Using Emails, Document handling, Network definition, Common terminologies: LAN, WAN, Node, Host, Workstation, bandwidth, Network Components: Servers, Clients, Communication Media.

5. Multimedia:



5.1 Photoshop

- i. Introduction
Photoshop Interface, Raster graphics & Vector graphics, Image formats, Operations on image
- ii. Manipulation of Image
The Marquee tool, the Lasso tool, Magic Wand tool, Inverting Selection, Layers, Brush tool, Eraser tool, Fill tool, Blur tool, Smudge tool, Sharpen tool, Dodge tool, Sponge tool, Darken tool
- iii. Transformation & Retouching
Free transform, scaling, rotation, skew, perspective, wrap, distort, crop, image size, canvas size, clone stamp tool, healing brush tool, patch tool, red eye tool, history brush tool
- iv. Color Correction
Color swatch, image modes, color adjustments, color selection
- v. Text
The Text tool, editing text, formatting, line & spacing, wrap text, text effects
- vi. Effects
Blending modes, styles, filters, liquefy, vanishing point
- vii. Drawing
The pen tool, drawing shapes, managing paths, converting path to selection.

5.2 PageMaker :

Unit 1: PageMaker Basics Starting PageMaker, about the work area, using the toolbox, working with palettes, viewing pages, working with text and graphics, moving between pages, adding and deleting pages, working with multiple open publications.

Unit 2: Constructing a publication Creating and opening publication, naming and saving a publication, closing a publication, setting up pages, changing document setup options, setting up rulers, creating running headers and footers.

Unit 3: Drawing tools and text tools Different drawing tools, text tools, character formatting, paragraph formatting, controlling windows and orphans, controlling page breaks, tabs and hyphenation, grid manager, printing a document.

Unit 4: Importing Graphics Placing graphics, sizing and cropping graphics, OLE, Embedding an OLE object

Unit 5: Master Pages Creating a master page, numbering pages, setting up ruler guides, applying master page design.

Unit 6: Utilities Using a table editor, create keyline, bullets and numbering, creating PDF file with acrobat, story editor, spell checker.

6. PC Assembly and Maintenance.

- i. Introduction to PC Hardware:
Study of basic I/O systems, Types of Memories- Static RAM and Dynamic RAM, ROM, PROM, EPROM, EEPROM, CPU (Central Processing Unit)- ALU and control unit.
- ii. Motherboard and Processor:

Study of different types of Motherboards, Motherboard Configuration, Identifying Internal and External connectors, Types of data cables, Types of Processor- Intel Pentium IV, Dual core, Core 2 Duo, Quad processor etc.,

- iii. BIOS Configuration:
Study of BIOS Set-up- Advance set-up, Boot configuration, Boot Menu.
- iv. Installation of OS (Operating Software)
Windows XP, installation of different types of Service Packs, Vista and Windows-7 etc.
- v. Hard Disk:
Formatting of Hard disk, Partitioning of Hard disk in different logical drives, Disk defragmentation, Disk clean up, Scan disk etc.,
- vi. Installation of Device Drivers:
Different types of Motherboard drivers, LAN, Audio, and Video.
- vii. Configuration of External devices:
Physical set-up of Printers- Performing test print out, Printing of document etc, Scanner set-up, Webcam, Bluetooth device, Memory card reader etc.
- viii. Diagnostic and troubleshooting of PC:
POST (Power on Self Test), Identifying problems by Beep codes errors, Checking power supply using Multi-meter, Replacement of components etc.
- ix. Maintenance of PC
- x. Utilities
Compression Utilities: WinZip, PKZIP, Concept of compression, Defragmenting Hard, disk using defrag, Scan Disk for checking disk space, lost files and recovery, Formatting Hard disk, Floppy Disk, Setting System Date and Time, Antivirus Package CD Writing Software – Nero etc.

7. Basic networking Concept

- i. What is Networking, Local Area Networking (LANs), Metropolitan Area Network , MAN), Wide Area Network (WAN),
- ii. Networking Topologies
- iii. Transmission media & method of communication
- iv. Cabling: straight through and cross over
- v. Study of components like switches, bridges, routers, Wi-Fi router etc.
- vi. TCP/IP, IP addressing, MAC address, Subnet
- vii. To create a Crossover cable using standard color-coding (RJ-45, UTP, Crimping tools).
- viii. To create a straight cable using standard color-coding. (RJ-45, UTP, Crimping tools)
- ix. To create a simple LAN with two PCs using a single crossover cable to connect the workstations.
- x. To create a simple LAN with two PCs using an Ethernet hub and two straight thru cables to connect the workstations.
- xi. To setup a LAN with a number of PCs using 8/16 port HUB.
- xii. To set up a WLAN (Wi-Fi) router.
- xiii. To use the ICMP Ping command (with switches) to verify the TCP/IP connection between the two workstations.
- xiv. To share and access a file/folder over a network.

8. Financial Accounting (Tally ERP 9)

❖ Basic Fundamentals

- What is Tally
- What is accounts
- Classification of accounts
- Terminology of accounting
 - Golden Rules of accounting

- General Entry
- Pre-Define Tally Group
 - Types of vouchers

❖ **Overview of Tally. ERP 9**

- Download and Install
- Create Company
- Configurations
- Basic introduction of Features
- Voucher Transaction Entry
- View Reports

❖ **Accounting (Case Study-1)**

- Financial year from 1-Apr-2022 to 31-Mar-2023
- Debit, Credit – By, To
- Voucher
- Create Ledger (Under Group)
- Create Group
- Service organization General Entry 12 Months
- Day Book ,Trail Balance
- Profit & Loss accounting, Balance Sheet
- Closing & Opening Balance
- Exercise With Solution

❖ **Accounts with Inventory (Case Study-2)**

- Financial year from 1-Apr-2022 to 31-Mar-2023
- Create - Stock Item, Stock Group, Unit of measure
- Trading organization General Entry 12 Months
- Purchase, Sales, Invoice
- Provision entry, Depreciation entry
- Adjustment entry, Closing entry
- Inventory Reports, Stock Summary
- Export & Printing
- Closing & Opening Balance
- Exercise With Solution

❖ **Inventory Management with GST (Case Study-3)**

- Financial year from 1-Apr-2022 to 31-Mar-2023
- Taxation System GST
- SGST, CGST, IGST
- Create - Godowns
- Create - Stock Item, Stock Group, Unit of measure
- Create - Cost Category, Cost Centre
- Trading organization General Entry 12 Months
- Discounts, Interest
- Purchase returns, Sales Returns
- Credit Note, Debit Note – Voucher
- Inventory Reports, Stock Summary, Tax Report
- Closing & Opening Balance
- Exercise With Solution

Advance Level

- Service Organization With GST
- Manufacturing with GST
- Payroll Management
- Under Processing.....



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E-mail : mugberia_college@rediffmail.com // www.mugberiangangadharmahavidyalaya.ac.in

Date: 02.08.2019

NOTICE

All the students of Dept. of Nutrition are hereby informed that our college is started **“UGC approved Diploma in Soil Management by Vermi Composting”** from **8th August, 2019**. The course will be delivered by lecture; Vermicompost helps in improving soil texture, aeration and increases water retention capacity. Vermicompost acts as a soil conditioner and improves the biological, physical and chemical properties of the soil. Admission for the aforementioned course is started. The course will be conduct for UG students. Course access fee for the student is decided as Rs.200/- Interested candidates are informed to enroll with Moumita Samanta, Department of Nutrition Programmed **In-charge of “UGC approved Diploma in Soil Management by Vermi Composting”**.



[Signature] 02.08.2019
Principal,

Mugberia Gangadhar Mahavidyalaya

Principal
Mugberia Gangadhar Mahavidyalaya

Diploma in Soil Management by Vermicomposting

SYLLABUS

THEORY 12 Credits 1 Credit = 12 Hrs. 12 X 12 = 144 Hrs UNIT

UNIT - I Vermicomposting: Introduction and Scope Objectives of Vermicomposting –

Waste management, soil detoxification and regeneration and sustainable agriculture. Role of earth worm in solid waste management. Vermicomposting for mitigating & managing environmental pollution.

UNIT - 2 Earthworm Biology

Morphology & Classification of Earth worms. Reproduction & Life Cycle Important features to identify the species of earthworms. Bouch's Classification Epigeic, Endogeic, Anecics Diversity of Earthworms Species of Earth worms used in Vermiculture Life history of Earthworms (Earthworm Species *Eisenia foetida*) Biology of *Eisenia foetida*. Physiology and Reproduction of Lumbricidae. Biology of *Eudrilus eugeniae*. Taxonomy Anatomy, Physiology and Reproduction of Eudrilidae.

UNIT – 3 Predators & Pests of Earthworms

Frequent problems of Vermiculture. How to prevent and fix them. Enemies of Earthworms. Pests of Vermiculture Control of predators, pests & diseases in Vermiculture

UNIT - 4 Vermicomposting Methodology

Preparation of Vermibed, Different types of Vermibeds Maintenance & Monitoring of Vermibeds - Maintenance of favourable conditions in the Vermibed Preparation of feed & Managing Vermicomposting Unit. Precautions for compost making Harvesting & Packing of Vermicompost Vermiwash preparation, Collection, Composition & Use

UNIT- 5 Economical aspects of Vermicomposting

Nutritional Composition of Vermicompost for plants, Factors determining nutritional quality of vermicompost, comparison with other fertilizers on plant growth & productivity Role of vermicompost in soil fertility, Role of vermicompost bacteria in biomedical waste management, Role of vermicompost in plant growth promotion, Role of vermicompost in plant disease management, Role of vermicompost in arthropod pest control, Influence of Earthworm activity on soil microbes

UNIT- 6 Vermicomposting & Organic Farming

Role of vermicomposting in agricultural waste management. Organic Farming: Concepts and principles of organic farming. The Agronomic, Social, Economic and Environmental

Significance of Organic Farming. Significant Properties of Vermicompost & its Agricultural Values - Key indicators of sustainable agriculture, organic farming

UNIT 7 Environmental Awareness & Value Education

Practicals/ Skill Content

18 Credits 18x12 = 226

Features to identify different types of earthworms

Study of Systematic position, habits, habitat & external characters of *Eisenia foetida*

Collection & study of Life stages & development of *Eisenia foetida* Collection & study of Life stages & development of *Eudrilus eugeniae*

Comparison of morphology & life stages of *Eisenia foetida* & *Eudrilus eugeniae*

Study of Vermiculture, Vermiwash & Vermicompost equipments, devices

Preparation Vermibeds, maintenance of vermicompost & climatic conditions.

Harvesting, packaging, transport and storage of Vermicompost and separation

Study the effects of vermicompost & vermiwash on any two short duration crop plants

The working experience with Earthworm populations and their role in making manure Setting vermicompost units in different areas in the campus Identify appropriate site and prepare bed for vermicomposting

Establishment of vermicomposting unit Pit method Establishment of vermicomposting unit Bed method Inoculate earthworms in prepared unit and manage vermicomposting Establishment of Vermiwash unit Study of Cocoon and Vermicast Study of Pests and diseases of Earthworms Identify maturity of vermicompost and harvest using approved procedures Monitoring of compost units Vermicompost production, harvesting and packaging.

Maintain health & safety at the workplace

Field Visits Collection of native earthworms & their identification

Visit to the Vermiculture centres to study the functioning

Visit the vermicomposting unit to understand more on vermicompost – harvest, drying and packing Activity: Submission of a report after preparing a vermiculture unit & Report of visiting a vermicomposting unit.


References

1. Text Book of Vermicompost, Vermiwash & Biopesticides; Dr. Keshav Singh, Astral International Publications
2. Vermitechnology; M. Seethalekshmi & R. Santhi, Saras Publications
3. Earthworms for Solid Waste Management; Sathyendra M. Singh, Ibdchb publishers
4. The Earthworm Book, Sultan Ahamed Ismail, Orient Longman, Hyderabad.
5. The Book Hand Book of Biofertilizers & Vermiculture Publisher: Engineers India Research Institute
6. Handbook of Organic Farming and Organic Foods with Vermicomposting Neem Publisher: Engineers India Research Institute
7. Text Book of Applied Zoology: Vermiculture, Apiculture, Sericulture, Lac Culture, Agricultural Pests and their Controls: Pradip Jabde Publisher: Discovery Publishing House

COURSE OUTCOMES

- ❖ Gain comprehensive knowledge of the principles, processes, and benefits of vermicomposting in sustainable agriculture practices.
- ❖ Develop proficiency in setting up and managing vermicomposting systems, including selection of suitable earthworm species and substrate materials.
- ❖ Understand the biological and chemical mechanisms involved in the decomposition of organic matter by earthworms and microorganisms.
- ❖ Learn to assess the nutritional value and quality of vermicompost as an organic fertilizer and soil amendment for crop production.
- ❖ Acquire skills in monitoring and optimizing environmental conditions (e.g., moisture, temperature, pH) to maximize vermicompost production and quality.
- ❖ Explore various techniques for harvesting, processing, and storing vermicompost effectively while minimizing nutrient loss and contamination.
- ❖ Understand the potential environmental benefits of vermicomposting, such as reducing greenhouse gas emissions and mitigating soil erosion.
- ❖ Analyze the economic viability and market opportunities associated with vermicompost production and commercialization in agriculture.
- ❖ Develop practical skills through hands-on training and fieldwork in vermicompost production, application, and field trials.
- ❖ Demonstrate readiness for employment or entrepreneurship opportunities in the agricultural sector, particularly in organic farming, soil conservation, and waste management, with a specialization in vermicomposting.




Principal 06.03.24
Mugberia Gangadhar Mahavidyalaya