

Programme/Class: UG		Semester: I/II/III/IV	
SKILL DEVELOPMENT COURSE			
Course Code:		Course Title: Fundamental of Computer	
Course Designed by Dr. Prem Yadav, Dr. Madhu Tiwari, Dr Ram Naresh Yadav, Dr Sushil Kumar and Dr Deepak Verma, N.S. P.S. Govt. P. G. College, Magaraha, Mirzapur-221306, U.P.			
Course Objective The course aims to: 1. Provide fundamental knowledge of computers, their components, and applications. 2. Develop essential computer literacy skills for day-to-day academic, professional, and personal use. 3. Familiarize learners with operating systems, file management, and basic software tools. 4. Enhance skills in word processing, spreadsheets, and presentations. 5. Introduce safe and effective use of the internet, email, and digital communication. 6. Build confidence in handling computers for higher studies, workplace efficiency, and entrepreneurship.			
Learning Outcomes On successful completion of the course, learners will be able to: 1. Identify basic components of computer hardware and software. 2. Operate a computer system and manage files/folders efficiently. 3. Use word processing software to create, format, and edit documents. 4. Apply spreadsheet tools for data entry, analysis, and basic calculations. 5. Design simple presentations with text, images, and animations. 6. Browse the internet, use search engines, and access online resources effectively. 7. Communicate using email and online collaboration tools. 8. Practice safe computing, including antivirus use, password security, and data backup. 9. Apply computer skills in academic, professional, and entrepreneurial activities.			
Credit: 03 (Theory- 02, Practical- 01)		Max. Marks: 25+75	
Unit	Topics	Lectures (Hours)	
		Theory	Practical
1	Basic Knowledge of Computer: Components of a Computer System, Central Processing Unit (CPU), Storage Devices, Input/output devices, Concepts of Hardware and Software, Memory, RAM, ROM	4	1
2	Operating System and Word Processing: Types and Function of Operating System, User Interface (windows, Linux), Using Mouse, using right, common icons, status bar, creating and renaming the files and folders, Creating shortcuts	6	2
3	Fundamental Knowledge of Microsoft Excel: Introduction of Microsoft Excel, interface and basic operations, Understand filling and cell manipulation techniques. Work with formulas, Sorting and filtering, Create and customize tables, Create and customize various chart types (Bar, Column, Pie, Line), practices Excel functions (AND, AVERAGE, COUNT, IF, SUM, etc.)	6	3
4	Power Point Presentation: Basic of Presentation Software, Preparation & Presentation, of sliders, Slide Shows, Printout of presentation, importing text from word documents, Slide Designs, Slide Manipulation	6	3
5	Communication Skill: Basic of Electronic Mail, Create Email Account, Sending and Receiving Mails, Accessing Sent Mails, Online Storage and Gmail Drive	4	3
6	Internet and Cyber Security: Application of internet, World Wide Web (WWW); Web Browsers, Search Engines; Understanding URL, Antivirus, Firewalls, Cyber Crimes, Hacking, Use of safely Debit and Credits Cards.	4	3
Total hours		30	15
Suggested Readings 1. Computer Fundamentals (I-IV Edition) by Pradeep Kumar Sinha and Priti Sinha. 2. Computer Science Student Book by David Waller, Pearson Publication. 3. Fundamentals of Computers by E Balagurusamy.			
Suggested Evaluation: Continuous Internal Evaluation for 25 marks will be based on allotted assignment and Class Test and quiz.			
Course Pre-requisites: To study this course, a student must have passed XII.			
This course can be opted as Skill by the students of subjects: Open for all			







MUSHROOM CULTIVATION TECHNOLOGY

Programme/Class : B.A./B.Com./B.Sc.		Year: First/Second	Semester: I/II/III/IV
Subject: Botany			
Course Code:		Course Title: Mushroom Cultivation Technology	
Course outcomes: The course is designed to develop the skill in mushroom production so that students can opt it for Start-up and Agri-preneurship.			
Credits: 3		Skill Development	
Max. Marks: 25 + 75 (Internal Assessment: 25, Theory Paper: 50, Practical/Field Work: 25)		Min. Passing Marks:	
Total No. of Lectures-Tutorials-Practical (in hours per week): 2-0-2			
Unit	Topic		No. of Lectures
I	Introduction to Mushroom Cultivation: - History and scope of mushroom cultivation. - Overview of mushroom biology - Systematic position, occurrence, vegetative characters and life cycle. - Prospects and potential of mushroom farming as a business.		4
II	Economically and Industrially Important Mushrooms: - Mushrooms as alternative food source. - Therapeutic aspects - antitumour effects, health benefits and nutraceutical values. - Description of some edible varieties of mushrooms viz. - Button Mushroom (<i>Agaricus bisporous</i>), Oyster mushroom (<i>Pleurotus ostreatus</i>), Paddy straw mushroom (<i>Volvariella volvacea</i>), Lacquered bracket (<i>Ganoderma lucidum</i>), Milky mushroom (<i>Calocybe indica</i>); Shiitake Mushroom (<i>Lentinula edodes</i>).		7
III	Principal of Mushroom Cultivation: - Design, construction and establishment of Mushroom House. - Learning about different types of substrates (e.g. straw, compost, sawdust), sterilization of substrate. - Spawn production - Culture media preparation, preparation of mother spawn, production of planting spawn, Storage/Transportation of spawn, Criteria for selection of good quality spawn. - Cultivation of button mushroom and Paddy straw mushroom.		7
IV	Business Module of Mushrooms: - Analyzing the current market trends and growth potential of mushroom farming. - Scope of Mushroom Business - Identifying opportunities for expansion and diversification in the mushroom industry. - Scale of Production - Small-scale (home-based/backyard farming), Medium-scale (shed or room cultivation), Large-scale (commercial farms with climate control)		7

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	○ Cost Structure - Fixed costs (land, shed, equipment). Variable costs (substrate, spawn, labour, electricity, packaging, etc.). ○ Revenue Model - Selling fresh mushrooms (local markets, supermarkets, hotels, restaurants). Selling dried mushrooms and its value-added products (powder, pickles, soup mixes)	
V	Disease and Pest Management in Cultivated Mushrooms: ○ Recent advances in crop management of mushrooms. ○ Major diseases of cultivated mushrooms - Dry bubble and wet bubble. ○ Major insect pests - Mushroom flies, nematodes, mites.	4
VI	Field Work/ Practical Work and Hands-on Training: ○ Sterilisation and sanitation of mushroom house, instruments and substrate. ○ Preparation of mother culture, media preparation, inoculation, incubation and spawn production. ○ Cultivation of White Button Mushroom (<i>Agaricus bisporous</i>), and Oyster mushroom (<i>Pleurotus ostreatus</i>). ○ Visit to low-tech and hi-tech mushroom farms and preparation of Field Note Book.	16

Suggestive Readings:

1. Biswas, S., Datta, M. and Ngachan, S.V. 2012. Mushrooms: A Manual for Cultivation. PHI Learning Private Limited, New Delhi.
2. Chang Shu-Ting and Miles Philip G. 2004. Mushrooms: Cultivation, Nutritional Value, Medicinal Effect and Environmental Impact. CRC Press, New York
3. Kapoor, J.N. 2010. Mushroom Cultivation. ICAR, New Delhi.
4. Nita Bahl (2000) Hand book of Mushrooms. Oxford & IBH Publishing Co. Pvt. Ltd.
5. Ram R. C. 2007 Mushrooms and Their Cultivation Techniques, Avishkar Publishers, Distributors.
6. Singh, M., Vijay, B., Kamal, S. and Wakchaure G.C. (Eds.) 2011. Mushrooms: Cultivation, Marketing and Consumption. Directorate of Mushroom Research (ICAR), Solan.
7. Tewari, Pankaj and Kapoor, S.C. 1988. Mushroom cultivation. Mittal Publications, Delhi.

This course can be opted as Skill by the students of following subjects: Open for all

Suggested Continuous Evaluation Methods: Continuous internal evaluation shall be based on allotted assignment and class test. The distribution of marks shall be as follows:

Internal assessment	Marks
Class interaction	5
Quiz	10
Project/Dissertation report	10

Course prerequisite: To study this course, a student must have 10+2

Prepared by: Dr. Om Kishor Singh

Handwritten signatures and initials:

Skill Development - Elective Course (3 Credits, Six Months) [45 Hours]

Title: Food Preservation [Max. Marks: 25+75]

Course Designed by Dr. Pallavi Mishra, Assistant Professor, Department of Home Science, N. S. P. S. Govt. P. G. College, Magaraha, Mirzapur-221306, UP

Programme/ Class-B. A. /B. Sc. /B. Com.- Sem I, II, III and IV

1. Introduction

Food preservation is a cornerstone of food security, household management, and the global food industry. In India, with its diverse agricultural base and high rates of post-harvest losses, effective preservation is both a practical necessity and a potential avenue for entrepreneurship. This course provides undergraduate students with a holistic understanding of preservation methods, i.e., from traditional practices passed down generations to modern, scientific innovations. It emphasizes not only the techniques but also their impact on food safety, nutrition, sustainability, and value addition.

The course is designed as a skill-oriented elective, aligning with national priorities of reducing food wastage, promoting entrepreneurship, and empowering students with life skills that have personal, community, and commercial applications.

2. Learning Outcomes

At the end of this course, students will be able to:

1. **Explain** the causes of food spoilage and the principles underlying preservation.
2. **Differentiate** between traditional, natural, and modern preservation methods, evaluating their merits and limitations.
3. **Demonstrate proficiency** in household- and small-scale-preservation techniques (drying, pickling, fermentation, canning, refrigeration, etc.).
4. **Assess** the nutritional, sensory, and safety outcomes of various preservation techniques.
5. **Design and prepare** preserved food products with attention to hygiene, packaging, labelling, and shelf-life.
6. **Critically apply** regulatory standards (FSSAI guidelines, food safety laws) to preservation practices.

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7. **Develop entrepreneurial insights** for small business opportunities in food preservation and value-added products.
8. **Adopt sustainable practices** in food preservation, reducing wastage and promoting eco-friendly alternatives.

3. Evaluation Component (100 Marks)

- **Continuous Internal Assessment (25%)**
 - Practical Assignments & Demonstrations
 - Group Project/Presentation (e.g., "Designing a Preservation-Based Business Model" or "Preparing a Shelf-Stable Preserved Product")
- **End-Semester Examination (75%)**
 - Theory-based Written Examination (50% Practical + 25% Written exam of end-semester marks)
 - Credit : (Theory- 02, Practical- 01)
 - Contact Hours: Theory-30 Hours, Practical- 30 Hours

4. Course Curriculum

Unit I: Fundamentals of Food Preservation (L:)

- Concept of food preservation and its socio-economic importance.
- Causes of spoilage: microbial growth, enzymatic activity, insect/pest damage, environmental factors.
- Intro to lab equipment's and packaging.

Unit II: Traditional Household Preservation Techniques (L+P: +)

- Drying and dehydration (sun drying, solar dryers, oven drying). Papad, chips, moong Badi, masala
- Pickling: principles of salt, sugar, vinegar; regional varieties in India.
- Fermentation: probiotics, functional foods, and their health benefits.
- Preservation in oils and spices; smoke curing of meat/fish.
- **Practical Demonstrations:** Drying of fruits/vegetables, pickling of seasonal produce, preparation of curd/fermented beverages.

Unit III: Modern Preservation Technologies (L+ P: +)

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- Refrigeration and freezing: principles, methods, equipment.
- Heat-based methods: pasteurization, sterilization, canning, bottling.
- Cold sterilization: irradiation, high-pressure processing.
- Controlled and modified atmosphere packaging (CAP/MAP).
- Role of preservatives: chemical (benzoates, sorbates), natural (herbs, extracts, essential oils).
- **Practical Demonstrations:** Canning of jam/jelly, freezing leafy vegetables, vacuum-sealing food items by chemical Preservative (Tomato Ketchup, Fruit Squashes).

Unit IV: Nutrition, Safety, and Quality Control (L:)

- Effect of preservation on macronutrients, vitamins, and antioxidants.
- Foodborne pathogens and spoilage organisms: prevention strategies.
- HACCP (Hazard Analysis and Critical Control Points) principles.
- Shelf-life estimation and sensory evaluation of preserved foods.

Unit V: Preservation, Entrepreneurship, and Policy (L+P: +)

- Value-added preserved foods: jams, pickles, chutneys, dehydrated snacks, frozen foods.
- Packaging materials: glass, plastic, biodegradable alternatives.
- Labelling requirements under FSSAI.
- Business prospects: establishing small-scale food ventures, cooperative models, women-led enterprises.
- Government schemes and support for food processing start-ups.
- **Group Project:** Create a business proposal for a small-scale preserved food enterprise.

Unit VI: Practical Component (P:)

- Field visits to:
 - Local food-processing industries.
 - Cold storage units.
 - FSSAI-approved laboratories.
- Mini-Projects:
 - Documentation of a traditional preservation method practiced locally.

- Cost analysis and marketing strategy for a preserved product made by students.

5. Suggested Additional Reading

1. Fellows, P.J. (2022). *Food Processing Technology: Principles and Practice*. Woodhead Publishing.
2. Potter, N.N. & Hotchkiss, J.H. *Food Science*. Springer.
3. Desrosier, N.W. *The Technology of Food Preservation*. AVI Publishing.
4. Rahman, M.S. (Ed.). *Handbook of Food Preservation*. CRC Press.
5. Ranganna, S. *Handbook of Analysis and Quality Control for Fruit and Vegetable Products*. Tata McGraw Hill.
6. Government of India. *FSSAI Manuals and Food Safety Regulations* (latest edition).
7. Selected research articles and case studies on sustainable preservation practices, consumer trends, and food entrepreneurship in India.

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Skill Development Curriculum

Statistical Analysis through SPSS

Credit - 03

Max. Marks = (25+75)

Unit I:

Data inputs: Entering data in Excel. Creating new variables, recoding variable, renaming variables.

Unit II:

SPSS Environment, entering data in SPSS, Data Preparation, Data Transformation and representation of data. Descriptive Statistics (measures of central tendency, variability, skewness and kurtosis).

Unit III:

Inferential Statistics-Parametric test: Test for Normality, t-test for single mean, t-test for difference between means, paired t-test.

Unit IV:

Analysis of Variance (One-way & Two-way), correlation coefficient, Linear Regression

No. of Credit: 3

Weekly Classes: 2 Theory + 2 Practical (30+30) hours

References

1. Morgan G A: SPSS for Introductory Statistics: Uses and Interpretation.
2. Robert H. Carver: Data Analysis with SPSS (Version 16).
3. Kiran Pandya, Smruti Bulsari and Sanjay Sinha: SPSS in Simple Steps.

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Social Work

B.A I Sem

Skill Development

Credit -03 /

M.M. 75 + 25*

Passing Marks - 30 +10

Voluntary Action and NGO Management

Course Objectives:

- I. To understand the concept and historical evolution of voluntary action in India.
- II. To understand the concept, characteristics and types of voluntary organizations/NGOs.
- III. To acquire skills of registration, management of NGOs and writing proposals

Unit-I

Historical Review of voluntary action in India: voluntary action in the 19th century, British period, the early post-independence period. Structure of voluntary action, nature and concept of voluntary action, rationale behind voluntary action, dimensions of voluntary action, motivation and inspiration for voluntary work.

Unit-II

Non-Governmental Organizations (NGOs): Meaning, characteristics, types and objectives- relief, charity, developmental activism for mainstreaming of women, s/c and s/t - mobilization, lobbying, collaboration and networking. **Classification of organizations:** Non-Governmental Developmental Organization (NGDO), Voluntary Organization (VO), Voluntary Agency (VA), International Non-Governmental Organization (INGO), Business oriented

* Project Work / Viva-Voce / Field Report.

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International Non-Governmental Organization (INGO), Business oriented International Nongovernmental Organization (BINGO), Religious International Non-Governmental Organization (RINGO), Government Operated Non-Governmental Organization (GONGO), Environmental Non-Governmental Organization (ENGO), Quasi-autonomous Non-Governmental Organization (QUANGO).

Unit-III

Management of NGOs: Objectives of association, understanding an organization, Registration as a legal form, memorandum of Association, By-Laws, Registration process and renewal by Registrar, Powers of Registrar, duties and rights of members, Management Committee, Election and other provisions under (section 20) of SR Act 1860. NGOs relation with administration, Documents of NGO, Acts and provisions: Societies Registration Act 1860. Indian Trust Act 1882. The Indian Companies Act 1956 (Section 25), Trade Union Act 1926. Registration on Darpan portal, 12 A, 80 G., F.C.R.A.

Unit-IV

Project Proposal writing for resource mobilizing: local community resources, Government resources, national and international sources, Resource Utilization, Capital budgeting, income and expenditure statements, accounts and book banks, bank reconciliation statement, inventory, cash and receivable management. Taxation and Assessment of Trust and Society. Transparency and credibility building (social audit) Vouching and verification of accounts.

Unit-V

Project work/Internship/Field work (Non Lecture Mode) -Understanding grass roots issues and grass roots actions being taken by community based organizations (CBOs), writing of reports, identification of gaps in implementation, generation of ideas and collaboration with local leaders and administration. Presentation of reports in writing and/or in audio-visual modes.

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प्रथम सेमेस्टर

विषय (Subject) : हिन्दी (वोकेशनल) (Vocational Hindi)

COURSE CODE:

VH-01-U

COURSE TITTE:

व्यावसायिक हिन्दी लेखन - I

Course outcomes:

इस प्रश्नपत्र में हिन्दी के विविध रूप, जनसंचार माध्यम और विशेष लेखन (स्वरूप और प्रकार) के मन्दर्भ में छात्र / छात्राओं को जानकारी दी जायेगी।

CREDITS: 3

MAX. MARKS:

25+75

MIN. PASSING MARKS:

10+30

Total No. of Lectures – Tutorials-Practical (in hours per week): 3-0-0 or 2-1-0 Etc.

Unit	Topic	No. of Lecturs
I	संचार : - परिभाषा और व्याप्ति, - स्रोत, - एनकोडिंग, - संदेश, - माध्यम, - प्राप्तकर्ता, - फीडबैक और - शोर। - संचार प्रक्रिया मॉडल	15
II	संचार के प्रकार एवं उद्देश्य : संचार के प्रकार - शैली के आधार पर - सांकेतिक या अमौखिक संचार - मौखिक संचार - लिखित संचार - श्रवण संचार - दृष्टिगत संचार पहुँच के आधार पर - अन्तः वैयक्तिक संचार - अन्तर वैयक्तिक संचार - समूह संचार - जनसंचार	15

अध्यक्ष

हिन्दी तथा आधुनिक भारतीय भाषा विभाग
महाराष्ट्र की कृषि विद्यापीठ
रायगढ़

संचार के उद्देश्य
जनसंचार के उद्देश्य

- सूचना देना
- शिक्षित करना
- मनोरंजन करना
- एजेंडा तय करना
- निगरानी करना
- विचार-विमर्श मंच

III

जनसंचार के माध्यम और विधाएँ

15

- समाचार
- पत्रकारिता
- द्वारपाल एवं सम्पादन

जनसंचार के प्रमुख माध्यम

- समाचार-पत्र
- पत्रिका
- रेडियो
- टेलीविजन
- सकारात्मक पहलू
- नकारात्मक पहलू
- इंटरनेट

जनसंचार की विधाएँ

- सिनेमा
- सोशल मीडिया

पाठ्य पुस्तक : जनसंचार माध्यम और विशेष लेखन,
लेखक : प्रो० निरंजन सहाय,
प्रकाशन : लोक भारती प्रकाशन, प्रयागराज, उत्तर प्रदेश।

सेशनल अथवा सत्राध्यय परीक्षा (प्रायोगिक कार्य) :

प्रायोगिक एवं मौखिकी : अंक 25

कक्षा में अध्यापक द्वारा छात्र/छात्राओं से विचार-विमर्श के उपरान्त पाठ्य साहित्यिक विधाओं पर प्रायोगिक कार्य निर्दिष्ट किया जायेगा।

सहायक ग्रन्थ :

अभिव्यक्ति और माध्यम, एन०सी०ई०आर०टी० नई दिल्ली।

अध्यक्ष

हिन्दी तथा आधुनिक भारतीय भाषा विभाग

महाराष्ट्र राष्ट्रीय विद्यापीठ

पुणे

अध्यक्ष
प्रमुख
सहायक

This course can be opted as an Vocational by the students of following subjects:

इंटरमीडीएट अथवा समकक्ष परीक्षा उत्तीर्ण कर चुके समस्त विद्यार्थी इस पाठ्यक्रम का चयन कर सकते हैं।

Suggested Continuous Evaluation Methods:

लिखित परीक्षा , परियोजना कार्य, दक्षता परीक्षण ।

Suggested Continuous Evaluation Methods:

1. समाचार प्रेषण के विविध माध्यम : समाचार पत्र, रेडियो, टेलिविजन, सोशल मीडिया और फिल्म विशेष के संदेश पर परियोजना कार्य ।
2. वाचन
3. अन्य माध्यम

Course prerequisites: To study this course, a student must have had the subject in class/12th/ certificate/diploma.

सभी के लिए (सामान्य हिन्दी भाषा का ज्ञान अपेक्षित)

अध्यक्ष
हिन्दी तथा आधुनिक भारतीय भाषा विभाग
महात्मा गाँधी क्रांती विद्यापीठ

AKM

Dr. Ar. Bha

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माँ विन्ध्यवासिनी विश्वविद्यालय, मीरजापुर

Maa Vindhyavasini University, Mirzapur

Website: <http://mvvu.ac.in>

e-mail : reg.mvvu@gmail.com

B.A. I Year, Semester **IA**

Skill Development Course

Paper: Data Analytics

Credit: 03

Total Marks: 100 (25+75) Pass Mark: 40

Lecture: 3 lecture/hour per week

Course Outcomes

Introduction to Data Analytics course will give students insights into applying data and analytics principles in the social science research. Students will gain an understanding of the complete different large unit-level data sets such as, National Sample Survey (NSS), Periodic Labour Force Surveys (PLFS), Annual Survey of Industry (ASI), India Human Development Survey (IHDS), and National Family Health Survey (NFHS). Through various social science specific examples and case studies, students will learn how analytics, data visualization, and data science methodologies can be used to drive better social science research.

Syllabus

1. **Data Analytics Overview:** Introduction of large unit-level data sets such as, National Sample Survey (NSS), Periodic Labour Force Surveys (PLFS), Annual Survey of Industry (ASI), India Human Development Survey (IHDS), and National Family Health Survey (NFHS). Explanation of how to access these data sets and data extraction of unit-level data.

Number of Lecture: 10

2. **Dealing with Different Types of Data:** Estimation of different social science indicators such as, Poverty, Workforce Participation Rate (WFPR), Labourforce Participation Rate (LFPR), Unemployment Rate (UR) from Consumption Expenditure Survey, Employment & Unemployment Survey, and Periodic Labour Force Surveys. An analysis of division of organized & unorganized sector and formal & informal workers from Periodic Labour Force Surveys.

Number of Lecture: 15

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3. **Analytics Framework and Latest Trends:** Introduction of Annual Survey of Industry (ASI) database. Uses of deflators (Wholesale Price Index & Consumer Price Index) and National Industry Classification (NIC). Number of Lecture: 15

4. **Practical Analysis:** Some case studies task will be given to students based on above data sets. Number of Lecture: 05

Study Materials

1. **Ministry of Statistics and Programme Implementation (MosPI)**
<http://mospi.nic.in/download-tables-data>
2. **National Data Archive**
<http://microdata.gov.in/nada43/index.php/catalog/central/about>
3. **Indian Council of Social Science Research Data Service (ICSSR)**
<http://www.icssrdataservice.in/>
4. **National Family Health Survey (NFHS)**
<https://dhsprogram.com/methodology/survey/survey-display-355.cfm>
5. **India Human Development Survey (IHDS)**
<https://ihds.umd.edu/>
6. NCEUS (National Commission for Enterprises in the Unorganised Sector) (2008) Report on Definitional and Statistical Issues Relating to the Informal Economy. New Delhi: Government of India, October.
7. NCEUS (National Commission for Enterprises in the Unorganised Sector) (2007), Conditions of Work and Promotion of Livelihood in the Unorganised Sector, National Commission for Enterprises in the Unorganised Sector, Government of India, New Delhi.
8. NSC (National Statistical Commission, Government of India) (2012). *Report of the Committee on Unorganised Sector Statistics*. February.
9. Srivastava, Ravi S. and Ajaya Kumar Naik (2015) "Growth and Informality in the Indian Economy" in K. P. Kannan, R. P. Mamgain and Preet Rustagi (eds.) *Development from the Perspective of Labour: Essays in honour of Prof. T. S. Papola*. New Delhi: Academic Foundation.

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Skill Development (Zoology) Max Marks: 25+75

Credits: 03

Course Title: Beekeeping as a Sustainable Livelihood

Undergraduate course: First year (..... II Semester)

Course Instructors:

- **Dr. Deepak Verma**, Assistant Professor, Dept. of Zoology, Narottam Singh Padam Singh Govt. Post Graduate College
- **Dr. Prem Yadav**, Assistant Professor, Dept. of Chemistry, Narottam Singh Padam Singh Govt. Post Graduate College
- **Dr. Ram Naresh Yadav**, Assistant Professor, Dept. of Commerce, Narottam Singh Padam Singh Govt. Post Graduate College

Course Objectives:

1. Understand the fundamentals of beekeeping and honeybee biology.
2. Acquire practical skills in handling and managing bee colonies.
3. Extract, process, and market bee products (honey, wax, etc.).
4. Identify and manage common pests and diseases affecting bees.
5. Explore the potential of beekeeping as a sustainable income-generating activity.

Learning outcome:

By the end of this course, learners will acquire comprehensive knowledge and practical skills in modern beekeeping and apiary management. They will understand honeybee biology, hive setup, seasonal colony care, honey extraction, and the production of other bee-based products. Learners will also be equipped to identify and manage common pests and diseases affecting bee colonies. The course emphasizes sustainable practices and the economic potential of beekeeping as a livelihood. Participants will be capable of starting and managing their own apiary, ensuring both environmental benefit and income generation, particularly in rural and agri-based communities.

Syllabus

Unit	Title	No of Lecture
I	Introduction to Beekeeping • Importance of beekeeping in agriculture and rural development	12

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	• Types of bees and their characteristics (<i>Apis dorsata</i>, <i>Apis mellifera</i>, etc.) • Pollination and ecological significance • Anatomy and life cycle of honeybees	
II	Equipment and Apiary Management • Beehive types (Langstroth, Top-bar, Traditional) • Tools and protective gear (smoker, hive tool, bee suit) • Seasonal management of colonies • Honey flow season and honey extraction methods • Other bee products: beeswax, royal jelly, pollen, propolis	12
III	Colony Management and Manipulation • Swarming, supersedure, and colony division • Feeding practices and artificial queen rearing • Hive inspection and record-keeping	6
IV	Pests, Diseases, and Their Management • Common enemies: wax moth, varroa mite, ants, wasps • Bacterial and viral diseases • Preventive and curative measures (IPM practices)	9
V	Marketing and advertisement of Bee's Product • Market analysis, Definition of Marketing • Branding and Promotional Strategies • Digital Marketing • Understanding consumer behaviour	6

Internal assessment on the basis of Practical work, quiz and field work.

References:

1. Mishra, G. C. (2002). *Beekeeping in India* (3rd ed.). Indian Council of Agricultural Research (ICAR).
2. Mishra, R. C. (1995). *Modern beekeeping: Apiculture*. Indian Council of Agricultural Research (ICAR).
3. ICAR – Central Bee Research and Training Institute. (n.d.). *Training manuals and publications on beekeeping*. <https://cbtri.icar.gov.in>
4. National Bee Board. (n.d.). *Scientific beekeeping guidelines* [Brochures & manuals]. Ministry of Agriculture & Farmers Welfare, Government of India. <http://nbb.gov.in>
5. NABARD. (n.d.). *Model bankable project on beekeeping*. National Bank for Agriculture and Rural Development. <https://www.nabard.org>
6. Krishi Vigyan Kendra (KVK). (n.d.). *Beekeeping training modules and manuals*. Various regional KVKs under ICAR

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Textile & Handloom Science : Vocational Course

Course Title- Introduction to Handloom Science

Credits – 03

Max. Marks = (25+75)

No. of Lectures- 45

Unit	Topic	No. of Lectures
I	Definition of Textile & Terminology Classification of Textile fiber General properties of Natural (Cotton, Wool Silk) & Man-made Fibers(Viscose, Nylon, Polyester) Introduction to Handloom Development & Importance of Handloom Evolution of parts of Loom, Warp, Weft, Heald, Reed, Beam, Lease Rod, Shuttle, Sley, Treadle, Slay Race, Weavers Beam, Cloth Beam, What is fabric, Interlacement technique of warp and weft, Different arrangement of loom parts, passage of warp on the loom.	15
II	Fabric its design and planning, Use of graph paper in fabric designing, Use of different counts of graph paper Creation of Draft and Peg plan from Design and vice-versa creation of Tie-up plan Basic standard Weaves i.e., plain weave and its derivatives, ornamentation of plain cloth. Light & color phenomena, Basics of color-Primary, Secondary & complementary color Traditional Textile of different States of India- Banarasi Saree, Chanderi Saree, Kanchipuram Saree, Tie & Dye, Bandhani etc.	10
III	Introduction to the Textile Processing Preparation of textile material for Dyeing & Printing(Singeing, Scouring, Bleaching, Degumming of Silk) Introduction to Textile Auxiliaries & Dyes (Natural & Synthetic Dyes) Introduction to the textile Printing, Method of Printing(Block & Screen) Style of printing Textile Finishing	10
IV	Practical Work- Visual Identification of Textile fiber Importance & Function of parts of the loom with neat sketch diagram Scouring, Bleaching & dyeing of Cotton Material Field Visit – Traditional textile Weaving Area- Banarasi handloom Weaving	10

प्रमाणित
आम्र ५६ प्रतिष्ठान मन्त्रालय
मुंबई ११० ००१
२०१८

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E-Taxation

Unit-I

3 Credits
Max. marks - (25+75)

Taxation E-Taxation-Definition, Purpose, Importance and Types.

Direct Taxes-Types of Direct Taxes.

Indirect Taxes- Types of Indirect Taxes

Difference between Direct and Indirect Taxes. Tax Management, Tax Planning, Tax Evasion & Tax Avoidance.

Unit-II

Fundamental Principle of Taxation. An Evaluation of Taxation, issues related to E-Commerce

Unit-III

Table of contents about Income Tax basics in India

Relevant ITR form at the time of e-filing Income Tax

Unit-IV

e-tax payment facilitates. Payment of direct taxes online by tax payers. To avail of this facility- Net Banking/Debit Card/Credit Card Facility is required.

References:

1. Dr. Vinod Kumar Singhania : Direct Taxes Ready Reckoner - Taxman Publication
2. Taxman Publication : Digital Taxation A Holistic View
3. Nina Verma : E-Commerce- Taxation-Prospects & Challenges- Global Vision Publishing House
4. IBFD : E-Commerce and Source-Based Income Taxation
5. Flipkart : Global Perspective on E-Commerce Taxation law

11/12
विभागाध्यक्ष
वाणिज्य विभाग
मोगाँठ काशी विद्यापीठ
वाराणसी-221002

17/11/2021
Dr. Vinod Kumar Singhania

राष्ट्रीय शिक्षा नीति-2020 के आलोक में कौशल विकास पाठ्यक्रम

Max. marks = (25+75)

प्रश्न पत्र का नाम-रचनात्मक कौशल के गांधीवादी आयाम

क्रेडिट-03

45 घंटे

1.	रचनात्मक कार्यक्रम कौमी एकता, अस्पृश्यता निवारण, शराबबंदी, खादी, दूसरे ग्रामोद्योग, गांवों की सफाई, नयी या बुनियादी तालीम, बड़ों की तालीम, स्त्रियाँ, आरोग्य के नियमों की शिक्षा, प्रांतीय भाषाएं, राष्ट्रभाषा, आर्थिक समानता, किसान, मजदूर, आदिवासी, कुष्ठ रोगी और विद्यार्थी।	15
2.	श्रम एवं कार्य की महत्ता, विकेन्द्रीकरण, लघु उद्योग एवं गांधी के विचार • गांधी की शिल्प दृष्टि • गांधी की कला दृष्टि • गांधी की साहित्य दृष्टि • गांधी की सौन्दर्य दृष्टि संवाद कौशल	10
3.	संसाधनों की पहचान व उपयोग, स्थानीय सामुदायिक संसाधन, सरकारी संसाधन, राष्ट्रीय व अन्तर्राष्ट्रीय संसाधन, संसाधनों का उपयोग, आय व व्यय विवरण, ट्रस्ट व सोसाइटी का कर-निर्धारण, आडिट व सोशल आडिट	10
4.	परियोजना कार्य/व्यावहारिक कार्य- गांधीवादी संस्थाओं की पहचान, आधारभूत मुद्दों की पहचान, प्राथमिकता निर्धारण, सामुदायिक स्थानीय संगठनों का हस्तक्षेप, प्रतिवेदन आलेख, सूचना व तकनीकी माध्यमों का अनुप्रयोग	10

Akm for (a) - May 2020



e-mail : reg.mvvu@gmail.com

म.मां.का.वि.पी.०, वाराणसी

Attn: Mr. [unclear] [unclear]

New Education Policy 2020

Department of Performing Arts

MGKVP Varanasi

Vocational Course – Hindustani Classical Music (Vocal)

Paper Name : Introduction to Raag & Taal

03 Credits

(max. marks = 25+75)

1. Introduction to Swar (How to sing them Properly).
2. Basic Alankar & Palta.
3. Prescribed Ragas : Bhupali & Yaman.
Elementary Knowledge of the above Raags, One Swarmalika (Sargam Geet), Lakshangeet & Chhotakhyal in each of the above Ragas.
4. Knowledge of Following Taals:
Tritaal & Kaharva.
5. Definition & Explanation of following Musical terms:
Naad, Shruti, Swar, Sangeet, Saptak, Alankar, Thaata, Raag, Vadi, Samvadi, Anuvadi, Vivadi, Pakad, Meend, Kan, Alaap, Tan, Lay, Taal, Theka, Sam, Taali, Khali.
6. Life Sketches of Pt. V.N. Bhatkhande & Pt. V.D. Palushkar.

21/09/21

Akanksh

AKM for 1st term 50

Marketing and Salesmanship

Max. marks = (25+75)

Unit-I

3 Credits

Introduction to market and Marketing-Meaning and Definition of Market, Classification of Markets.

Marketing Concepts-Tradition and Modern, Importance of Marketing, Functions of Marketing.

Unit-II

Market Segmentation- Meaning and Definition of Market Segmentation, Importance, Limitations and Bases for Segmentation.

Marketing Mix- Meaning and Definition of Market Mix, Importance of Market Mix, Elements of Marketing Mix-Product, Price, Promotion and Place.

Unit-III

Salesmanship-Meaning and Definition of Salesmanship, Features, Scope and Utility of Salesmanship, Elements of Salesmanship.

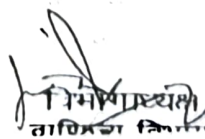
Selling Process- Stages of Selling Process and Approaches

Unit-IV

Personal Selling-Meaning and Definition, Selling as a Career, Classification of Successful Salesperson, Functions of Salesperson, Qualities of Salesperson

References:

- | | |
|------------------------------|--|
| 1. Cundiff, Still and Govani | : Basic Marketing, Concept, Decisions and Strategies |
| 2. Philip Kotler | : Marketing Management |
| 3. Philip Kotler | : Principles of Marketing |
| 4. Ramaswami and Nama Kumari | : Marketing Management |
| 5. S.C. Jain | : Viparan Prabandh |
| 6. Ajit Kumar Shukla | : Marketing Management |
| 7. Ajit Kumar Shukla | : Viparan Prabandh |
| 8. Ajit Kumar Shukla | : Services Marketing |
| 9. Tapan K. Panda | : Sales and Distribution Management |
| 10. P.K. Sahu & K.C. Raut | : Salesmanship and Sales Management |


19/12

Akshay for Mr. - Any \$b

पत्रकारिता एवं जनसंचार विभाग, महात्मा गांधी काशी विद्यापीठ, वाराणसी

पाठ्यक्रम - कौशल विकास (व्यवसायिक)

प्रश्न पत्र का नाम	क्रेडिट	व्याख्यान की संख्या
विज्ञापन	03	45

[M.M.: 25+75]

विज्ञापन (Advertising)

Unit	Detail of Course	No. of Lectures
I	इकाई -1 विज्ञापन: अर्थ, परिभाषा, ऐतिहासिक विकास, विज्ञापन के सामाजिक एवं आर्थिक लाभ, विज्ञापन के प्रकार Unit-1. Advertising: Meaning, Definition, Historical Development, Social and Economic benefits of advertising, Types of Advertising.	10
II	इकाई 2 उत्पाद विज्ञापन- लक्षित श्रोता, ब्राण्ड छवि, विज्ञापन रणनीति मीडिया चुनाव-समाचार पत्र, रेडियो, टेलीविजन, आउटडोर, रणनीति योजना, मीडिया बजट, अभियान योजना। Unit-2. Product advertising- Target Audience, Brand Image, Advertising Strategies. Media Selection- News Paper, Radio, Television, Outdoor, Strategies Planning, Media Budget, Campaign Planning.	13
III	इकाई 3 कापी लेखन और विज्ञापन, प्रोडक्शन तकनीक-प्रिंट, रेडियो, टेलीविजन, फिल्म, आउटडोर, विचार निर्माण, दृश्य निर्माण, कम्प्यूटर का उपयोग, कापी निर्माण। Unit-3. Copy Writing and Advertising. Production Techniques-Print, Radio, Television, Film, Outdoor, Ideation, Visualization, Use of Computer, Copy Creation.	13
IV	इकाई 4 विज्ञापन में शोध, कापी शोध, बाजार शोध, बाजार और इसके विभाजन, विक्री संवर्धन। Unit-4. Research in Advertising, Copy research, Market research, Market and its segmentation, Sales Promotion.	09

AKM for Mr. [Signature]

कौशल विकास

पाठ्यक्रम संरचना

शीर्षक : रंगमंचीय प्रयोग: अभिनय, निर्देशन एवं प्रस्तुति

पाठ्यक्रम संयोजक: डॉ. सुशील कुमार, डॉ. रामनरेश यादव, डॉ. प्रेम यादव, डॉ. दीपक वर्मा

प्रस्तावना

यह पाठ्यक्रम स्नातक स्तर के विद्यार्थियों के लिए तैयार किया गया है। इसका उद्देश्य अभिनय, निर्देशन, रंगमंचीय तकनीक और नाट्य प्रस्तुति की समग्र समझ विकसित करना है। विद्यार्थी इस कोर्स के माध्यम से रंगमंचीय भाषा, अभिनय-कौशल, प्रस्तुति प्रबंधन एवं आलोचना की बुनियादी दक्षता अर्जित करेंगे।

पाठ्यक्रम उद्देश्य (Course Objectives):

1. विद्यार्थियों को रंगमंच की मूलभूत अवधारणाओं, अभिनय कला और मंचीय तकनीकों से परिचित कराना।
2. रंगमंच के प्रयोगात्मक स्वरूप के माध्यम से सृजनात्मकता, संवेदनशीलता और अभिव्यक्ति क्षमता का विकास करना।
3. नाट्य-निर्देशन, अभिनय और प्रस्तुति की व्यावहारिक समझ प्रदान करना।
4. भारतीय रंगमंच की परंपरा और आधुनिक संदर्भ में उसके महत्व को समझाना।
5. विद्यार्थियों को मंच पर आत्मविश्वास, प्रस्तुति कौशल और कलात्मक दृष्टिकोण से सुसज्जित करना।
6. रंगमंच को सामाजिक सरोकारों, शिक्षा और सांस्कृतिक चेतना से जोड़ना।

अपेक्षित अधिगम परिणाम (Learning Outcomes)

इस पाठ्यक्रम के अध्ययन उपरांत विद्यार्थी -

1. अभिनय, निर्देशन और रंगमंचीय प्रस्तुति की मूलभूत जानकारी प्राप्त करेंगे।
2. भाषा और अभिव्यक्ति कौशल में सुधार करेंगे
3. टीम वर्क, नेतृत्व और संगठनात्मक क्षमता का विकास करेंगे।
4. साहित्य, समाज और रंगमंच के अंतर्संबंध को समझेंगे।
5. नाट्य समीक्षा और आलोचना का व्यावहारिक ज्ञान अर्जित करेंगे।

क्रेडिट: 3 अवधि : 45 घंटे (3 यूनिट × 15 घंटे)

अंक विभाजन: आंतरिक मूल्यांकन: 25 अंक, बाह्य मूल्यांकन: 75 अंक

कुल: 100 अंक

Unit	Topics	Lectures	
		Theory	Practical
Unit 1 रंगमंच और अभिनय कला	रंगमंच का परिचय : परिभाषा, इतिहास एवं सामाजिक भूमिका, अभिनय के सिद्धांत : रस, भाव, नाट्यशास्त्र की मूल अवधारणाएँ, रंगमंचीय भाषा : संवाद, उच्चारण, शारीरिक भाषा, अभिनय अभ्यास : आवाज़, हावभाव, चरित्र निर्माण की तकनीकें, समूह चर्चा और रीडिंग सेशन	10	—
Unit 2 निर्देशन एवं रंगमंचीय तकनीक	निर्देशक की भूमिका और जिम्मेदारियाँ, पाठ से मंचन तक : रूपांतरण की प्रक्रिया, मंच सज्जा, प्रकाश, ध्वनि, वेशभूषा का प्रयोग, रिहर्सल की पद्धतियाँ और निर्देशन की चुनौतियाँ, कार्यशाला आधारित समूह गतिविधियाँ	10	5
Unit 3 रंगमंचीय प्रस्तुति एवं समीक्षा	नाट्य प्रस्तुति की प्रक्रिया : स्क्रिप्ट चयन से मंचन तक, प्रदर्शन प्रबंधन : टीम वर्क, समय प्रबंधन, मंच संचालन, रंगमंचीय आलोचना और समीक्षा : अभिनय, निर्देशन एवं तकनीकी पहलू, भारतीय रंगमंच की परंपरा और आधुनिक प्रवृत्तियाँ,	5	5
Unit 4 प्रायोगिक गतिविधि	एक लघु नाटिका/एकांकी की प्रस्तुति एवं समीक्षा	5	5

अनिवार्य पठन (Core Readings – For Students)

1. भरतमुनि – नाट्यशास्त्र
2. जयशंकर प्रसाद – आषाढ़ का एक दिन, स्कंदगुप्त, ध्रुवस्वामिनी
3. मोहन राकेश – आधे-अधूरे, आषाढ़ का एक दिन
4. भिष्म साहनी – माधवी, हानूश
5. हबीब तनवीर – आगरा बाजार, चरणदास चोर
6. कृष्ण कुमार वाजपेयी – भारतीय रंगमंच का इतिहास

योग = 45 [L. 30+P. 15]

Am for Mr. Manu

05

PSYCHOLOGICAL TESTING

Vocational Skill Development Elective Paper for U.G. Students

[M.M.: 25+45]

Credits: 03

(15 Hours)

UNIT-I

Introduction to Psychological Testing.
Definition, meaning and nature of testing.
Differences between testing and measurement.
Difference between testing and experiment.
Objective of psychological testing, Utility of psychological testing.

(15 Hours)

UNIT-II

Intelligence test: Introduction and utility of intelligence test.
Personality test, Interest test, Attitude test, Achievement test

(15 Hours)

UNIT-III

Objective test: Definition, nature, characteristics and Utility
M.M.P.I.-2, E.P.Q.,
Projective test: Nature, Characteristics, and utility. T.A.T.,
Type-A Behaviour, Alienation, Adjustment.

Books:

1. Anastasi, A. and Rubina, S. (2003): Psychological Testing (7th Ed.). Pearson Education.
2. Hall, C.S.; Lindzey, G.L. and Campbell, J.B. (2002): Theories of Personality. John Wiley and Sons.
3. Freeman, F.S. (1971): Theories and Practice of Psychological Testing (3rd Ed.). Oxford Press, New Delhi
4. Weiner, J.B. (1981) Clinical Methods in Psychology John Wiley's sons.
5. अरुण कुमार सिंह (2003) व्यक्तित्व का मनोविज्ञान, मोतीलाल बनारसी दास।
6. महेश भार्गव (2003) मनोवैज्ञानिक परीक्षण एवं मापन

R. P. Singh

Vinod

Pradeep

Pradeep

Pradeep
01/07/2021

Pradeep