FOUR YEAR UNDERGRADUATE PROGRAM(2024 – 28)
DEPARTMENT OFCHEMISTRY
COURSE CURRICULUM

PART-A: Introduction

Program:Bachelor in Science (Certificate / Diploma / Degree/Honors)		Semester-I/III/V	Session: 2024-2025
1	Course Code	CHVAC	
2	Course Title	Chemistry in Daily Life	
3	Course Type	Value Added Course(VAC)	
4	Pre-requisite(If,any)	*As per Program*	
5	Course Learning Outcomes(CLO)	➢ *To introduce the student about dairy product,beverages,food additives, artificial sweeteners, flavors, food colorants, paints, pigments, dyes etc.* ➢ *To make aware the students about air pollution, hydrological cycle, composition of soil, fertilizers etc.* ➢ *To introduce the students about carbohydrate, vitamins,drugs.* ➢ *To introduce students about concept of thermodynamics used in day to day life.*	
6	Credit Value	2 Credits	*Credit = 15 Hours -learning & Observation*
7	Total Marks	Max.Marks:50	Min Passing Marks:20

PART -B: Content of the Course

TotalNo.of Teaching–learning Periods(01 Hr. per period) - 30 Periods (30 Hours)

Unit	Topics(Course contents)	No. of Period
I	**Dairy Products:** Composition of milk and milk products. Analysis of fat content, minerals in milk and butter. Estimation of added water in milk. **Beverages:** Analysis of caffeine in coffee and tea, detection of chicory in coffee, chloral hydrate in toddy, estimation of methyl alcohol in alcoholic beverages. **Food additives, adulterants and contaminants:** Food preservatives like benzoates, propionates, sorbates, disulphites. **Artificial sweeteners:** spartame, saccharin, dulcin, sucralose and sodium cyclamate. **Flavors:** Vanillin, alkyl esters (fruit flavours) and monosodium glutamate. Artificial food colorants: Coal tar dyes and non-permitted colours and metallic salts. Analysis of pesticide residues in food. **Paints & Pigments:** White pigments (white lead, ZnO, lithopone, TiO_2). Blue, red, yellow and green pigments. Paints and distempers: Requirement of a good paint. Emulsion, latex; luminescent paints. Fire retardant paints and enamels, lacquers. Solvents and thinners for paints. **Dyes:** Colour and constitution (electronic concept). Classification of dyes. Methods of applying dyes to the fabrics. A general study of azo dyes, Mordant brown, Congo red and methyl orange.	08
II	**Air Pollution:** Air pollutants, prevention and control, Greenhouse gases and acid rain. Ozone hole and CFC's. Photochemical smog and PAN. Catalytic converters for mobile sources. Bhopal gas tragedy. Hydrologic cycle, sources, criteria and standards of water quality - safe drinking water. Public health significance and measurement of water quality parameters - (Colour, turbidity, total solids, acidity, alkalinity, hardness, sulphate, fluoride, phosphate, nitrite, nitrate, BOD and COD). Water purification for drinking and industrial purposes. Toxic chemicals in the environment. Detergents - pollution aspects, eutrophication. Pesticides and insecticides - pollution aspects. Heavy metal pollution. Solid pollutants - treatment and disposal. Treatment of industrial liquid wastes. Sewage and industrial effluent treatment.	07

	Composition of soil – inorganic and organic components in soil - micro and macronutrients. **Fertilizers:** Classification of fertilizers - Straight Fertilizers, Compound/Complex Fertilizers, Fertilizer Mixtures. Manufacture and general properties of fertilizer products - Urea and DAP.	
III	**Carbohydrates:** Structure, function and Chemistry of some important mono and disaccharides. **Vitamins:** Classification and Nomenclature.Sources, deficiency diseases and structures of Vitamin A_1, Vitamin B_1,VitaminC, Vitamin D, Vitamin E &Vitamin K_1. **Drugs:** Classification and nomenclature. Structure and function of: *Analgesics* –aspirin, paracetamol. *Anthelmentic drug*:mebendazole. *Antiallergic drug:* Chlorophenemamine maleate. *Antibiotics:*PenicillinV,Chloromycetin,Streptomycin. *Anti-infalmmatory agent:* Oxypheno-butazone. *Antimalarials:* Primazuine phosphate & Chloroquine. **Oils and fats:** Composition of edible oils, detection of purity, rancidity of fats and oil. Tests for adulterants like aregemone oil and mineral oils. **Soaps & Detergents:** Structures and methods of use of soaps and detergents.	08
IV	**Chemical Thermodynamics:** Concept of fugacity and free energy, Activity and activity coefficient, spontaneity of processes-entropy and free energy changes. Partial molar quantities, colligative properties, Le-Chatelier principle, phase equilibrium. Enzyme catalyzed reactions. **Principles of Reactivity:** Basis kinetic concepts, rates of simple and complex chemical reactions, empirical rate equations.Temperature dependence of rates and activation parameters. Branched chain reactions – explosion limits. Oscillatory reactions. **Chemical energy system** and limitations, principles and applications of primary & secondary batteries and fuel cell. Basics of solar energy, future energy storer. aerospace materials. Problems of plastic waste management.Strategies for the development of environment friendly polymers.	08
Keywords	*Air pollution, carbohydrate,vitamins, LeChatteliar's law, Dairy product, artificial sweeteners. fertilizers,Paint,pigment ,dyes.*	

Four-year undergraduate course; 2024 - 28
Department of Political Science Course Curriculum

PART A INTRODUCTION				
PROGRAM : Bachelor in social science Certificate/Diploma/Degree/Honors			SEMESTER I	Session 2024-25
1	Course code	PSVAC 01		
2	Course Title	constitutional Values		
3	Course Type	VAC : Value added course		
4	Prerequisite (if,any)	As per Program		
5	Course Learning. Outcomes (CLO)	After completion of the course, the student shall be able to • **Develop** students as good citizens that will act based on constitutional values. • **Evaluate** the separation of power system in our constitution. • **Interpret** the fundamental rights and duties that are described in the Indian Constitution. • **Explain** democratic and constitutional values of Self governance.		
6	Credit Value	2 credits	Credit = 15 Hours - learning & Observation and 30 Hrs for Practices/ Field work	
7	Total Marks	Max. Marks: 50		Min Passing Marks: 20

PART B - Content of the Course

Total No. of Teaching–Learning Periods (01 Hr. per period) 30 Period (30 Hours)

UNIT	Topics (Course Content)	No. of Periods
I	**Philosophy of Constitution** Meaning of Constitution, meaning of Constitution values, constitutional values- Sovereignty, Republic (Vajji Sangha & Malla Sangh in Mahajanapada period) justice: social, economical & political, liberty, equality, fraternity, dignity of individual, unity and integrity of the nation.	8 hours
II	**Division of Powers and Balance of Power** Indian federal system, parliamentary democracy, independence and integrated judicial system, executive constantly accountable to the parliament.	7 hours
III	**Rights and Duties** Meaning of Fundamental rights and duties , Aim of directive Principles of State Policy, international peace and just international order (Vasudhaiva Kutumbkam), a unique blend of rights of LGBT and speciàlly blessed people.	8 hours
IV	**Self-Governance** Composite culture, Free and fair elections, Local self government for rural and urban areas (Sabha & Samiti in vedic period)	7 hours

Keywords : sovereignty, Republic, justice, liberty, equality,judicial system

Name and Signature of Convener & Members of CBoS:

(1) 10.06-24
(2) 10-06-24
(3) 10-06-24
10/06/2024

Ref 2 Credits AECC VAC (Hindi Med.)

चार वर्षीय स्नातक पाठ्यक्रम;2024 - 28
राजनीति विज्ञान विभाग कोर्स करिकुलम

खंड अ परिचय				
पाठ्यक्रमः बैचलर इन (सर्टिफिकेट/डिप्लोमा/डिग्री/आनर्स)			सेमेस्टर I	सत्र 2024-25
1	कोर्स कोड	PSVAC 01		
2	कोर्स शीर्षक	संवैधानिक मूल्य (constitutional values)		
3	कोर्स टाइप	वैल्यू एडेड कोर्स : वीएसी (VAC)		
4	पूर्वापेक्षा (यदि कोई हो तो)	कार्यक्रम अनुसार		
5	लर्निंग आउटकम्स (CLO)	कोर्स पूरा होने के बाद, विद्यार्थी निम्नलिखित उद्देश्यो को पूर्ण करने मे सक्षम हो सकेगें । • संविधान की प्रस्तावना मे वर्णित आदर्शों व दर्शन की प्राथमिक जानकारी *प्राप्त* करने मे सक्षम होगें । • हमारे संविधान में संघ व ईकाइयो के मध्य शक्ति विभाज एवं संतुलन का *मूल्यांकन* कर सकने मे सक्षम होगें । । • भारतीय संविधान में वर्णित मौलिक अधिकारों और कर्तव्यों का *विश्लेषण* कर सकेगें । • स्वशासन के लोकतांत्रिक और संवैधानिक मूल्यों की *व्याख्या* कर सकने मे सक्षम होगें ।		
6	क्रेडिट महत्व	2 क्रेडिट	क्रेडिट = 15 घण्टे का अध्ययन/प्रशिक्षण/पर्यवेक्षण एवं 30 घण्टे का प्रैक्टिस/ क्षेत्र कार्य	
7	कुल अंक	पूर्णांक : 50	उत्तीर्णांक : 20	

खण्ड ब - पाठ्यक्रम की विषय वस्तु

कुल अध्यापन कालखण्ड (सैद्धान्तिक अध्ययन 1घण्टा प्रति कालखण्ड) 30 कालखण्ड (30 घण्टे)

इकाई	प्रसंग (विषय वस्तु)	कालखण्ड की संख्या
I	**संविधान का दर्शन** भारतीय संविधान की प्रस्तावना मे वर्णित संविधान का दर्शन : संप्रभुता, गणराज्य- न्याय:सामाजिक, आर्थिक,राजनीतिक । स्वतंत्रतता , समानता, बंधुता, व्यक्ति की गरिमा, राष्ट्र की एकता अखंडता।	8 hours
II	**शक्ति विभाजन और शक्ति संतुलन** भारतीय संघीय व्यवस्था- केन्द्र व राज्यो के मध्य शक्ति विभाजन , संसदात्मक लोकतंत्र,स्वतंत्र एवं एकीकृत न्याय व्यवस्था, कार्यपालिका का संसद के प्रति उत्तरदायित्व।	7 hours
III	**अधिकार एवं कर्तव्य** मौलिक अधिकार और कर्तव्य,राज्य के नीति निर्देशक तत्वों का उद्देश्य,अंतर्राष्ट्रीय शांति एवं न्यायपूर्ण अंतर्राष्ट्रीय व्यवस्था-(वसुधैव कुटुंबकम) । दिव्यांग एवं एलजीबीटी के अधिकार ।	8 hours
IV	**स्वशासन** सामासिक संस्कृति, स्वतंत्र एवं निष्पक्ष चुनाव स्थानीय प्रशासन ग्रामीण एवं शहरी-(वैदिक काल में सभा एवं समिति), पंचायती राज ।	7 hours

कुंजी शब्द : संप्रभुता, गणतंत्र, न्याय, स्वतंत्रता, समानता, न्यायिक प्रणाली

हस्ताक्षर, सदस्य एवं संयोजक (केन्द्रीय अध्ययन मण्डल)

डा० शकील हुसैन

खण्ड स	सीखने के संसाधनः पाठ्य पुस्तकें, संदर्भ पुस्तकें और अन्य

पाठ्य पुस्तकें

1- बसु दुर्गादास, 1989 भारत का संविधानः एक परिचय, वाधवा एंड कंपनी लॉ पब्लिशर्स,

2- पांडे जय नारायण, 1971 भारत का संविधान, सेंट्रल लॉ एजेंसी, प्रयागराज,

3- कश्यप सुभाष,हमारा संविधानः 1996 भारत का संविधान और संवैधानिक विधि, नेशनल बुक ट्रस्ट, इंडिया

संदर्भ ग्रंथ

4- Kohli Atul, The success of India's democracy, Cambridge University Press, Cambridge,2001

5-Manor J, Public institution in India: performance and design,New Delhi: Oxford University Press, 2005

6. Austin G., the Indian Constitution : cornerstone of a nation, Oxford University Press, 1999

ई बुक्स / पीडीएफ

Constitution of India (pdf)
https://legislative.gov.in/constitution-of-india/

संविधान सभा और संविधान, इंदिरा गांधी राष्ट्रीय मुक्त विश्वविद्यालय, नई दिल्ली।
https://egyankosh.ac.in/handle/123456789/58295

भारतीय संविधान, इंदिरा गांधी राष्ट्रीय मुक्त विश्वविद्यालय, नई दिल्ली।
https://egyankosh.ac.in/handle/123456789/53790

ई लर्निंग पोर्टल्स

NPTEL https://youtu.be/0DbQ_Eq8wJ0?feature=shared(English)

NPTEL https://youtu.be/RdXVmWaF6w8?feature=shared(English)

CEC Basic features of constitution of India-1(Hindi) https://youtu.be/e18xmGhdsOg?feature=shared

CEC basic features of constitution of India-2 (Hindi)

https://youtu.be/VoDn0gori0o?feature=shared

खण्ड द	आंकलन एवं मूल्यांकन

अनुशंसित सतत मूल्यांकन प्रविधि

पूर्णांक 50 अंक	सतत आन्तरिक मूल्यांकन (CIA) 15 अंक अंत सेमेस्टर परीक्षा (ESE) 35 अंक

FOUR YEAR UNDERGRADUATE PROGRAM (2024-28)
DEPARTMENT OF SOCIOLOGY COURSE CURRICULUM

PART-A : INTRODUCTION			
PROGRAM: Bachalor in Arts (Certificate/Diploma/Degree/Honors)		SEMESTER –I/III/V	SESSION:2024-25
SUBJECT: SOCIOLOGY			
1	COURSE CODE:	SOVAC -01	
2	COURSE TITLE:	INDIAN TRADITION AND VALUES	
3	COURSE TYPE:	VAC	
4	Pre-requisite	As per Government norms	
5	COURSE LEARNING OUTCOME (CLO):	After completion of the course, the student will be able to achieve the following objectives- • The student will learn about the Indian value system and its significance in the betterment of our society.	
6	CREDIT VALUE:	02(Credit= 15 Hour- Learning and observation)	
7	TOTAL MARKS:	MAX MARKS:50	MIN PASS MARKS20

PART-B : CONTENT OF THE COURSE

Total Number of Teaching-Learning Periods(01 hr. Per Period)- 30 Period (30 Hours)

UNIT	TOPICS	No. of Periods
UNIT –I	• Historical moorning of indian values • Ashrama and purushartha	15
UNIT-II	• Custom and tradition -meaning, significance of Vasudhaiv Kutumbakkam	15

Signature of Convener & Members :

PART-C : LEARNING RESOURCES,REFERENCE, BOOKS & OTHERS

AUTHOR	TITLE	PUBLISHER
Kapadia, k.m.1958	Hinduism: religion and a way of life	New delhi associated publishing house
Shankar,rao.C.N.,2013	Sociology of indian society	New delhi,s.chand & company
Prabhu,P.N.1954	Hindu social organization	Bombay popular book depot

Online Resources

1	https://www.swayamprabha.gov.in/index.php
2	https://vidyamitra.inflibnet.ac.in/index.php
3	https://epgp.inflibnet.ac.in/Home/ViewSubject
4	https://deseg.gov.in/

10/6/24

PART-D : ASSESSMENTANDEVALUATION

SuggestedContinuousEvaluationMethods:
MaximumMarks:

	50MarksContinuousInternalAssessment(CIA): 15Marks
EndSemesterExam(ESE):	35Marks

ContinuousInternal Assessment(CIA): (ByCourseTeacher)	InternalTest/Quiz-(2):10&10 Assignment/Seminar- 05 TotalMarks- 15	BettermarksoutofthetwoTest/Quiz +obtainedmarksinAssignmentshallbeconsidered against15Marks
EndSemesterExam(ESE):	Twosection–A&B SectionA:Q1.Objective–05x1=05Mark;Q2.Shortanswertype-5x2=10Marks SectionB:Descriptiveanswertypeqts.,1outof2fromeachunit-2x10=20Marks	

NameandSignatureofConvener&MembersofCBoS

10.6.24

10.6.24

चार वर्षीय स्नातक पाठ्यक्रम : 2024-28

समाजशास्त्र विभाग कोर्स करिकुलम

खण्ड-अ : परिचय

कार्यक्रम: बैचलर इन आर्ट्स (सर्टिफिकेट / डिप्लोमा / डिग्री / आनर्स)	सेमेस्टर -I/III/IV	सत्र :2024-25
विषय : समाजशास्त्र		

1	पाठ्यक्रम कोड	SOVAC -01	
2	पाठ्यक्रम शीर्षक	भारतीय परंपरा और मूल्य (INDIAN TRADITION AND VALUES)	
3	पाठ्यक्रम का प्रकार	VAC	
4	पूर्वापेक्षा (यदि कोई हो तो)	कार्यक्रम अनुसार	
5	लर्निंग आउटकम (CLO)	कोर्स पूरा होने के बाद विद्यार्थी निम्नलिखित उद्देश्यों को पूर्ण करने में सक्षम हो सकेंगे- • छात्र भारतीय मूल्य प्रणाली और हमारे समाज की मूल्यों, परंपरा एवं इसके महत्व के बारे में जानेंगे।	
6	क्रेडिट महत्व	02	क्रेडिट = 15 घण्टे का अध्ययन/प्रशिक्षण/पर्यवेक्षण
7	कुल अंक :	अधिकतम अंक : 50	न्यूनतम उत्तीर्ण अंक : 20

खण्ड-ब : कोर्स की विषय-वस्तु

कुल अध्यापन कालखण्ड (1 घण्टा प्रति कालखण्ड) 60 कालखण्ड (60 घण्टे)

इकाई	विषय-वस्तु	कुल कालखण्ड की संख्या
इकाई -I	1. भारतीय मूल्यों की ऐतिहासिक पृष्ठभूमि 2. आश्रम और पुरुषार्थ ।	15
इकाई-II	1.रीति-रिवाज एवं परम्परा-वसुदेव कुटुम्बकम का अर्थ, महत्व।	15

हस्ताक्षर, सदस्य एवं संयोजक (केन्द्रीय अध्ययन मंडल)

(1) (2) 10.6.24 (3) 10.6.24 (6) सपना

खण्ड-स : अध्ययन स्रोत/साधन

लेखक	शीर्षक	प्रकाशक
पाठ्य पुस्तकें		
कपाडिया, के.एम. 1958	हिन्दुज्म : रिलिजिअस एंड अ वे ऑफ़ लाइफ	न्यू देल्ही एसोसिएट पुब्लिशिंग हाउस
शंकर राव सी.एन. 2013	सोशियोलॉजी ऑफ़ इंडियन सोसाइटी	न्यू देल्ही, एस चॉद & कम्पनी
प्रभु पी एन 1954	हिन्दू सोशल ऑर्गेनाइजेशन	बॉम्बे पापुलर बुक डिपो

ऑनलइन स्रोतः ई-बुक्स/पीडीएफ e-books/pdf

1	https://www.swayamprabha.gov.in/index.php
2	https://vidyamitra.inflibnet.ac.in/index.php
3	https://epgp.inflibnet.ac.in/Home/ViewSubject
4	https://descg.gov.in/

(5) (7)

खण्ड-द : आंकलन एवं मूल्यांकन

अनुशंसित सतत मूल्यांकन प्रविधि

पूर्णांक 100 अंक	सतत आन्तरिक मूल्यांकन (CIA) : 30 अंक	अंत सेमेस्टर परीक्षा (ESE) : 70 अंक
सतत आन्तरिक मूल्यांकन (CIA) कोर्स शिक्षक द्वारा	आंतरिक जाच परीक्षा/प्रश्नोत्तरी परीक्षा (दो) : 20+20 कार्यभार /सेमिनार + उपस्थिति - 10 कुल अंक - 30	दोनो आंतरिक परीक्षा उच्चत्तर प्रप्तांक + कार्यभार में प्राप्तांक - 30 अंक के परिप्रेक्ष्य में अधिग्रहित किया जयेगा ।
अंत सेमेस्टर परीक्षा (ESE)	दो खण्ड - अ तथा ब खण्ड-अः प्र.1. वस्तुनिष्ठ प्रश्न- 10x1=10 अंक एवं प्र -2- लघुउत्तरीय प्रश्न 5x4= 20 अंक खण्ड-बः वर्णात्मक प्रकार के प्रश्न-2 प्रति इकाई में से 1-1 प्रश्न हल करना- 4 x 10=40 अंक	

हस्ताक्षर, सदस्य एवं संयोजक (केन्द्रीय अध्ययन मण्डल)

(1) (2) 10.6.24 (6) सपना (3) (4) 10.6.24 (7) (5)

FOUR YEAR UNDERGRADUATE PROGRAM (2024 – 28)
DEPARTMENT OF ZOOLOGY
COURSE CURRICULUM

PART-A: Introduction			
Program:Bachelor *(Certificate / Diploma / Degree)*		Semester – I/III/V	Session: 2024-2025
1	Course Code	ZOVAC-01	
2	Course Title	Public Health and Hygiene	
3	CourseType	Value Added Course	
4	Pre-requisite(if, any)	*As per Program*	
5	Course Learning. Outcomes(CLO)	➢ Understand the importance of hygiene. ➢ Identify current national and global public health problems. ➢ Aware about the issues of food safety, water safety, vaccination, and obesity. ➢ Create general medical awareness in daily life. ➢ Analyze the measures to live a healthy life.	
6	CreditValue	2 Credits	*Credit = 15 Hours -learning & Observation*
7	TotalMarks	Max.Marks:50	Min Passing Marks:20

PART -B: Content oftheCourse

Total No. of Teaching–learning Periods (01 Hr. per period) - 30 Periods (30 Hours)

Unit	Topics (Course Contents)	No. of Period
I	**Maintenance of personal hygiene:** Introduction to public health and hygiene: determinants and factors. Pollution and health hazards: Water and air borne diseases. Radiation hazards: Network Towers and electronic gadgets (recommended levels, effects and precaution). Personal hygiene: Oral hygiene, Menstrual Hygiene, Ideal hand washing methods, Ideal food keeping methods.	07
II	**Nutrition and Health:** Classification of food into micro and macro nutrients. Balanced diet. Importance of dietary fibres. Significance of breast feeding. Malnutrition anomalies: Anaemia (Iron and B12 deficiency), Kwashiorkar, Marasmus, Rickets, Goiter (cause, symptoms, precaution and cure).	07
III	**Communicable/Contagious and Non-Communicable Diseases: Communicable viral diseases:** measles, chicken pox, swine flu (their causal agents, symptoms and prevention). **Communicable bacterial diseases:** tuberculosis, typhoid, cholera (their causal agents, symptoms and prevention). **Sexually transmitted diseases:** AIDS, Syphilis (their causal agents, symptoms and prevention). **Non-communicable diseases:** hypertension, arthritis, Diabetes, peptic ulcer, obesity, depression and anxiety (their causal agents, symptoms and prevention).	09
IV	**Public Health Management & General Medical Awareness:** Vaccination, Benefits of institutional deliveries, Deworming drive: Use of Albendazole. First Aid: Electrocution, Road Accident, Burn, Lightning Strike, Envenomation. Importance of Cardiopulmonary resuscitation (CPR). Blood Donation: Eligibility, Health Screening. Road Safety: Good Samaritan, General safety precautions on Road and Motion Sickness. Fire Safety: Fire Control and Fire Extinguisher Categories.	07
Keywords	*Health, Hygiene, Nutrition, Disorders, Vaccination, Safety, Fire, Blood, Medication.*	

Signature of Convener & Members (CBoS):

FOUR YEAR UNDERGRADUATE PROGRAM (2024 – 28)
DEPARTMENT OF GEOGRAPHY
COURSE CURRICULUM

PART- A: Introduction				
Program: Bachelor in ARTS *(Honors)*			**Semester - VIII**	Session: **2024-2025**
1	**Course Code**	**GOVAC – 01**		
2	**Course Title**	**GEOGRAPHICAL KNOWLEDGE IN ANCIENT INDIA**		
3	**Course Type**	**Value Added Course**		
4	**Pre-requisite (if, any)**	***As per Programme***		
5	**Course Learning. Outcomes (CLO)**	After the completion of course, the students will have ability to: 1. After this study, it will help students to understand the historical development of geographical knowledge and science. 2. It will help in understanding the nature of development of knowledge and science in ancient India. 3. The understanding of the richness of geographical knowledge in ancient Indian literature will increase. 4. This study will make students feel cultural pride		
6	**Credit Value**	**2 Credits**	***Credit = 15 Hours - learning & Observation***	
7	**Total Marks**	**Max. Marks: 50**		**Min Passing Marks: 20**

PART -B: Content of the Course		
Total No. of Teaching–learning Periods (01 Hr. per period) - 30 Periods (30 Hours)		
Unit	**Topics (Course contents)**	**No. of Period**
I	**Evolution of geographical knowledge in ancient India-** Indus valley age, Vaidik age, Epic age, Puranic age. Seven Dwipas of the earth in Puranas.	**08**
II	**Geographers in Ancient India-** Aryabhatta, VarahaMihir, Bhaskaracharya,Kautilya and Kalidas	**07**
III	**Main aspect of Geography in Ancient India** -Astronomical knowledge, Origin of Cosmos and Earth, Age of the earth, Latitude and Longitude, Day and Night, Phenomena's of seasons.	**08**
IV	**Different branches of Geography in Ancient India**---Physical Geography, Mathematical Geography ,Astronomical Geography, Climatology, Human Geography, Agriculture Geography, Industrial Geography, Political Geography, Urban Geography .	**08**
Keywords		

Signature of Convener, Members of CBoS :

Dr. S. Yadav

Dr. Sophia Ambrele

10/06/24

FOUR YEAR UNDERGRADUATE PROGRAM- 2024-28

FACULTY OF COMMERCE
COURSE CURRICULUM

PART-A : Introduction			
Program: Bachelor in Commerce (Certificate/Diploma/Degree /Honors)		Semester- I	Session: 2024-25
1	**Course Code**	COVAC-01	
2	**Course Title**	Concept of Business	
3	**Course Type**	Value Added Course (COVAC)	
4	**Pre-requisite (if any)**	As per program	
5	**Course Learning Outcomes (CLO)**	• Analyze business operations and scale, evaluating size and scope effectively. • Demonstrate an understanding of business promotion strategies and growth mechanisms. • Identify various business structures and comprehend their implications. • Develop awareness of social responsibility, ethical principles, and their significance in business practices.	
6	**Credit Value**	**2 Credits** Credit- 15 Hours-learning & Observation	
7	**Total Marks**	**Max. Marks : 50**	**Minimum Passing Marks : 20**

PART – B: Content of the Course

Total No. of Teaching-learning Periods (01 Hr. Per Period) 30 Period (30 Hours)

Unit	Topics (Course Contents)	No. of Period
I	Introduction to Business, Business Undertakings, Size of A Business Unit and Scale of Operations, Promotion of Business, Business Combinations, Scientific Management, Rationalization, Plant Location, Structure & Forms of Business Organization.	8
II	Business & environment, Approaches towards relationship of Business & environment, Components & types of Environments	7
III	Social Responsibility & Business Ethics, Rationale of concept & Scope of social responsibility, emerging concepts of Doctrine of Social Responsibility,	8
IV	Business Ethics: Basic assumptions, characteristics, Principles, need & importance of Business Ethics, difference between business ethics & morality	7
Key Words	Business Undertakings, Size of a Business Unit and Scale of Operations, Promotion of Business, Business Combinations, Scientific Management, Plant Location, Structure & Forms of Business Organization, Business Ethics.	

Signature of Convener & Members (CBoS):

चार वर्षीय स्नातक पाठ्यक्रम(2024–28)
वाणिज्य संकाय
कोर्स कॅरिकुलम

खंड–अ:परिचय				
पाठ्यक्रमः बैचलर इन कॉमर्स (सर्टिफिकेट/डिप्लोमा/डिग्री/ऑनर्स)			सेमेस्टर– प्रथम	सत्र 2024–25
1	कोर्स कोड	सीओवीएसी–01		
2	कोर्स शीर्षक	व्यवसाय की अवधारणा		
3	कोर्स प्रकार	वेल्यू ऐडेड कोर्स (सीओवीएसी)		
4	पूर्व अपेक्षित (यदि हो)	आवश्यकतानुरुप		
5	कोर्स लर्निंग आउटकम (CLO)	• व्यवसाय संचालन और पैमाने का विश्लेषण करेंए आकार और दायरे का प्रभावी ढंग से मूल्यांकन करें। • व्यवसाय संवर्धन रणनीतियों और विकास तंत्रों की समझ प्रदर्शित करें। • विभिन्न व्यावसायिक संरचनाओं की पहचान करें और उनके निहितार्थों को समझें। • सामाजिकजिम्मेदारी, नैतिक सिद्धांतों और व्यावसायिक प्रथाओं में उनके महत्व के बार में जागरूकता विकसित करें।		
6	केडिट महत्व	2 केडिट	केडिट = 15घंटे का अध्ययन/प्रशिक्षण/प्रवेक्षण	
7	कुल अंक	अधिकतम पूर्णांकं–50 अंक		उत्तीर्णांक–20

खण्ड–बः कोर्स की विषयवस्तु		
कुल अध्यापन कालखंड(01 घंटा प्रति कालखंड)–30 कालखंड(30घंटे)		
इकाई	प्रसंग (विषय वस्तु)	कालखंड की संख्या
1	व्यवसाय का परिचय,व्यावसायिक उपकम,व्यवसाय इकाई का आकार और संचालन का पैमाना,व्यवसाय का प्रचार,व्यवसाय संयोजन, वैज्ञानिक प्रबंधन, युक्तिकरण, सयंत्र स्थान, संरचना और व्यवसाय संगठन के रुप.	15
2	व्यवसाय और पर्यावरण,व्यवसाय और पर्यावरण के संबंध के प्रति दृष्टिकोण, पर्यावरण के घटक और प्रकार.	15
3	सामाजिक उत्तरदायित्व और व्यावसायिक नैतिकता,अवधारणा का औचित्य और सामाजिक उत्तरदायित्व का दायरा,सामाजिक उत्तरदायित्व के सिद्धांन्त की उभरती अवधारणाएँ.	15
4	व्यावसायिक नैतिकताः बुनियादी धारणाएँ,विशेंषताएँ,सिद्धांत, व्यवसाय नैतिकता की आवश्यकता और महत्व, व्यावसायिक नैतिकता और नैतिकता के मध्य अंतर.	15
प्रमुख शब्द	व्यावसायिक उपक्रम, व्यावसायिक इकाई का आकार और संचालन का पैमाना, व्यवसाय को बढ़ावा देना, व्यावसायिक संयोजन, वैज्ञानिक प्रबंधन, संयंत्र स्थान, व्यावसायिक संगठन की संरचना और रूप, व्यावसायिक नैतिकता.	

हस्ताक्षर–सदस्य एवं संयोजक (केन्द्रीय अध्ययन मंडल):–

10.6.24

10/06/24

FOUR YEAR UNDERGRADUATE PROGRAM (2024 – 28)
DEPARTMENT OF ENGLISH
COURSE CURRICULUM

PART- A: Introduction			
Program: Bachelor in Arts/Science/Commerce *(Certificate/Diploma/Degree/Honors)*		Semester – I/III/IV	Session: 2024-2025
1	Course Code	ENVAC-01	
2	Course Title	Emotional Intelligence	
3	Course Type	VAC (Value Added Course)	
4	Pre-requisite (if, any)	*As per Program*	
5	Course Learning. Outcomes (CLO)	After the completion of course, the students will be able to : ➢ Identify the concept and characteristics of emotional intelligence. ➢ Evaluate the concept of different models of emotional intelligence. ➢ Discover personal competence and techniques of building emotional intelligence. ➢ Managing emotions effectively.	
6	Credit Value	2 Credits	*Credit = 15 Hours - learning & Observation*
7	Total Marks	Max. Marks: 50	Min Passing Marks: 20

PART -B: Content of the Course

Total No. of Teaching–learning Periods (01 Hr. per period) - 30 Periods (30 Hours)

Unit	Topics (Course contents)	No. of Period
I	Introduction : Emotional Intelligence Concept & Models - ability, mixed, trait	08
II	Personal Competence : Intra- personal skill, self-awareness, assertiveness, self-regard, independence, self-actualization.	07
III	Social Competence : Inter personal relationship, empathy, social responsibility, effective communication.	08
IV	Managing Emotions : Techniques to manage emotions	07
Keywords	emotional intelligence, personal competence, social competence, empathy, assertiveness	

Signature of Convener & Members (CBoS) :

PART–C: Learning Resources

Reference Books:

- **Bar- On, R. , & Parker, J.D.A. (Eds.) (2000).**
- **The handbook of emotional intelligence. San Francisco California : Jossey Bros.**
- **Gloeman, D. (1995) Emotional Intelligence. New York : Batam Book.**
- **Goleman, D. (1998). Working with Emotional Intelligence. New York : Bantam Book.**
- **Singh, D. (2003). Emotional Intelligence at work (2nded) New Delhi : Response Books.**

FOUR YEAR UNDERGRADUATE PROGRAM (2024 – 28)

DEPARTMENT OF BOTANY
COURSE CURRICULUM

PART- A: Introduction				
Program: Bachelor in Life sciences *(Certificate / Diploma / Degree)*			Semester - I/III/V	Session: 2024-2025
1	Course Code	BOVAC-01		
2	Course Title	Herbal Plant & Human Health		
3	Course Type	Value Addition Course (BOVAC-01)		
4	Pre-requisite (if, any)	As per program		
5	Course Learning. Outcomes (CLO)	***After completion of this course, the students will be able to –*** ➢ *Understand the value of herbs, herbal medicine and use of herbal medicine.* ➢ *Know about botanical medicine professionals in the complementary and alternative medicine (CAM)* ➢ *Demonstrates the knowledge of the toxicity of plant and essential oil ingredients.* ➢ *Understand the possibility for allergic and unpleasant reactions to herbal products and the impact of herbal quality on potential toxicity.* ➢ *Use the herbal plants in their daily life* ➢ *Adopt the value of herbal medicine to save their health*		
6	Credit Value	2 Credits	***Credit = 15 Hours - learning & Observation***	
7	Total Marks	Max. Marks: 50	Min Passing Marks: 20	

PART -B: Content of the Course

Total No. of Teaching–learning Periods (01 Hr. per period) - 30 Periods (30 Hours)

Unit	Topics (Course contents)	No. of Period
I	**Introduction:** Elementary knowledge of Herbal plant and Concept of Herb as medicine. Concept of ethno-medicine, folk medicines, ethno-ecology, ethnic communities of the India & the Chhattisgarh. Concept of Herbal garden. Collection of ethnic information. ***Observation/In Practices - Survey and familiarization with herbs & local herbal plants***	08
II	**Importance of medicinal plants:** Importance of Herbal / Medicinal plant in human health care – health and balanced diet (Role of proteins, carbohydrates, lipids and vitamins). Common plants & plant parts providing metals and vitamins. ***Observation/In Practices - Survey and familiarization with local herbal medicinal plants***	07
III	**Tribal medicine and Traditional knowledge:** Introduction, Concept of Tribal medicine, methods of disease diagnosis and treatment – common Plants in folk religion. Traditional knowledge and utility of some medicinal plants in Chhattisgarh. ***Collection /Identification of Herbal plants commonly used by villagers of the state –*** • *Centella asiatica,* • *Aloe vera,* • *Solanum nigrum,* • *Achyranthus aspera,* • *Withania somnifera,* • *Papaver somniferum,* • *Strychnos nux– vomica,* • *Atropa belladonna;*	08
IV	**Plants in day to day life:** Nutritive and medicinal value of common herbal fruits and vegetables of daily use. Precautions during use of herbal medicinal products. Basic idea of contribution of national research laboratories like CDRI, CIMAP, NBRI, etc. ***Collection /Identification of Herbal plants commonly used in daily life - Tulsi, Garlic, Ginger, Turmeric, Ajwain, Methi, Flax, Tea and Coffee.***	08
Keywords	***Herbal medicine, Folk medicine, Ethno-medicine, Tribal medicine***	

Signature of Convener & Members (CBoS)

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