

Teaching Plan

Academic Year: 2021-22

Name Of Department: Economics

Name Of Teacher: Mr. Anand Kumar Paikra

Class: B.A I

Subject: Economics Paper I & II

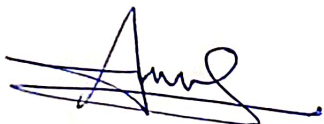
Course Type: Theory

Course Code / Title: Microeconomics/ Indian economics

Month/Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
OCTOBER	PAPER-I /UNIT I	Introduction - Definitions Nature and scope of Economics, Methodology in Economics, Utility - Cardinal and Ordinal approaches, Indifference curve, Consumer's equilibrium, Giffin goods, Demand - Law of Demand, Elasticity of demand Consumer's surplus	11	1. Chalk and talk method 2. project base learning 3. Group discussion 4. Problem Solving 5. flipped classroom
NOVEMBER	PAPER-I /UNIT II	Theory of production and cost, Production decision, Production function, Iso-quant, Factor substitution, Law of variable proportions, Returns to scale, Economies of scale, Different concepts of cost and their interrelation, Equilibrium of the firm.	19	1. Chalk and talk method 2. project base learning 3. Group discussion 4. Problem Solving 5. flipped classroom
DECEMBER	PAPER-I /UNIT III	Market structure-perfect and imperfect markets, Equilibrium of a firm-Perfect competition, Monopoly and price discrimination, Monopolistic competition, Duopoly, Oligopoly, controlled and administered prices	21	1. Chalk and talk method 2. project base learning 3. Group discussion 4. Problem Solving 5. flipped classroom
	PAPER-I /UNIT IV	Factor pricing-Marginal productivity theory of distribution, Euler's		

		theorem, Theories of wage determination, wages and collective bargaining, wage differentials, Rent - Scarcity Rent, differential rent, Quasi rent, Modern Rent Theory, Interest Classical and Keynesian Theories, Modern Theory, Profits - Innovation, Risk bearing and uncertainty theories		
JANUARY	PAPER-I /UNIT V PAPER-II /UNIT I	Welfare economics: , What welfare economics is about ?, Role of value judgments in welfare economics, Pigou's contribution in the field of welfare economics, Concept and condition of Pareto optimality, New welfare economics: Kaldor-Hicks welfare criterion, Scitovsky paradox, Social welfare function and social choice: Bergson-Samuelson social welfare function, Prof. Amartya Sen's critique, Arrow impossibility theorem Pre and post independent Indian economy: A short introduction of economic policies of British India, State of economy at the time of independence, Planning exercise in India-Planning in India through different five Year Plans, The planning commission and NITI Aayog, Growth and development in prereform period, New Economic Reforms: Liberalization, Privatization and Globalization, Growth, development and structural change in post-reform period.	25	1. Chalk and talk method 2.project base learning 3. Group discussion 4. Problem Solving 5.flipped classroom

FEBRUARY	PAPER-II /UNIT II	Population and human development: Demographic trends and issues of education, health, malnutrition and migration. Growth and distribution: Trends and policies in poverty, inequality, unemployment and occupational distribution, International comparison in human development and poverty reduction	24	
	PAPER-II /UNIT III	determining productivity, Land reforms, Agriculture: Nature and importance, Trends in agriculture production and productivity, factors new agriculture strategies and green revolution, rural credit, Agricultural marketing, natural resources and infra-structure development: Performance, problems and policies, MUDRA yojana.		
MARCH	PAPER-II /UNIT IV	Industry: Growth and productivity, Industrial policy and reforms, Growth and problems of small and cottage scale industries, Role of public sector enterprises in India's industrialization. Trends and performance in services.	27	1. Chalk and talk method 2. project base learning 3. Group discussion 4. Problem Solving 5. flipped classroom
	PAPER-II /UNIT V	External Sector - Role of foreign trade, Trends in exports and imports, Composition and direction of India's foreign trade, Export promotion measures and the new trade policies, Recent macroeconomic scenario: National Income, investment, saving and inflation, Current macroeconomic policies and their impact, fiscal policies and monetary policy		




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Teaching Plan

Academic Year: 2021-22

Name of Department: ZOOLOGY

Name of Teacher: DR. CHANDAN KUMAR

Class: B.SC. PART- I

Subject: ZOOLOGY Paper I

Course Type: Theory

Course Code / Title: Cell Biology and Non-chordata

Month/Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
SEPTEMBER	Unit I	1. The cell (Prokaryotic and Eukaryotic) 2. Organization of Cell: Extra-nuclear and nuclear, Plasma membrane, Mitochondria, Endoplasmic reticulum, Golgi body, Ribosome and Lysosome). 3. Nucleus, Chromosomes, DNA and RNA	10	1. Chalk and talk method 2. Group discussion 3. Problem Solving
OCTOBER	Unit II	1. Cell division (Mitosis and Meiosis). 2. An elementary idea of Cancer cells And Cell transformation. 3. An elementary idea of Immunity: Innate & Acquired Immunity, Lymphoid organs, Cells of Immune System, Antigen, antibody and their interactions	13	1. Chalk and talk method 2. Flip the class 3. Group discussion 4. Problem Solving
NOVEMBER	Unit III	General characters and classification of Phylum Protozoa, Porifera, and Coelenterata up to order. 1. Protozoa: Type study - Paramecium, 2. Porifera: Type study - Sycon.	10	1. Chalk and talk method 2. Flip the class 3. Group discussion 4. Problem Solving
DECEMBER	Unit III & IV	3. Coelenterata: Type study - Obelia 1. General characters and classification of Phylum Platyhelminthes, Nematelminthes, Annelida and Arthropoda up to order. 2. Arthropoda: Type Study - Palaemone.	12	1. Chalk and talk method 2. Flip the class 3. Group discussion 4. Problem Solving

JANUARY	Unit IV & V	1. Platyhelminthes and Nematelminthes: Type Study – Fasciola, Ascaris 2. Annelida: Type Study – Pheretima. 1.General characters and classification of Phylum Mollusca and Echinodermata up to order.	12	1 . Chalk and talk method 2. Flip the class 3. Group discussion 4. Problem Solving
FEBRUARY	Unit V	2. Mollusca: Type Study - Pila. 3. Echinodermata- Type Study- Asterias (Starfish).	12	1 . Chalk and talk method 2. Flip the class 3. Group discussion 4. Problem Solving

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Chandan Kumar

S. S. Kumar
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Surajpur (C.G.)

Signature of Teacher

Signature of Head

Signature of Principal

Teaching Plan

Academic Year: 2021-22

Name of Department: ZOOLOGY

Name of Teacher: DR. CHANDAN KUMAR

Subject: ZOOLOGY Paper I

Class: BSc II

Course Type: Theory

Course Code / Title: Anatomy and Physiology

Month/Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
SEPTEMBER	Unit I	• Integument and its derivatives: structure of scales, hair and feathers • Alimentary canal and digestive glands in vertebrates • Respiratory organs: Gills and lung, air-sac in birds	13	1. Chalk and talk method 2. Group discussion 3. Problem Solving
OCTOBER	Unit II	• Endoskeleton: (a) Axial Skeleton- Skull and Vertebrae, (b) Appendicular Skeleton Limbs and girdles • Circulatory System: Evolution of heart and aortic arches	13	1. Chalk and talk method 2. Flip the class 3. Group discussion 4. Problem Solving
NOVEMBER	Unit II & III	• Urinogenital System: Kidney and excretory ducts • Nervous System: General plan of brain and spinal cord • Ear and Eye: structure and function	10	1. Chalk and talk method 2. Flip the class 3. Group discussion 4. Problem Solving
DECEMBER	Unit III & IV	• Gonads and genital ducts • Digestion and absorption of dietary components • Physiology of heart, cardiac cycle and ECG	12	1. Chalk and talk method 2. Flip the class 3. Group discussion 4. Problem Solving



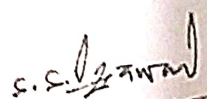
JANUARY	UNIT IV & V	• Blood Coagulation • Respiration: mechanism and control of breathing • Excretion: Physiology of excretion, osmoregulation	12	1. Chalk and talk method 2. Flip the class 3. Group discussion 4. Problem Solving
FEBRUARY	UNIT V	• Physiology of muscle contraction • Physiology of nerve impulse, Synaptic transmission		

Chandan Kumar

Signature of Teacher

Chandan Kumar

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Govt. Rewati Raman Mishra P.G. College Surajpur (C.G.)
Department of Botany

ANNUAL TEACHING-PLAN Session 2021-2022

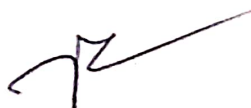
Class	: B.Sc. FIRST YEAR	
Subject	Botany	
Paper	1 st BACTERIA, VIRUSES, FUNGI, LICHENS AND ALGAE	
Name of Teacher	T. R. Rahangdale	
Designation	Assistant Professor	
Periods Per Week (Each of 40 Min)	Lecture	6 Days
	Practical	2 Days (Friday & Saturday)
Mode of Teaching	Chalk and Duster, Chalk and Talk, Q&A, Group Discussion	

S.N.	Month	Unit	Contents	No. of Lectures	Remarks
1	October 2021	I	Viruses: General characteristics, types of viruses based on structure And genetic material. Multiplication of viruses (General account), Lytic and Lysogenic cycle. Economic importance, Structure and multiplication of Bacteriophages. General account of Viroids, Virusoids, Prions and Cyanophages. Mycorrhiza Types and Significance.	20	
2	November 2021	II	Bacteria: General characteristics and classification (on the basis of morphology), fine structure of bacterial cell, Gram positive and Gram negative bacteria, mode of nutrition and reproduction vegetative, asexual and recombination (Conjugation, transformation and transduction), Economic importance. Microbial biotechnology, Rhizobium, Azotobacter, Anabena.	20	
3	December 2021	III	Fungi: General account of habit and habitat, structure (range of thallus organization), cell wall composition, nutrition and reproduction in fungi Heterothallism and Parasexuality, outlines of classification of fungi.	20	

			Economic importance of fungi. Life cycles of Saprolegnia, Albugo, Aspergillus, Peziza, Agaricus, Ustilago, Puccinia, Alternaria and Cercospora. VAM Fungi.		
4	January 2022	IV	Algae: General characters, range of thallus organization, Gaidukov Phenomenon, reproduction; life cycle patterns and economic importance, Classification, Systematic position, occurrence, structure and life cycle of following genera: Nostoc, Gloeocapsa, Volvox, Oedogonium, Vaucheria, Chara, Ectocarpus, Polysiphonia.	13	
5	January 2022	V	Lichens: General account, types, structure, nutrition, reproduction and economic importance. Mycoplasma: structure and importance. Blue Green Algae (BGA) in nitrogen economy of soil and reclamation of Ushar land. Mushroom biotechnology.	13	



Subject Teacher



Head of Department



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Govt. Rewati Raman Mishra P.G. College Surajpur (C.G.)
Department of Botany

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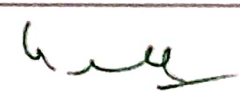
Class	: B.Sc. THIRD YEAR	
Subject	Botany	
Paper	1 st ANALYTICAL TECHNOLOGY, PLANT PATHOLOGY, EXPERIMENTAL EMBRYOLOGY, ELEMENTARY BIOSTATISTICS, ENVIRONMENTAL POLLUTION AND CONSERVATION	
Name of Teacher	T.R. Rahangdale	
Designation	Assistant Professor	
Periods Per Week (Each of 40 Min)	Lecture	6 Days
	Practical	2 Days (Friday & Saturday)
Mode of Teaching	Chalk and Duster, Chalk and Talk, Q&A, Group Discussion	

S.N.	Month	Unit	Contents	No. of Lectures	Remarks
1	October	I	Structure, principle and applications of analytical instrumentation. Chromatography technique, oven, incubator, autoclave, centrifuge, spectrophotometer.	20	
2	November	II	Plant tissue culture techniques, growth media, totipotency, protoplast culture, somatic hybrids and cybrids, micro propagation, somaclonal variations, haploid culture. Analytical techniques: Microscopy-light microscope, electron microscope.	20	
3	December	III	General principles of plant pathology, general symptoms of fun- gal, bacterial and viral diseases, mode of infection, diseases resistance and control measures, plant quarantine. A study of epidemiology and etiology of following plant diseases: rust diseases of wheat, tikka diseases of ground nut, red rot of sugarcane, bacterial blight of rice, yellow vein mosaic of bhindi, little leaf of brinjal.	20	

4	January	IV	Introduction to pollution, green house gases, ozone depletion, dissolve oxygen, B.O.D., C.O.D. biomagnification, eutrophication, acid precipitation, phytoremediation, plant indicators, biogeographical zones of India, concept of biodiversity, CBD, MAB, national parks and biodiversity, hot spots, conservation strategies, red data book, IUCN threat categories, invasive species, endemic species, concept of sustainable development.	22	
5	January	V	Elementary biostatistics: Introduction and application of biostatistics, Measure of central tendency: mean, median, mode, Measures of dispersal: standard deviation, standard error.	10	


Subject Teacher


Head of Department


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क्र.	माह	प्रथम सेमेस्टर	तृतीय सेमेस्टर
		Paper I	
1	नवम्बर 2021	परिचय, राजनीतिक सिद्धांत क्या है - राजनीतिक सिद्धांत और राजनीति में असहमति और बहस - दर्शन 1970 के बाद से गिरावट और पुनरुत्थान व्यपहार और उत्तर व्यपहार वाद	भारत में राजनीतिक दलों की रूपरेखाएँ, एतिहासिक - समाजशास्त्रीय राजनीतिक आधारिक
2	दिसम्बर 2021	राजनीतिक संदर्भ शक्ति, अविवरण और वैधता के समझना - विचारधारा और विचारधारा का अर्थ - इतिहास का अर्थ सम्प्रभुता और बहुलवाद और बहुलवाद	भारत में पार्टी सिस्टम डेमिनेट और मल्टी-पार्टी सिस्टम के लिए सिंगल पार्टी डेडोम और राज्य दल गठबंधन की राजनीति, पार्टी गठबंधन और सरकार गठन संघवाद डेडवाद और राजनीतिक दल राष्ट्रीय राजनीतिक दलों की दल दली रूपरेखा ।

3	जनवरी 2022	स्वातंत्र्य और नाग पर बहस अर्ब और नाग पर बहस - पानीन बनाम बाधुकि सहाराम स्वतंत्रता सहाराम स्वतंत्रता स्वातंत्र्य नाग डा अर्ब और सिद्धम निष्पत्ति के रूप में नाग नाग जी सामवादी और नारीवादी	शेडीय और राज्य दल उत्पत्ति और विधाय रामानिध बाबाय और नेतृत्व पैन शेडवा - युवा संरक्षण
4	फरवरी 2022	समानता और अविधाय - पर बहस अर्ब और समानता के प्रकार - अवसर की समानता (राज्य) - अविधाय का अर्ब और प्रकार अविधाय के विभिन्न संरक्षण	मरदान व्यवहार के निष्पत्ति पानि - समुदाय दिसा और नरवादी उद्योग सुनाव सुनाव और सुनाव सुनावी

2021-22 II SEM.

I

(52)

Date	Month	Week	Unit	Content	Re
			I	Classical Sociological Thinkers	
	जुलाई	I week	Unit I	अगस्ट कोम्टे	
		II week		अगस्ट कोम्टे	
		III week		इमोइल दुखीम	
		IV week		दुखीम	
	अगस्त	I week	Unit II	कार्ल मार्क्स	
		II week		कार्ल मार्क्स	
		III week		II	
		IV week		II	
	सितम्बर	I week	Unit III	मैक्स वेबर	
		II week		मैक्स वेबर	
		III week		मैक्स वेबर	
		IV week		मैक्स वेबर	
			Unit IV	मैक्स वेबर का रचना	
		I week		II	
		II week		II	
		III week		II	
		IV week		II	

II

Date	Month	Week	Unit	Content	Re
				Quantitative Research Techniques	
	जुलाई	I week	Unit I	निर्देशन	
		II week		निर्देशन के प्रकार	
		III week		निर्देशन की कमियाँ	
		IV week		II	
	अगस्त	I week	Unit II	सर्वेक्षण	
		II week		सामाजशास्त्र में निर्देशन	
		III week		सर्वेक्षण में भ्रम की प्रक्रिया	
		IV week		साक्षात्कार	
	सितम्बर	I week	Unit III	भोजन की विधियाँ	
		II week		प्रश्नावली	
		III week		अनुसूची	
		IV week		तथ्यों का वर्गीकरण	
			Unit IV	तथ्यों का सांख्यिकीय	
		I week		कम्प्यूटर का उपयोग	
		II week		मापन का पैमाना	
		III week		सामाजिक में सांख्यिकी	
		IV week		II	

III

Date	Month Week	Unit	Content	Re marks
		Unit I	Theoretical Perspectives in Sociology	
अक्टूबर	I week		सिद्धान्त एवं शोध के बीच	
	II week		समाज शास्त्रीय संबंध	
	III week		संरचनात्मक प्रकाशवाद	
	IV week		रेडिकल उड़न	
			एस. एफ. नडेल	
नवम्बर	I week	Unit II	सामाजिक संरचना	
	II week		पारसन्स मॉडल	
	III week		नवप्रकारवाद-इलेक्ट्रिक	
	IV week		— II —	
दिसम्बर	I week	Unit III	संघर्ष के सिद्धान्त	
	II week		भार डेटनडाक	
	III week		एल्कोजर	
	IV week		भार कॉलेन्स	
जनवरी	I week	Unit IV	नव मार्क्सवाद एल.	
	II week		— II —	
	III week		— II —	
	IV week		— II —	

IV

Date	Month Week	Unit	Content	Re marks
		Unit I	Political Sociology	
अक्टूबर	I week		समाज और राजनीति के बीच संबंध	
	II week		समाजशास्त्रीय परिभाषाएं राजनीति	
	III week		अधिकार और राज्य	
	IV week		— II —	
नवम्बर	I week	Unit II	सैद्धान्तिक दृष्टिकोण का राज्य	
	II week		उदारवादी बहुलतावादी व्यक्ति अभिजात	
	III week		आधुनिकतावादी मार्क्सवादी परम्परा	
	IV week		वेबर परम्परा और क्रमिकता के विचार और	
			नया राजनीति समाजशास्त्र	
दिसम्बर	I week	Unit III	प्रभाव और शक्ति के अन्तर राज्य राज्य	
	II week		प्रकृति और पदार्थ और निवेशिक	
	III week		राज्य नागरिक समाज कान्ति सीमित	
	IV week		आन्दोलन राष्ट्र समस्याएं	
जनवरी	I week	Unit IV	भारत में समाज और राज्य	
	II week		धार्मिक राष्ट्रवाद	
	III week		पितृसत्ता का अर्थ विशेषताएं एवं	
	IV week		दोष भाषा जातीयता और क्षेत्र	
			समकालीन चुनौतियाँ	

V

56

Date	Month	Week	Unit	Content	Re- mark
				Indian Rural Society	
मई	May	I	Unit-I	जनजातीय समाज और कृषक समाज	
II week				भ्रष्टाचार की समस्या समाज	
III week				जनजातीय वर्ग परिवर्तन की समस्या	
IV week				जनजातीय परिवर्तन की समस्या में भूमि	
जून	June	I	Unit-II	भूमि संस्तरण	
II week				सामाजिक मुद्दे में प्रवास	
III week				शेकरी, भूमि की समस्या	
IV week				यानि की सामाजिकता	
जुलै	July	I	Unit-III	समकालीन मुद्दे	
II week				संस्थागत संस्थागत मुद्दे	
III week				शिक्षा	
IV week				महिलाओं की परिवर्तन शैली स्थिति	
अगस्त	August	I	Unit-IV	कृषक आन्दोलन के कारण	
II week				कृषक आन्दोलन के प्रकार तथा मांग	
III week				तत्त्वज्ञान	
IV week				II	
सितम्बर	September	I	Unit-V	नक्सली आन्दोलन	
II week				समकालीन आन्दोलन	
III week				उत्पत्ति और प्रसारित क्षेत्र	
IV week				कारण	

IV SEM.

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57

Date	Month	Week	Unit	Content	Re- mark
				Modern Sociological Theories	
जुलै	July	I	Unit-I	मूल और गुनियादी अभिधारणाएँ	
II week				योगदान मीड	
III week				वैचारिक	
IV week				आलोचना	
अगस्त	August	I	Unit-II	मूल अभिधारणाएँ की घटना	
II week				अद्वय की योगदान	
III week				घटना क्रिया विज्ञान में वर्णन	
IV week				की योगदान	
सितम्बर	September	I	Unit-III	मूल तथ्यों का नृवंश विज्ञान	
II week				गारफिथ का योगदान	
III week				गोफमैन का योगदान	
IV week				आलोचना	
अक्टूबर	October	I	Unit-IV	वैचारिक सिद्धान्त का	
II week				उत्पत्ति और विकास	
III week				अडोर्नो का योगदान	
IV week				हार्मस का योगदान	
				आलोचना	