

P.R.Thakur Govt. College
 Department of History, Semester: II, IV & VI
 Session JULY, 2022-DEC, 2022 For CBCS courses
 Lesson Plan for Course: B.A. HONOURS Code: HISACOR02T. Credit: 6

- Course coordinator: Dr. Suvankar Mondal
- Course Outcome:
 1. CO1: After learning the basic ideas on historical knowledge and Indian Civilizations a student will learn about the evolution of human kind, Paleolithic and Mesolithic cultures. Food production, beginnings of animal husbandry.
 2. CO2: Learns about Bronze Age civilizations of the worlds e.g. Egypt, Mesopotamia, China etc. Learns about Slave Society and Polis in Ancient Greece.

Period	Course Topic:	Teacher	Class-hour	Remarks*
Aug – 1 st week	Evolution of humankind;	S.M	06	
Aug- 2 nd week	Food production:	S.M	06	
Aug – 3 rd week	Tutorial	S.M	02	
Aug – 4 th week	Bronze Age Civilizations	S.M	02	
Sep – 1 st week	Egypt (Old Kingdom);	S.M	04	
Sep – 2 nd week	Mesopotamia	S.M	04	
Sep – 3 rd week	China (Shang);	S.M	04	
Sep – 4 th week	Eastern Mediterranean (Minoan)	S.M	04	
Sep – 4 th week	Tutorial	S.M	02	
Nov – 1 st week	Nomadic groups in Central and West Asia;	S.M	04	
Nov – 2 nd week	Slave society in ancient Greece:	S.M	06	
Nov – 3 rd week	Polis in ancient Greece:	S.M	06	
Nov – 4 th week	Tutorial	S.M	02	

Resource:

- Books:
 - Gordon Childe, What Happened in History
 - Gordon Childe, Social Evolution
 - Supratim Das, Greeceritias
- Other Resource:

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Department of History, Semester: II, IV & VI
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Lesson Plan for Course: B.A. HONOURS Code: HISACOR05T. Credit: 6

- Course coordinator: Dr. Suvankar Mondal
- Course Outcome:
 1. CO1: From this course a student learns about the evolution of political structures. Agrarian structure and social changes especially proliferation of castes.
 2. CO2: Learns about trade and commerce and the process if urbanization. Religious and cultural developments of the said period.

Period	Course Topic:	Teacher	Class-hour	Remarks*
July- 1 st to 2 nd week	Studying Early Medieval India:	S.M	08	
July – 3 rd week	Debates on Indian feudalism,	S.M	04	
July – 4 th week	the nature of the state	S.M	06	
Aug – 1 st week	Political Structures:	S.M	06	
Aug– 2 nd week	Tutorial	S.M	02	
Aug – 3 rd week	Evolution of political structures:	S.M	06	
Aug – 4 th week	Legitimization of kingship;	S.M	04	
Sep – 2 nd week	Arab conquest of Sindh:	S.M	06	
Sep- 3 rd week	Causes and consequences of early Turkish invasions:	S.M	04	
Sep – 4 th week	Agrarian Structure and Social Change:	S.M	04	
Nov – 1 st week	Tutorial	S.M	02	
Nov– 3 rd week	Trade and Commerce:	S.M	08	
Dec-2 nd week	Religious and Cultural Developments:	S.M	10	
Dec- 3 rd week	Tutorial	S.M	04	

Resource:

- Books:
 - R.S. Sharma, Indian Feudalism (circa 300 - 1200)
 - B.D. Chattopadhyaya, The Making of Early Medieval India
 - Niharanjan Ray, BangalirItihas(in Bengali)
- Other Resource:

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Lesson Plan for Course: B.A. HONOURS Code: HISACOR06T. Credit: 6

- Course coordinator: Dr. Suvankar Mondal
- Course Outcome:
 1. CO1: After studying this course a student learns about the transition from Feudalism to Capitalism. About early Colonial expansion.
 2. CO2: About European Reformation. About emergence of European Sate System.

Period	Course Topic:	Teacher	Class-hour	Remarks*
Aug – 1 st to 3 rd week	Origins, course and results of the European Reformation in the 16th century.	S.M	10	
Aug- 4 th week	Tutorial	S.M	04	
Sep- 1 st to 2 nd week	Economic developments of the sixteenth century:	S.M	08	
Sep - 3 rd to 4 th week	Shift of economic balance from the Mediterranean to the Atlantic; Commercial Revolution;	S.M	06	
Nov – 1 st to 2 nd week	Influx of American silver and the Price Revolution.	S.M	08	
Nov– 3 rd week	Tutorial	S.M	04	
Nov – 4 th to Dec- 1 st week	Emergence of European state system: Spain; France; England; Russia.	S.M	10	
Dec– 2 nd week	Tutorial	S.M	04	

Resource:

- Books:
 - F. Rice, The Foundations of Early Modern Europe
 - The New Cambridge Modern History of Europe, Vols. I -VII.
 - Bhaskar Chakraborty, Subhashranjan Chakraborty, Kingshuk Chattopadhyay, EuroperJugantar (in Bengali)
- Other Resource:

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Lesson Plan for Course: B.A. HONOURS Code: HISACORIIT Credit: 6

- Course coordinator: Dr. Suvankar Mondal
- Course Outcome:
 1. CO1: From this course students learn about the French Revolution and its European repercussions. Napoleonic Era, his conquests, reforms and his fall.
 2. CO2: Restoration and Revolution (1815-1848). Industrialization and socio-economic transformation. First World War and its aftermath.

Period	Course Topic:	Teacher	Class-hour	Remarks*
July- 1 st to 3 rd week	The French Revolution and its European repercussions Crisis of Ancien regime	S.M	10	
July – 4 th to Aug 1 st week	Napoleon Bonaparte and the French Revolution Rise of Napoleon;	S.M	10	
Aug – 2 nd week	Tutorial	S.M	02	
Aug -3 rd week to 4 th week	Restoration and Revolution (1815-1848) Vienna Congress;	S.M	08	
Sep – 1 st to 2 nd week	Industrialization and socio economic transformation Industrial Revolution;	S.M	08	
Sep – 3 rd week	Tutorial	S.M	02	
Sep – 4 th week to Nov 1 st week	Age of Nationalism Unification of Italy and Germany	S.M	08	
Nov -2 nd week	The Eastern Question :	S.M	04	
Nov– 3 rd week	Imperial Expansion:	S.M	04	
Nov -3 rd week	Tutorial	S.M	02	
Nov– 4 th week	First World War and its aftermath:	S.M	06	
Dec – 1 st week	Tutorial	S.M	02	

Resource

- Books:
 - E.J. Hobsbawm, The Age of Revolution
 - Mason, Concise History of Modern Europe
 - Georges Lefebvre, Coming of the French Revolution
- Other Resource:

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Session JULY, 2022-DEC, 2022 For CBCS courses

Lesson Plan for Course: B.A. HONOURS Code: HISADSE01T Credit: 6

- Course coordinator: Dr. Suvankar Mondal
- Course Outcome:
 1. CO1: From this course students learn about the growth of Early European interests in South-East Asia. Pre-Colonial polity, society, economy and culture in South-East Asia.
 2. CO2: Economic impact of Colonialism Growth of Nationalism in South-East Asia.

Period	Course Topic:	Teacher	Class-hour	Remarks*
July- 1 st to 2 nd week	Historical writings on Southeast Asia in the early 20th century	S.M	10	
July – 3 rd to 4 th week	(a) Growth of early European interests in Southeast Asia: 16th to 18th centuries	S.M	10	
Aug – 1 st to 2 nd week	Establishment of the colonial regimes in the 19th century	S.M	10	
Aug – 3 rd to 4 th week	(a) Pre-colonial polity, society, economy and culture in Southeast Asia – a brief survey.	S.M	10	
Sep – 1 st to 2 nd week	(b) Colonial impact on society:	S.M	06	
Sep – 3 rd week	Tutorial	S.M	04	
Sep – 4 th to Nov 1 st week	Economic impact of colonialism:	S.M	12	
Nov– 2 nd week	Tutorial	S.M	02	
Nov – 3 rd to 4 th week	Nationalism in Indonesia: Sarekat Islam,	S.M	12	
Dec – 1 st week	Tutorial	S.M	02	

Resource:

- Books:
 - Nicholas Tarling, A Concise History of Southeast Asia
 - D.G.E. Hall, A History of South East Asia
 - G.M.T. Kahin, Government and Politics of Southeast Asia
 - J.F. Cady, Southeast Asia: Its Historical Development
- Other Resource:

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Session JULY, 2022-DEC, 2022 For CBCS courses

Lesson Plan for Course: B.A. HONOURS Code: HISSEEC01M Credit: 2

- Course coordinator: Dr. Suvankar Mondal
- Course Outcome:
 1. CO1: After successful completion of the course student learn about the preservation of documents. They came to know how archival documents being used for writing history.
 2. CO2: Student knows about different Museums about their history. Students learn about the process of preservation of the artifacts.

Period	Course Topic:	Teacher	Class-hour	Remarks*
July – 1 st to 2 nd week	Definition and history of development	S.M	10	
July– 2 nd week	Tutorial	S.M	02	
July – 3 rd week to 4 th week	Types of archives and museums:	S.M	10	
July 4 th week	Tutorial	S.M	02	
Aug – 1 st to 2 nd week	Museum Presentation and Exhibition	S.M	10	
Aug – 2 nd week	Tutorial	S.M	02	
Aug -3 rd to 4 th week	Museums, Archives and Society:	S.M		
Aug – 4 th week	Tutorial	S.M	02	

Resource:

- Books:
 - Saloni Mathur, India By Design: Colonial History and Cultural Display S. Sengupta, Experiencing History Through Archives
 - R.D. Choudhary, Museums of India and their maladies
 - O.P. Agrawal, Essentials of Conservation and Museology
- Other Resource:

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Session: JAN, 2023-JUN, 2023 For CBCS courses

Lesson Plan for Course: B.A. HONOURS Code: HISACOR04T. Credit: 6

- Course coordinator: Dr. Suvankar Mondal
- Course Outcome:
 1. CO1: students learn about Roman Republic and Roman Empire. About religion and culture in Ancient Rome.
 2. CO2: . Economic developments in Europe from seventh to fourteenth centuries and crisis of Feudalism. About societies and religious developments of the Central Islamic Lands.

Period	Course Topic:	Teacher	Class-hour	Remarks*
Jan – 1 st to 2 nd week	Roman Republic	S.M	08	
Jan – 3 rd to 4 th week	Religion and culture in ancient Rome.	S.M	08	
Feb – 1 st week	Tutorial	S.M	04	
Feb – 2 nd week to 3 rd week	Crises of the Roman Empire.	S.M	12	
Feb – 4 th week	Tutorial	S.M	04	
Mar – 1 st to 3 rd week	Economic developments in Europe	S.M	10	
Mar – 3 rd week	Tutorial	S.M	04	
Mar – 4 th to Apr 2 nd week	Religion and culture in medieval Europe	S.M	12	
Apr – 3 rd week	Tutorial	S.M	04	
Apr – 4 th to May 1 st week	Societies in Central Islamic Lands:	S.M	10	
May–2 nd week	Tutorial	S.M	04	

Resource:

- Books:
 - Perry Anderson, Passages from Antiquity to Feudalism
 - Marc Bloch, Feudal Society, 2 Vols.
 - Cambridge History of Islam, 2 Vols.
- Other Resource:

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Lesson Plan for Course: B.A. HONOURS Code: HISACOR09T. Credit: 6

- Course coordinator: Dr. Suvankar Mondal
- Course Outcome:
 1. CO1: From this course students learn about the Historiography of Mughal India. Political expansion of the Mughal rulers.
 2. CO2: Administrative and land revenue systems of the Mughals. Mughal Art, Architecture and Paintings.

Period	Course Topic:	Teacher	Class-hour	Remarks*
Jan 1 st to 3 rd week	Sources and Historiography	S.M	10	
Jan 3 rd week	Tutorial	S.M	04	
Jan 4 th to Feb 2 nd week	Establishment of Mughal rule	S.M	10	
Feb – 3 rd week	Tutorial	S.M	04	
Feb – 4 th to Mar 2 nd week	Akbar and Consolodation of Mughal Empire	S.M	10	
Mar – 3 rd week	Tutorial	S.M	04	
Mar – 4 th to Apr 2 nd week	Mughal Empire Under Aurangazeb	S.M	10	
Apr – 3 rd week	Tutorial	S.M	04	
Apr 4 th to May 1 st week	Mughal Art, Architecture & Painting	S.M	10	
May – 2 nd week	Tutorial	S.M	04	
May – 3 rd to 4 th week	Patterns of Regional Politics	S.M	10	
June – 1 st week	Tutorial	S.M	04	

Resource:

- Books:
 - A.C. Banerjee, New History of Medieval India
 - Irfan Habib, Medieval India: The Study of a Civilization
 - Irfan Habib and Tapan Roy Choudhury (ed.), Cambridge Economic History of India, Vol. I Irfan Habib, Agrarian System of the Mughals A. Nurul Hasan, Thoughts on Agrarian Relations in Mughal India
- Other Resource:

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Lesson Plan for Course: B.A. HONOURS Code: HISACOR08T. Credit: 6

- Course coordinator: Dr. Suvankar Mondal
- Course Outcome:
 1. CO1: From this course students learn about the seventeenth century European crisis. English Revolution, American Revolution and Italian Renaissance.
 2. CO2: Mercantilism and European economies in the seventeenth and eighteenth centuries. Parliamentary monarchy and patterns of European Absolutism.

Period	Course Topic:	Teacher	Class-hour	Remarks*
Jan – 1 st to 2 nd week	Mercantilism and European economics; 17th and 18th centuries.	S.M	10	
Jan 3 rd week	Tutoria	S.M	02	
Jan – 4 th to feb 1 st week	Political and economic issues in the American Revolution.	S.M	10	
Feb – 2 nd week	Tutoria	S.M	02	
Feb – 3 rd to 4 th week	Prelude to the Industrial Revolution.	S.M	10	
May– 1 st week	Tutoria	S.M	02	
May – 2 nd to 3 rd week	European politics in the 18th century:	S.M	10	
May– 4 th week	Tutoria	S.M	02	

Resource:

- Books:
 - H. Butterfield, The Origins of Modern Science
 - Carlo M. Cipolla, Fontana Economic History of Europe, Vols. II and III
 - Carlo M. Cipolla, Before the Industrial Revolution, European Society and Economy, 1000 - 1700
- Other Resource:

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Lesson Plan for Course: B.A. HONOURS Code: HISACOR13T Credit: 6

- Course coordinator: Dr. Suvankar Mondal
- Course Outcome:
 1. CO1: Reconstruction of Independent India under Nehru. Drafting of the New Constitution.
 2. CO2: Growth of Parliamentary Democracy. Shaping up of India Foreign Policy through Non-Aligned Movement.

Period	Course Topic:	Teacher	Class-hour	Remarks*
Jan 1 st to 3 rd week	The Nehru era:	S.M	10	
Jan 3 rd week	Tutorial	S.M	04	
Jan 4 th to Feb 2 nd week	Towards Independence and Emergence of the New State	S.M	10	
Feb – 3 rd week	Tutorial	S.M	04	
Feb – 4 th to Mar 2 nd week	Partition: Riots and Rehabilitation	S.M	10	
Mar – 3 rd week	Tutorial	S.M	04	
Mar – 4 th to Apr 2 nd week	Making of the Republic The Constituent Assembly	S.M	10	
Apr – 3 rd week	Tutorial	S.M	04	
Apr 4 th to May 1 st week	Indian Democracy at Work c1950- 1970s	S.M	10	
May–2 nd week	Tutorial	S.M	04	
May – 3 rd to 4 th week	Economy, Society and Culture c 1950-1970s	S.M	10	
June– 1 st week	Tutorial	S.M	04	

Resource:

- Books:
 - Ram Chandra Guha, India after Gandhi:
 - The History of the World's Largest Democracy
 - Bipan Chandra, et al. India after Independence
 - Paul Brass, The Politics of India Since Independence
- Other Resource:

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Lesson Plan for Course: B.A. HONOURS Code: HISADSE04T Credit: 6

- Course coordinator: Dr. Suvankar Mondal
- Course Outcome:
 1. CO1: From this course students learn about Pre-Colonial China. Anglo-Chinese Relations till the Opium War.
 2. CO2: Pre-Meiji Japan and Meiji-Restoration. Expansion of Japan up to the First World War.

Period	Course Topic:	Teacher	Class-hour	Remarks*
Jan 1 st to 3 rd week	Pre-colonial China	S.M	12	
Jan 3 rd week	Tutorial	S.M	04	
Jan 4 th to Feb 2 nd week	Anglo Chinese relations till the Opium War	S.M	10	
Feb – 3 rd week	Tutorial	S.M	04	
Feb – 4 th to Mar 2 nd week	Rebellion, Restoration and Nationalism	S.M	10	
Mar – 3 rd week	Tutorial	S.M	04	
Mar – 4 th to Apr 2 nd week	Pre-Meiji Japan	S.M	08	
Apr – 3 rd week	Tutorial	S.M	04	
Apr 4 th to May 1 st week	Meiji Restoration	S.M	10	
May–2 nd week	Tutorial	S.M	04	
May – 3 rd to 4 th week	Expansion of Japan up to the First World War	S.M	12	
June– 1 st week	Tutorial	S.M	04	

Resource:

- Books:
 - G.Allen, A short Economic History of Japan
 - W.G. Beasley, The Modern History of Japan
 - Backmann M.George ,The Making of the Meiji Constitution
 - H. Borton ,Japan since 1931
- Other Resource:

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Session: JAN, 2023-JUN, 2023 For CBCS courses

Lesson Plan for Course: B.A. HONOURS Code: HISSECO2M Credit: 2

- Course coordinator: Dr. Suvankar Mondal
- Course Outcome:
 1. CO1: After successful completion of the course students learn about the evolution and development of the Indian art and architecture. Art and architecture of the South India.
 2. CO2: Art and architecture of the North India. Mughal Art and architecture. Trends of the art and architecture based on the different religious ideas.

Period	Course Topic:	Teacher	Class-hour	Remarks*
Jan – 1 st to 2 nd week	Prehistoric and protohistoric art:	S.M	06	
Jan – 3 rd week	Tutorial	S.M	02	
Jan – 4 th to Feb 1 st week	Indian art (c. 600 BCE – 600 CE):	S.M	08	
Feb 2 nd week	Tutorial	S.M	02	
Feb – 3 rd to 4 th week	Indian Art (c. 600 CE – 1200 CE):	S.M	06	
Mar – 1 st week	Tutorial	S.M	02	
Mar – 2 nd to 3 rd week	Indian art and architecture (c. 1200 CE – 1800 CE):	S.M	08	
Mar – 4 th week	Tutorial	S.M	02	
Apr – 1 st to 2 nd week	Modern and Contemporary Indian art and Architecture:	S.M	06	
Apr- 3 rd week	Tutorial	S.M	02	

Resource:

- Books:
 - TapatiGuha Thakurta, The making of a new modern Indian art: Aesthetics and nationalism in Bengal, 1850-1920
 - Niharranjan Ray, An Approach to Indian Art
 - ParthaMitter, Indian Art, Oxford History of Art series
 - Parul Pandya Dhar(ed.), 2011, Indian Art History Changing Perspectives
- Other Resource:

P. R. Thakur Government College

Department of Microbiology Lesson Plan: 2021-2022

Semester I (H)							
Semester	Period of Semester	Name of Faculty	Course Code	Paper Title	Unit	No. Of Lectures (1 Hr. each)	Tentative Dates of University Exam* (*follow the latest notification by WBSU)
Semester I (H)	July to December	Sonali Saha	MCBACOR01T	Introduction to Microbiology and Microbial Diversity (Theory)	Unit 1 History of Development and scope of Microbiology	08	follow the latest notification by WBSU
					Unit 2 Microscopy: Basic principles & application	10	
					Unit 3 Diversity of Microbial World A. Systems of classification. B. General characteristics of different groups:	42	
			MCBACOR01P	Introduction to Microbiology and Microbial Diversity (Practical)			

Semester I (H)

Semester	Period of Semester	Name of Faculty	Course Code	Paper Title	Unit	No. Of Lectures (1 Hr. each)	Tentative Dates of University Exam* (*follow the latest notification by WBSU)
Semester I (H)	July to December	Sonali Saha	MCBACOR02T	Bacteriology (Theory)	Unit 1 Cell organization	18	follow the latest notification by WBSU
					Unit 2 Bacteriological techniques	06	
					Unit 3 Staining methods	06	
					Unit 4 Microbial Growth and Effect of Environment on Microbial Growth	18	
					Unit 5 Important archaeal and eubacterial groups	12	
			MCBACOR02P	Bacteriology (Practical)			

Semester II (H)							
Semester	Period of Semester	Name of Faculty	Course Code	Paper Title	Unit	No. Of Lectures (1 Hr. each)	Tentative Dates of University Exam* (*follow the latest notification by WBSU)
Semester II (H)	January to June	Sonali Saha	MCBACOR03T	Biochemistry (Theory)	Unit 1 Bioenergetics	08	follow the latest notification by WBSU
					Unit 2 Carbohydrates	12	
					Unit 3 Lipids	12	
					Unit 4 Proteins	12	
					Unit 5. Enzymes	16	
			MCBACOR03P	Biochemistry (Practical)			
			MCBACOR04T	Environmental microbiology (Theory)	Unit 1 Microorganisms and their Habitats	14	
					Unit 2 Microbial Interactions	12	
					Unit 3 Biogeochemical Cycling		
					Unit 4 Waste Management	12	
					Unit 5 Microbial Bioremediation	05	
					Unit 6 Water Portability	05	
			MCBACOR04P	Environmental microbiology (Practical)			

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Department of Microbiology

Lesson Plan: 2022-2023

Semester I (H)							
Semester	Period of Semester	Name of Faculty	Course Code	Paper Title	Unit	No. Of Lectures (1 Hr. each)	Tentative Dates of University Exam* (*follow the latest notification by WBSU)
Semester I (H)	July to December	Sonali Saha	MCBACOR01T	Introduction to Microbiology and Microbial Diversity (Theory)	Unit 1 History of Development and scope of Microbiology	08	follow the latest notification by WBSU
					Unit 2 Microscopy: Basic principles & application	10	
					Unit 3 Diversity of Microbial World A. Systems of classification. B. General characteristics of different groups:	42	
			MCBACOR01P	Introduction to Microbiology and Microbial Diversity (Practical)			

Semester I (H)

Semester	Period of Semester	Name of Faculty	Course Code	Paper Title	Unit	No. Of Lectures (1 Hr. each)	Tentative Dates of University Exam* (*follow the latest notification by WBSU)
Semester I (H)	July to December	Sonali Saha	MCBACOR02T	Bacteriology (Theory)	Unit 1 Cell organization	18	follow the latest notification by WBSU
					Unit 2 Bacteriological techniques	06	
					Unit 3 Staining methods	06	
					Unit 4 Microbial Growth and Effect of Environment on Microbial Growth	18	
					Unit 5 Important archaeal and eubacterial groups	12	
			MCBACOR02P	Bacteriology (Practical)			

Semester II (H)

Semester	Period of Semester	Name of Faculty	Course Code	Paper Title	Unit	No. Of Lectures (1 Hr. each)	Tentative Dates of University Exam* (*follow the latest notification by WBSU)		
Semester II (H)	January to June	Sonali Saha	MCBACOR03T	Biochemistry (Theory)	Unit 1 Bioenergetics	08	follow the latest notification by WBSU		
					Unit 2 Carbohydrates	12			
					Unit 3 Lipids	12			
					Unit 4 Proteins	12			
					Unit 5. Enzymes	16			
			MCBACOR03P	Biochemistry (Practical)					
			MCBACOR04T	Environmental microbiology (Theory)	Unit 1 Microorganisms and their Habitats	14			
					Unit 2 Microbial Interactions	12			
					Unit 3 Biogeochemical Cycling				
					Unit 4 Waste Management	12			
					Unit 5 Microbial Bioremediation	05			
					Unit 6 Water Portability	05			
			MCBACOR04P	Environmental microbiology (Practical)					

Semester III (H)

Semester	Period of Semester	Name of Faculty	Course Code	Paper Title	Unit	No. Of Lectures (1 Hr. each)	Tentative Dates of University Exam* (*follow the latest notification by WBSU)
Semester III (H)	July to December	Sonali Saha	MCBACOR05T	Microbial physiology and metabolism (Theory)	Unit 1 Nutrient uptake and Transport	10	follow the latest notification by WBSU
					Unit 2 Bacteriological techniques	06	
					Unit 3 Staining methods	06	
					Unit 4 Microbial Growth and Effect of Environment on Microbial Growth	18	
					Unit 5 Important archaeal and eubacterial groups	12	
			MCBACOR05P	Microbial physiology and metabolism (Practical)			

Semester III (H)

Semester	Period of Semester	Name of Faculty	Course Code	Paper Title	Unit	No. Of Lectures (1 Hr. each)	Tentative Dates of University Exam* (*follow the latest notification by WBSU)
Semester III (H)	July to December	Sonali Saha	MCBACOR06T	Cell biology(Theory)	Unit 1 Structure and organization of Eukaryotic Cell	14	follow the latest notification by WBSU
					Unit 2 Nucleus	06	
					Unit 3 Basics of Protein Sorting and Transport	12	
					Unit 4 Introduction to Cell Signalling	13	
					Unit 5 Cell Cycle	15	
			MCBACOR06P	Cell biology (Practical)			

Semester III (H)

Semester	Period of Semester	Name of Faculty	Course Code	Paper Title	Unit	No. Of Lectures (1 Hr. each)	Tentative Dates of University Exam* (*follow the latest notification by WBSU)
Semester III (H)	July to December	Sonali Saha	MCBACOR07T	Molecular biology (Theory)	Unit 1 Structures of DNA and RNA / Genetic Material	12	follow the latest notification by WBSU
					Unit 2 Replication of DNA (Prokaryotes and Eukaryotes)	10	
					Unit 3 Transcription	08	
					Unit 4 Basic concept of Post-Transcriptional Processing	08	
					Unit 5 Translation	10	
					Unit 6 Regulation of gene Expression	12	
			MCBACOR07P	Molecular biology (Practical)			

Semester III (H)

Semester	Period of Semester	Name of Faculty	Course Code	Paper Title	Unit	No. Of Lectures (1 Hr. each)	Tentative Dates of University Exam* (*follow the latest notification by WBSU)
Semester III (H)	July to December	Sonali Saha	MCBSSEC01M:	Food fermentation techniques (Theory)	Unit 1 Fermented Foods	08	follow the latest notification by WBSU
					Unit 2 Milk Based Fermented Foods	08	
					Unit 3 Grain Based Fermented Foods	04	
					Unit 4 Vegetable Based Fermented Foods	04	
					Unit 5 Fermented Meat and Fish	04	
					Unit 6 Probiotic Foods	04	

Semester IV (H)

Semester	Period of Semester	Name of Faculty	Course Code	Paper Title	Unit	No. Of Lectures (1 Hr. each)	Tentative Dates of University Exam* (*follow the latest notification by WBSU)
Semester IV (H)	January to June	Sonali Saha	MCBACOR08T	Microbial genetics (Theory)	Unit 1 Genome Organization, Mutation & DNA repair	22	follow the latest notification by WBSU
					Unit 2 Plasmids	10	
					Unit 3 Mechanisms of Genetic Exchange	20	
					Unit 4 Transposable elements	08	
			MCBACOR08P	Microbial genetics (Practical)			

Semester IV (H)

Semester	Period of Semester	Name of Faculty	Course Code	Paper Title	Unit	No. Of Lectures (1 Hr. each)	Tentative Dates of University Exam* (*follow the latest notification by WBSU)
Semester IV (H)	January to June	Sonali Saha	MCBACOR09T	Virology (Theory)	Unit 1 Nature and Properties of Viruses	12	follow the latest notification by WBSU
					Unit 2 Bacteriophages & phage genetics	10	
					Unit 3 Viral Transmission, Salient features of viral nucleic acids and Replication	22	
					Unit 4 Viruses and Cancer	06	
					Unit 5 Prevention & control of viral diseases	10	
			MCBACOR09P	Virology (Practical)			

Semester IV (H)

Semester	Period of Semester	Name of Faculty	Course Code	Paper Title	Unit	No. Of Lectures (1 Hr. each)	Tentative Dates of University Exam* (*follow the latest notification by WBSU)
Semester IV (H)	January to June	Sonali Saha	MCBACOR10T	Food & dairy microbiology(Theory)	Unit 1 Foods as a substrate for microorganisms	08	follow the latest notification by WBSU
					Unit 2 Microbial spoilage of various foods	10	
					Unit 3 Principles and methods of food preservation	12	
					Unit 4 Fermented foods	12	
					Unit 5 Food borne diseases (causative agents, foods involved, symptoms and preventive measures)	12	
					Unit 6 Food sanitation and control	06	
			MCBACOR10P	Virology (Practical)			

Semester IV (H)

Semester	Period of Semester	Name of Faculty	Course Code	Paper Title	Unit	No. Of Lectures (1 Hr. each)	Tentative Dates of University Exam* (*follow the latest notification by WBSU)
Semester IV (H)	January to June	Sonali Saha	MCBSSEC02M:	Microbiological analysis of air and water (Theory)	Unit 1 Aeromicrobiology	04	follow the latest notification by WBSU
					Unit 2 Air Sample Collection and Analysis	07	
					Unit 3 Control Measures	04	
					Unit 4 Water Microbiology	04	
					Unit 5 Microbiological Analysis of Water	07	
					Unit 6 Control Measures	04	

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: January-June 2023
 Semester -II

Paper Code: PHIACOR03T

Paper Title: Outlines of Indian Philosophy-I

Credit:6

Course coordinator: Dr. Banani Barman & Dr. Supriya Samanta

Period	Course topic	Class hour.	Teacher	Remarks
Jan_23	Basic concepts in Indian Philosophy	08	Banani Barman	
Jan_23- March_23	<i>Nastika</i> Shools i. <i>Carvaka</i> ii. <i>Jainism</i>	16	Supriya Samanta	
Feb_23	<i>Buddhism</i>	12	Banani Barman	
	Tutorial	03	Banani Barman	
2 nd week of March	1 st Internal Assessment			
April-May_23	Nyaya system Four <i>pramanas</i>	15	Supriya Samanta	
April-May_23	Vaisesika The seven categories	18	Banani Barman	
	Tutorial	03	Supriya Samanta	
Last week of May	2 nd Internal Assessment			
End of June	End Term Assessment			

Resources:

Hiriyanna-*Outlines of Indian Philosophy*

Dipak Kumar Bagchi-*Bharatiya Darshan*

J. N. Sinha-*Indian Philosophy*

Debabrata Sen-*Bharatiya Darshan*

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: January-June 2023
 Semester -II

Paper Code: PHIACOR04T

Paper Title: Western Logic-II

Credit:6

Course coordinator: Sucheta Mitra & Pritha Paul

Period	Course topic	Class hour.	Teacher	Remarks
Jan_23	Need for Quantification Theory, Singular Propositions, Quantifiers	05		
Feb- March_23	Translating traditional subject, predicate proposition into logical notion of propositional function, predicate and predicate functions, individual constant and individual variable	15	Sucheta Mitra	
April- May_23	Quantification rules and providing validity, proving invalidity for arguments involving quantifiers	20	Sucheta Mitra	
	Tutorial	05	Sucheta Mitra	
Jan_23	Induction Mill's Method and Copi's criticism	06	Pritha Paul	
Feb- March_23	Induction per simple enumeration, Analogical Inference Criteria of scientific hypothesis	10	Pritha Paul	
April- May_23	Probability	18	Pritha Paul	
2 nd week of March	1 st Internal Assessment			
Last week of May	2 nd Internal Assessment			
	* if necessary, then doubt clearing and special practice classes will be taken 1 st week of June			
End of June	End Term Assessment			

Resources:

I.M. Copi -*Introduction to Logic*

Jeffery-*Formal Logic*

Ramaprasad Das -*Jukitbijnan*

P. R. Thakur Govt. College
Department of Philosophy
Lesson plan for Course: B.A. HONOURS
Session: January-June 2023
Semester-IV

Paper Code: PHIACOR08T

Paper Title: Social and Political Philosophy-Western

Credit:6

Course coordinator: Sucheta Mitra & Dr. Supriya Samanta

Period	Course topic	Class hour.	Teacher	Remarks
Jan_23	Concept of Social Philosophy and Political Philosophy	02	Sucheta Mitra	
Jan_23	Relation and difference: Social and Political Philosophy, Sociology and Political Science	02	Sucheta Mitra	
Feb-March_23	Basic concepts: Society, Community, Association, Institution, Caste and Class, Social group	18	Sucheta Mitra	
	Tutorial	02	Sucheta Mitra	
Jan_23	The Marxist view and Gandhian view	07	Supriya Samanta	
Feb_23	Family i. The Marxist interpretation of family ii. Sex gender divide, patriarchy and feminist interpretation of family iii. The Marxist feminist debate	12	Supriya Samanta	
March_23	Political ideals: democracy and its forms	10	Supriya Samanta	
	Tutorial	02	Supriya Samanta	
1 st or 2 nd week of March	1 st Internal Assessment			
April-May_23	Socialism and its varieties Utopian, Democratic, Scientific	12	Supriya Samanta	
3 rd week of May	Separation of power	05	Supriya Samanta	
	Tutorial	03	Supriya Samanta	
Last week of May	2 nd Internal Assessment			
1 st week of June	Doubt clearing classes			
End of June	End Term Assessment			

Resources:

MacIver and Page-Society

Fredrick Engles-Origin of the Family

Shefali Moitra-Naitikata o Naribad

Samarendra Bhattacharya-*Samajdarsan o Rashtradarsan*

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: January-June 2023
 Semester-IV

Paper Code: PHIACOR09T

Paper Title: Psychology and Philosophy of Mind

Credit:6

Course coordinator: Sucheta Mitra & Pritha Paul

Period	Course topic	Class hour.	Teacher	Remarks
Jan_23	Relation between Philosophy of Mind Psychology and Philosophy of Psychology	05	Sucheta Mitra	
Jan_23	Psychology as Science	02	Sucheta Mitra	
Feb_23	Associationism-Perception and Learning Gestalt theory of perception and learning	08	Sucheta Mitra	
March_23	Methods of Psychology	08	Sucheta Mitra	
	Tutorial	02		
2 nd week of March	1 st Internal Assessment			
Jan-Feb_23	Freud's Theory-Conscious and Unconscious, Id Ego Super Ego	10	Pritha Paul	
March_23	Dualism its types	02	Pritha Paul	
March_23	General discussion on Behaviourism	04	Pritha Paul	
April-May_23	The relation between body and Mind Parallelism, Interactionism, Bundle theory, Double aspect theory, Occasionalism, Emergentist and Epiphenomenalism	16	Pritha Paul	* if necessary, then doubt clearing classes will be taken 1 st week of June
	Tutorial	04		
Last week of May	2 nd Internal Assessment			
End of June	End Term Assessment			

Resources:

Morgan- *Introduction to Psychology*

J. N. Sinha-*An Introduction to Psychology*

Ira Sengupta-*Manovidya*

P. R. Thakur Govt. College
Department of Philosophy
Lesson plan for Course: B.A. HONOURS
Session: January-June 2023
Semester-IV

Paper Code: PHIACOR10T

Paper Title: Classical Indian Text: *Tarkasamgraha*

Credit:6

Course coordinator: Banani Barman

Period	Course topic	Class hour.	Teacher	Remarks
Jan_23	Definition of <i>buddhi, smriti, karana, vyapara,</i>	15	Sucheta Mitra	
Feb_23	<i>karana and its types, anyathasiddhi</i>	15	Sucheta Mitra	
March_23	<i>Pratyksa Pramana</i>	15	Sucheta Mitra	
April-May_23	<i>Anumana, vyapti, paramarsa, pakhsata, panchavayabi Nyaya, hetvabhasa</i>	30	Sucheta Mitra	
2 nd week of March	1 st Internal Assessment			
Last week of May	2 nd Internal Assessment			
1 st week of June	* if necessary, then doubt clearing classes on <i>hetvabhasa</i> will be taken 1 st week of June			
End of June	End Term Assessment			

Resources:

Annambhatta: *Tarkasamgrha*

Narayancandra Goswami- *Tarkasamgrha*

P. R. Thakur Govt. College
Department of Philosophy
Lesson plan for Course: B.A. HONOURS
Session: Jan-June 2023
Semester: IV

Paper Code: PHISSEC02M

Paper Title: -Business Ethics

Credit:4

Course coordinator: Dr. Supriya Samanta

Period	Course topic	Class hour.	Teacher	Remarks
Feb_23	What is Business Ethics	05	Supriya Samanta	
March_23	Environmental ethics related to business	05		
April_23	Advertising ethics related to business	05		
May_23	Functions of Business Ethics	05		
	* if necessary, then doubt clearing classes will be taken 1 st week of June			
End of June	End Term Assessment			

Resources:

Arjuna Gope- Business Ethics

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: January-June 2023
 Semester: IV

Paper Code: PHIHGEC04T

Paper Title: - Ethics-Indian & Western

Credit:6

Course coordinator: Sucheta Mitra & Pritha Paul

Period	Course topic	Class hour.	Teacher	Remarks
Jan_23	Introduction to Ethics	04	Sucheta Mitra	
Feb-23	Purusarthas	04	Sucheta Mitra	
Mar_23	Karma	04	Sucheta Mitra	
April_23	Carvaka ethics, Buddhist ethics	09	Sucheta Mitra	
May_23	Jaina ethics	05	Sucheta Mitra	
Jan_23	Moral and non-moral actions	05	Pritha Paul	
Feb_23	Utilitarianism	06	Pritha Paul	
Mar_ April -23	Deontologism-with special reference to Kant	12	Pritha Paul	
May_23	Teleologism and Punishment theory	20	Pritha Paul	
Last week of May	Internal Assessment			
	* if necessary, then doubt clearing classes will be taken 1 st week of June			
End of June	End Term Assessment			

Resources:

W. Lillie-*An Introduction to Ethics*

W. Frankena- *Ethics*

J.N. Sinha- *An Introduction to Ethics*

Somnath Chakraborti- *Kathay karme Ethics*

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: January-June 2023

Semester: VI

Paper Code: PHIACOR13T

Paper Title: -Western Epistemology & Metaphysics

Credit:6

Course coordinator: Sucheta Mitra & Pritha Paul

Period	Course topic	Class hour.	Teacher	Remarks
Jan-Feb_23	Knowledge-definition components types of knowledge knowing that knowing how, knowledge by acquaintance, knowledge by description	15	Sucheta Mitra	
March-April_23	Theories of truth-correspondence theory, coherencies, pragmatism	12	Sucheta Mitra	
	Tutorial	03	Sucheta Mitra	
May_23	The problem of Induction	08	Sucheta Mitra	
Jan-Feb_23	On what there is: Realism, Idealism, Phenomenalism	15	Pritha Paul	
March-April_23	The problem of universals	10	Pritha Paul	
	Tutorial	02	Pritha Paul	
May_23	The causal principle the Entailment theory, the Regularity theory	10	Pritha Paul	* if necessary, then doubt clearing classes will be taken 1 st week of June
2 nd week of March	1 st Internal Assessment			
Last week of May	2 nd Internal Assessment			
End of June	End Term Assessment			

Resources:

A. J. Ayer -*The Problem of Knowledge*
J. Hospers -*An Introduction to Philosophical Analysis*
Rama Prasad Das-*Darshanik Jignasa*

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: January-June 2023

Semester: VI

Paper Code: PHIACOR14T

Paper Title: - Some Modern Indian Thinkers

Credit:6

Course coordinator: Dr. Banani Barman & Dr. Supriya Samanta

Period	Course topic	Class hour.	Teacher	Remarks
Jan-March_23	Vivekananda	25	Banani Barman	
April-May_23	Gandhi	20	Banani Barman	
Jan-Feb_23	Aurobindo	10	Supriya Samanta	
March-May_23	Ambedkar	10	Supriya Samanta	
	Tutorial	05	Supriya Samanta	
2 nd week of March	1 st Internal Assessment			
Last week of May	2 nd Internal Assessment			
End of June	End Term Assessment			

Resources:

B. K. Lal-*Contemporary Indian thinkers*

T.M.P. Mahadevan - *Contemporary Indian Philosophers*

Gobindacaran Ghosh-Sampratik bhartiya darsan

P. R. Thakur Govt. College
Department of Philosophy
Lesson plan for Course: B.A. HONOURS
Session: January-June 2023

Semester: VI

Paper Code: PHIADSE04T

Paper Title: -Rabindranath -*Sadhana*

Credit:6

Course coordinator: Pritha Paul & Dr. Banani Barman

Period	Course topic	Class hour.	Teacher	Remarks
Jan_23	The Relation of the Individual to the Universe	8	Pritha Paul	
Feb_23	Soul Conscious	8	Pritha Paul	
March_23	The Problem of Evil	8	Pritha Paul	
April_23	The problem of Self	8	Pritha Paul	
May_23	The Philosophy of Tagore: an overview	4	Pritha Paul	
2 nd week of March	1 st Internal Assessment			
Jan_23	Realization of Love	8	Banani Barman	
Feb_23	Realization of Action	8	Banani Barman	
March_23	Realization of Beauty	8	Banani Barman	
April_23	The Realization of the Infinite	8	Banani Barman	
Last week of May	2 nd Internal Assessment			
End of June	End Term Assessment			

Resources:

Tagore-*Sadhana*

Tagore -*The Religion of Man*

Kamalika Ray-*Sadhana*

P. R. Thakur Govt. College
Department of Philosophy
Lesson plan for Course: B.A. HONOURS
Session: January-June 2023

Semester: VI

Paper Code: PHIADSE05T

Paper Title: - Russell-*Problems of Philosophy*

Credit:6

Course coordinator: Dr. Supriya Samanta & Sucheta Mitra

Period	Course topic	Class hour.	Teacher	Remarks
Jan-March _23	Appearance and Realty	20	Supriya Samanta	
April-May_23	Knowledge by Acquaintance and Knowledge by Description	20	Supriya Samanta	
	Tutorial	05	Supriya Samanta	
Jan-March 23	On Induction	10	Sucheta Mitra	
April-May_23	The Value of Philosophy	15	Sucheta Mitra	
1 st week of March	1 st Internal Assessment			
Last week of May	2 nd Internal Assessment			
End of June	End Term Assessment			

Resources:

B. Russell-*Problems of Philosophy*

B. Russell-*History of Western Philosophy*

F. Copleston- *A History of Western Philosophy*

Samarendra Bhattacharya-Darsanik samasya

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: July-Dec 2022
 Semester-I

Paper Code: PHIACOR01T

Paper Title: History of Western Philosophy-I

Credit:6

Course coordinator: Dr. Banani Barman & Dr. Supriya Samanta

Period	Course topic	Class hour.	Teacher	Remarks
July_22	Basic concepts in Pre-Socratic Philosophy	10	Banani Barman	
July_22- August_22	Plato and Aristotle	10	Banani Barman	
Septemember_22	Medieval Western Philosophy	10	Banani Barman	
	Tutorial	03	Banani Barman	
2 nd week of September	1 st Internal Assessment			
July-August_22	Descartes	15	Supriya Samanta	
September - October_23	Spinoza	15	Banani Barman	
November_23	Leibnitz	10	Supriya Samanta	
	Tutorial	05		
Last week of November	2 nd Internal Assessment			
End of December	End Term Assessment			

Resources:

B. Russell-*History of Western Philosophy*

F. Copleston- *A History of Western Philosophy*

Samarendra Bhattacharya- *Pachatyā darsan*

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: July-Dec 2022
 Semester-I

Paper Code: PHIACOR02T

Paper Title: Western Logic-I

Credit:6

Course coordinator: Sucheta Mitra & Pritha Paul

Period	Course topic	Class hour.	Teacher	Remarks
July _22	Basic concepts-Proposition, Propositional form, Argument and Argument form, Truth functional connectives, Truth and Validity	05	Sucheta Mitra	
July-August _22	An overview of traditional laws of logic, Boolean interpretation of categorical propositions and consequences, syllogism, Venn diagram	15	Sucheta Mitra	
September _22	The method of truth table and truth tree as decision procedures	20	Sucheta Mitra	
October _22	Method of deduction: 19 Rules, I.P. and C.P.	15	Sucheta Mitra	
November _22	Invalidity by shorter Truth table method	15	Pritha Paul	
	Tutorial	10	Pritha Paul	
2 nd week of September	1 st Internal Assessment			
Last week of November	2 nd Internal Assessment			
	* if necessary, then doubt clearing and special practice classes will be taken 1 st week of December			
End of December	End Term Assessment			

Resources:

I.M. Copi -*Introduction to Logic*

Jeffery-*Formal Logic*

Ramaprasad Das-*Jukibijnan*

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: July-Dec 2022
 Semester-III

Paper Code: PHIACOR05T

Paper Title: History of Western Philosophy-II

Credit:6

Course coordinator: Sucheta Mitra & Pritha Paul

Period	Course topic	Class hour.	Teacher	Remarks
July_22	Locke	15	Sucheta Mitra	
August_22	Berkeley	15	Sucheta Mitra	
September_22	Hume	15	Sucheta Mitra	
	Tutorial	05	Sucheta Mitra	
1 st or 2 nd week of September	1 st Internal Assessment			
October – November_22	Kant	20	Pritha Paul	
3 rd week of November	Tutorial	05	Pritha Paul	
			Pritha Paul	
Last week of November	2 nd Internal Assessment			
1 st week of December	Doubt clearing classes			
End of December	End Term Assessment			

Resources:

B. Russell-*History of Western Philosophy*

F. Copleston- *A History of Western Philosophy*

Samarendra Bhattacharya- *Pachatya darsan*

P. R. Thakur Govt. College
Department of Philosophy
Lesson plan for Course: B.A. HONOURS
Session: July-Dec 2022
Semester-III

Paper Code: PHIACOR06T

Paper Title: Outlines of Indian Philosophy-II

Credit:6

Course coordinator: Dr. Supriya Samanta & Banani Barman

Period	Course topic	Class hour.	Teacher	Remarks
July-August_22	Samkhya system	12	Supriya Samanta	
September_22	Yoga system	12	Supriya Samanta	
	Tutorial	06	Supriya Samanta	
July_22	Mimamsa system	10	Banani Barman	
August_22	Advaita Vedanta: Philosophy of Sankara	10	Banani Barman	
September_22	Ramanuja	05	Banani Barman	
	Tutorial	04		
October-November	*Special discussion on different Vedantic schools	10	10	
2 nd week of September	1 st Internal Assessment			
Last week of November	2 nd Internal Assessment			
End of December	End Term Assessment			

Resources:

J.N. Sinha-*Outlines of Indian Philosophy*

S. N. Dasgupta- *Indian Philosophy-*

Hiriyanna- *Outlines of Indian Philosophy*

Dipak Bagchi-Bharatiya Darsan

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: July-Dec 2022
 Semester: III

Paper Code: PHIACOR07T

Paper Title: -Western Ethics

Credit:6

Course coordinator: Sucheta Mitra & Pritha Paul

Period	Course topic	Class hour.	Teacher	Remarks
July_22	Introduction to Ethics	08	Sucheta Mitra	
August-September_22	Different types of ethical theories	24	Sucheta Mitra	
October_22	Deontologism-with special reference to Kant	12	Pritha Paul	
November_22	Teleologism and Punishment theory	20	Pritha Paul	
	Tutorial	06	Pritha Paul	
2 nd week of September	1 st Internal Assessment			
Last week of November	2 nd Internal Assessment			
	* if necessary, then doubt clearing classes will be taken 1 st week of December			
End of December	End Term Assessment			

Resources:

W. Lillie-*An Introduction to Ethics*

W. Frankena- *Ethics*

J.N. Sinha- *An Introduction to Ethics*

Somnath Chakraborti- *Kathay karme Ethics*

P. R. Thakur Govt. College
Department of Philosophy
Lesson plan for Course: B.A. HONOURS
Session: July-Dec 2022
Semester: III

Paper Code: PHISSEC01M

Paper Title: -Media Ethics

Credit:4

Course coordinator: Dr. Supriya Samanta

Period	Course topic	Class hour.	Teacher	Remarks
July_22	What is Media Ethics	05	Supriya Samanta	
August-September_22	Role and impact of Media	05		
October_22	Media and Democracy	05		
November_22	Functions and responsibilities of Media	05		
	* if necessary, then doubt clearing classes will be taken 1 st week of December			
End of December	End Term Assessment			

Resources:

Paranjay Guha Thakurata -Media Ethics: Truth Fairness and Objectivity

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: July-Dec 2022
 Semester-III

Paper Code: PHIHGEC03T

Paper Title: Indian Epistemology and Metaphysics

Credit:6

Course coordinator: Dr. Supriya Samanta & Banani Barman

Period	Course topic	Class hour.	Teacher	Remarks
July-August_22	Carvaka system	10	Supriya Samanta	
September October-22	Nyaya system	20	Supriya Samanta	
	Tutorial	06	Supriya Samanta	
July_August-22	Vaisesika system	10	Banani Barman	
September _October22	Advaita Vedanta: Philosophy of Sankara	10	Banani Barman	
	Tutorial	04		
November	*Special discussion on different Vedantic schools	4		
Last week of November	2 nd Internal Assessment			
End of December	End Term Assessment			

Resources:

J.N. Sinha-*Outlines of Indian Philosophy*

S. N. Dasgupta- *Indian Philosophy-*

Hiriyanna- *Outlines of Indian Philosophy*

Dipak Bagchi-Bharatiya Darsan

Department of Philosophy
Lesson plan for Course: B.A. HONOURS
Session: July-December 2022

Semester: V

Paper Code: PHIACOR11T

Paper Title: Philosophy of Language (Indian and Western)

Credit:6

Course coordinator: Dr. Banani Barman & Sucheta Mitra

Period	Course topic	Class hour.	Teacher	Remarks
July-August _22	Indian Philosophy of Language: <i>Shakti</i>	15	Banani Barman	
September _22	<i>Lakshana</i>	10	Banani Barman	
September _22	<i>Veder paurasheyatva</i>	05	Banani Barman	
October _22	<i>Arthapatti and other pramanas</i>	05	Banani Barman	
November _22	<i>Pramanyavada</i>	05	Banani Barman	
July-August _22	Western Philosophy of Language: Hospers Word, Meaning	15	Sucheta Mitra	
September _22	Ambiguity	10	Sucheta Mitra	
October 21	Vagueness	05	Sucheta Mitra	
November & 1 st week of December 21	P. Alston Speech act	10	Sucheta Mitra	
1 st or 2 nd week of September	1 st Internal Assessment			
Last week of November	2 nd Internal Assessment			
2 nd week of December	Doubt clearing special classes			
End of December	End Term Assessment			

Resources:

Ramaprasad Das-Darsanik Bishleshner Vumika

Annambhatta: *Tarkasamgraha*

Hospers: An Introduction to Philosophical Analysis

P. R. Thakur Govt. College
Department of Philosophy
Lesson plan for Course: B.A. HONOURS
Session: July-December 2022

Semester: V

Paper Code: PHIACOR12T

Paper Title: Ethical and Social Philosophy of India

Credit:6

Course coordinator: Sucheta Mitra & Pritha Paul

Period	Course topic	Class hour.	Teacher	Remarks
July_22	Special features to Indian Ethics	06	Sucheta Mitra	
July-August_22	<i>Bhagavat Gita</i> <i>Karmayoga, Sthitaprajna,</i> <i>Yogaksema, Lokasamgraha</i>	16	Sucheta Mitra	
September_22	<i>Purushartha</i> <i>Carvaka-Sukhavada</i>	08	Sucheta Mitra	
October_22	<i>Dharma</i>	20	Pritha Paul	
November & 1 st week of December_22	<i>Karma</i> <i>Pancasila, Brahmavihara,</i> <i>Mahabrata, Anubrata, Ahimsa</i>	20	Pritha Paul	
1 st or 2 nd week of September	1 st Internal Assessment			
Last week of November	2 nd Internal Assessment			
2 nd week of December	Doubt clearing special classes			
End of December	End Term Assessment			

Resources:

S. K. Maitra: The Ethics of Hindus

J.N. Sinha-History of Indian Philosophy

Dipak Bagchi-*Bharatiya nitibidya*

Department of Philosophy
Lesson plan for Course: B.A. HONOURS
Session: July-December 2022

Semester: V

Paper Code: PHIADSE02T

Paper Title: Practical Ethics

Credit:6

Course coordinator: Pritha Paul & Dr. Supriya Samanta

Period	Course topic	Class hour.	Teacher	Remarks
July-August _22	Killing Killing of animals. Suicide, Euthanasia	20	Pritha Paul	
September 22	Human Rights	10	Pritha Paul	
September 22	War, Violence and Terrorism	15	Pritha Paul	
October_22	Concept of Environmental Ethics	10	Supriya Samanta	
November & 1 st week of December_22	Feminist Ethics -Justice based Ethics vs Care based Ethics, Ethics based on Empathy, Female Foeticide, Abortion	16	Supriya Samanta	
	Tutorial	04	Supriya Samanta	
1 st or 2 nd week of September	1 st Internal Assessment			
Last week of November	2 nd Internal Assessment			
2 nd week of December	Doubt clearing special classes			
End of December	End Term Assessment			

Resources:

Peter Singer-Practical Ethics

Peter Singer-Writings on an Ethical Life

Shefali Moitra-Feministic Thought

Samarendra Bhattcharya- *Vyabharik nitividyā*

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: July-December 2022

Semester: V

Paper Code: PHIADSE03T

Paper Title: - Philosophy of Religion

Credit:6

Course coordinator: Sucheta Mitra and Banani Barman

Period	Course topic	Class hour.	Teacher	Remarks
July_22	Introduction	10	Sucheta Mitra	
August_22	Difference between Spirituality and religiosity, sacred and profane, magic and religion	10	Sucheta Mitra	
September_22	Problem of evil	05	Sucheta Mitra	
October_22	Proofs for the existence of God	10	Banani Barman	
October_22	Grounds for the disbelief in God	10	Banani Barman	
November_22	Some Major Religions Hinduism, Buddhism, Christianity, Islam	20	Banani Barman	
1 st week of September	1 st Internal Assessment			
Last week of November	2 nd Internal Assessment			
1 st week of December	Doubt clearing special classes			
End of December	End Term Assessment			

Resources:

John Hick-The Philosophy of Religion

Tiwari- Comparative Religion

Edwards - The Philosophy of Religion

Dilip kumar Mohanta- Dharmadarsan

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: January-June 2022
 Semester -II

Paper Code: PHIACOR03T

Paper Title: Outlines of Indian Philosophy-I

Credit:6

Course coordinator: Dr. Banani Barman & Dr. Supriya Samanta

Period	Course topic	Class hour.	Teacher	Remarks
Jan_22	Basic concepts in Indian Philosophy	08	Banani Barman	
Jan_22- March_22	<i>Nastika</i> Shools i. <i>Carvaka</i> ii. <i>Jainism</i>	16	Supriya Samanta	
Feb_22	<i>Buddhism</i>	12	Banani Barman	
	Tutorial	03	Banani Barman	
2 nd week of March	1 st Internal Assessment			
April-May_22	Nyaya system Four <i>pramanas</i>	15	Supriya Samanta	
April-May_22	Vaisesika The seven categories	18	Banani Barman	
	Tutorial	03	Supriya Samanta	
Last week of May	2 nd Internal Assessment			
End of June	End Term Assessment			

Resources:

Hiriyanna-*Outlines of Indian Philosophy*

Dipak Kumar Bagchi-*Bharatiya Darshan*

J. N. Sinha-*Indian Philosophy*

Debabrata Sen-*Bharatiya Darshan*

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: January-June 2022
 Semester -II

Paper Code: PHIACOR04T

Paper Title: Western Logic-II

Credit:6

Course coordinator: Sucheta Mitra & Pritha Paul

Period	Course topic	Class hour.	Teacher	Remarks
Jan_22	Need for Quantification Theory, Singular Propositions, Quantifiers	05		
Feb- March_22	Translating traditional subject, predicate proposition into logical notion of propositional function, predicate and predicate functions, individual constant and individual variable	15	Sucheta Mitra	
April- May_22	Quantification rules and providing validity, proving invalidity for arguments involving quantifiers	20	Sucheta Mitra	
	Tutorial	05	Sucheta Mitra	
Jan_22	Induction Mill's Method and Copi's criticism	06	Pritha Paul	
Feb- March_22	Induction per simple enumeration, Analogical Inference Criteria of scientific hypothesis	10	Pritha Paul	
April- May_22	Probability	18	Pritha Paul	
2 nd week of March	1 st Internal Assessment			
Last week of May	2 nd Internal Assessment			
	* if necessary, then doubt clearing and special practice classes will be taken 1 st week of June			
End of June	End Term Assessment			

Resources:

I.M. Copi -*Introduction to Logic*

Jeffery-*Formal Logic*

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: January-June 2022
 Semester-IV

Paper Code: PHIACOR08T

Paper Title: Social and Political Philosophy-Western

Credit:6

Course coordinator: Sucheta Mitra & Dr. Supriya Samanta

Period	Course topic	Class hour.	Teacher	Remarks
Jan_22	Concept of Social Philosophy and Political Philosophy	02	Sucheta Mitra	
Jan_22	Relation and difference: Social and Political Philosophy, Sociology and Political Science	02	Sucheta Mitra	
Feb-March_22	Basic concepts: Society, Community, Association, Institution, Caste and Class, Social group	18	Sucheta Mitra	
	Tutorial	02	Sucheta Mitra	
Jan_22	The Marxist view and Gandhian view	07	Supriya Samanta	
Feb_22	Family i. The Marxist interpretation of family ii. Sex gender divide, patriarchy and feminist interpretation of family iii. The Marxist feminist debate	12	Supriya Samanta	
March_22	Political ideals: democracy and its forms	10	Supriya Samanta	
	Tutorial	02	Supriya Samanta	
1 st or 2 nd week of March	1 st Internal Assessment			
April-May_22	Socialism and its varieties Utopian, Democratic, Scientific	12	Supriya Samanta	
3 rd week of May	Separation of power	05	Supriya Samanta	
	Tutorial	03	Supriya Samanta	
Last week of May	2 nd Internal Assessment			
1 st week of June	Doubt clearing classes			
End of June	End Term Assessment			

Resources:

MacIver and Page-Society

Fredrick Engles-Origin of the Family

Shefali Moitra-Naitikata o Naribad

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: January-June 2022
 Semester-IV

Paper Code: PHIACOR09T

Paper Title: Psychology and Philosophy of Mind

Credit:6

Course coordinator: Sucheta Mitra & Pritha Paul

Period	Course topic	Class hour.	Teacher	Remarks
Jan_22	Relation between Philosophy of Mind Psychology and Philosophy of Psychology	05	Sucheta Mitra	
Jan_22	Psychology as Science	02	Sucheta Mitra	
Feb_22	Associationism-Perception and Learning Gestalt theory of perception and learning	08	Sucheta Mitra	
March_22	Methods of Psychology	08	Sucheta Mitra	
	Tutorial	02		
2 nd week of March	1 st Internal Assessment			
Jan-Feb_22	Freud's Theory-Conscious and Unconscious, Id Ego Super Ego	10	Pritha Paul	
March_22	Dualism its types	02	Pritha Paul	
March_22	General discussion on Behaviourism	04	Pritha Paul	
April-May_22	The relation between body and Mind Parallelism, Interactionism, Bundle theory, Double aspect theory, Occasionalism, Emergentist and Epiphenomenalism	16	Pritha Paul	* if necessary, then doubt clearing classes will be taken 1 st week of June
	Tutorial	04		
Last week of May	2 nd Internal Assessment			
End of June	End Term Assessment			

Resources:

Morgan- *Introduction to Psychology*

J. N. Sinha-*An Introduction to Psychology*

Ira Sengupta-*Manovidya*

P. R. Thakur Govt. College
Department of Philosophy
Lesson plan for Course: B.A. HONOURS
Session: January-June 2022
Semester-IV

Paper Code: PHIACOR10T

Paper Title: Classical Indian Text: *Tarkasamgraha*

Credit:6

Course coordinator: Banani Barman

Period	Course topic	Class hour.	Teacher	Remarks
Jan_22	Definition of <i>buddhi, smriti, karana, vyapara,</i>	15	Sucheta Mitra	
Feb_22	<i>karana and its types, anyathasiddhi</i>	15	Sucheta Mitra	
March_22	<i>Pratyksa Pramana</i>	15	Sucheta Mitra	
April-May_22	<i>Anumana, vyapti, paramarsa, pakhsata, panchavayabi Nyaya, hetvabhasa</i>	30	Sucheta Mitra	
2 nd week of March	1 st Internal Assessment			
Last week of May	2 nd Internal Assessment			
1 st week of June	* if necessary, then doubt clearing classes on <i>hetvabhasa</i> will be taken 1 st week of June			
End of June	End Term Assessment			

Resources:

Annambhatta: *Tarkasamgrha*

P. R. Thakur Govt. College
Department of Philosophy
Lesson plan for Course: B.A. HONOURS
Session: Jan-June 2022
Semester: IV

Paper Code: PHISSEC02M

Paper Title: -Business Ethics

Credit:4

Course coordinator: Dr. Supriya Samanta

Period	Course topic	Class hour.	Teacher	Remarks
Feb_22	What is Business Ethics	05	Supriya Samanta	
March_22	Environmental ethics related to business	05		
April_22	Advertising ethics related to business	05		
May_22	Functions of Business Ethics	05		
	* if necessary, then doubt clearing classes will be taken 1 st week of June			
End of June	End Term Assessment			

Resources:

Arjuna Gope- Business Ethics

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: January-June 2022

Semester: IV

Paper Code: PHIHGEC04T

Paper Title: - Ethics-Indian & Western

Credit:6

Course coordinator: Sucheta Mitra & Pritha Paul

Period	Course topic	Class hour.	Teacher	Remarks
Jan_22	Introduction to Ethics	04	Sucheta Mitra	
Feb-22	Purusarthas	04	Sucheta Mitra	
Mar_22	Karma	04	Sucheta Mitra	
April_22	Carvaka ethics, Buddhist ethics	09	Sucheta Mitra	
May_22	Jaina ethics	05	Sucheta Mitra	
Jan_22	Moral and non-moral actions	05	Pritha Paul	
Feb_22	Utilitarianism	06	Pritha Paul	
Mar_ April -22	Deontologism-with special reference to Kant	12	Pritha Paul	
May_22	Teleologism and Punishment theory	20	Pritha Paul	
Last week of June	Internal Assessment			
	* if necessary, then doubt clearing classes will be taken 1 st week of June			
End of June	End Term Assessment			

Resources:

W. Lillie-*An Introduction to Ethics*

W. Frankena- *Ethics*

J.N. Sinha- *An Introduction to Ethics*

Somnath Chakraborti- *Kathay karme Ethics*

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: January-June 2022

Semester: VI

Paper Code: PHIACOR13T

Paper Title: -Western Epistemology & Metaphysics

Credit:6

Course coordinator: Sucheta Mitra & Pritha Paul

Period	Course topic	Class hour.	Teacher	Remarks
Jan-Feb_22	Knowledge-definition components types of knowledge knowing that knowing how, knowledge by acquaintance, knowledge by description	15	Sucheta Mitra	
March-April_22	Theories of truth-correspondence theory, coherencies, pragmatism	12	Sucheta Mitra	
	Tutorial	03	Sucheta Mitra	
May_22	The problem of Induction	08	Sucheta Mitra	
Jan-Feb_22	On what there is: Realism, Idealism, Phenomenalism	15	Pritha Paul	
March-April_22	The problem of universals	10	Pritha Paul	
	Tutorial	02	Pritha Paul	
May_22	The causal principle the Entailment theory, the Regularity theory	10	Pritha Paul	* if necessary, then doubt clearing classes will be taken 1 st week of June
2 nd week of March	1 st Internal Assessment			
Last week of May	2 nd Internal Assessment			
End of June	End Term Assessment			

Resources:

A. J. Ayer -*The Problem of Knowledge*
J. Hospers -*An Introduction to Philosophical Analysis*
Rama Prasad Das-*Darshanik Jignasa*

P. R. Thakur Govt. College
Department of Philosophy
Lesson plan for Course: B.A. HONOURS
Session: January-June 2022

Semester: VI

Paper Code: PHIACOR14T

Paper Title: - Some Modern Indian Thinkers

Credit:6

Course coordinator: Dr. Banani Barman & Dr. Supriya Samanta

Period	Course topic	Class hour.	Teacher	Remarks
Jan-March_22	Vivekananda	25	Banani Barman	
April-May_22	Gandhi	20	Banani Barman	
Jan-Feb_22	Aurobindo	10	Supriya Samanta	
March-May_22	Ambedkar	10	Supriya Samanta	
	Tutorial	05	Supriya Samanta	
2 nd week of March	1 st Internal Assessment			
Last week of May	2 nd Internal Assessment			
End of June	End Term Assessment			

Resources:

B. K. Lal-*Contemporary Indian thinkers*

T.M.P. Mahadevan - *Contemporary Indian Philosophers*

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: January-June 2022

Semester: VI

Paper Code: PHIADSE04T

Paper Title: -Rabindranath -*Sadhana*

Credit:6

Course coordinator: Pritha Paul & Dr. Banani Barman

Period	Course topic	Class hour.	Teacher	Remarks
Jan_22	The Relation of the Individual to the Universe	8	Pritha Paul	
Feb_22	Soul Conscious	8	Pritha Paul	
March_22	The Problem of Evil	8	Pritha Paul	
April_22	The problem of Self	8	Pritha Paul	
May_22	The Philosophy of Tagore: an overview	4	Pritha Paul	
2 nd week of March	1 st Internal Assessment			
Jan_22	Realization of Love	8	Banani Barman	
Feb_22	Realization of Action	8	Banani Barman	
March_22	Realization of Beauty	8	Banani Barman	
April_22	The Realization of the Infinite	8	Banani Barman	
Last week of May	2 nd Internal Assessment			
End of June	End Term Assessment			

Resources:

Tagore-*Sadhana*

Tagore -*The Religion of Man*

P. R. Thakur Govt. College
Department of Philosophy
Lesson plan for Course: B.A. HONOURS
Session: January-June 2022

Semester: VI

Paper Code: PHIADSE05T

Paper Title: - Russell-*Problems of Philosophy*

Credit:6

Course coordinator: Dr. Supriya Samanta & Sucheta Mitra

Period	Course topic	Class hour.	Teacher	Remarks
Jan-March _22	Appearance and Realty	20	Supriya Samanta	
April-May_22	Knowledge by Acquaintance and Knowledge by Description	20	Supriya Samanta	
	Tutorial	05	Supriya Samanta	
Jan-March _22	On Induction	10	Sucheta Mitra	
April-May _22	The Value of Philosophy	15	Sucheta Mitra	
1 st week of March	1 st Internal Assessment			
Last week of May	2 nd Internal Assessment			
End of June	End Term Assessment			

Resources:

B. Russell-*Problems of Philosophy*

B. Russell-*History of Western Philosophy*

F. Copleston- *A History of Western Philosophy*

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: July-Dec 2021
 Semester-I

Paper Code: PHIACOR01T

Paper Title: History of Western Philosophy-I

Credit:6

Course coordinator: Dr. Banani Barman & Dr. Supriya Samanta

Period	Course topic	Class hour.	Teacher	Remarks
July_21	Basic concepts in Pre-Socratic Philosophy	10	Banani Barman	
July_21- August_21	Plato and Aristotle	10	Banani Barman	
Septemember_21	Medieval Western Philosophy	10	Banani Barman	
	Tutorial	03	Banani Barman	
2 nd week of September	1 st Internal Assessment			
July-August_21	Descartes	15	Supriya Samanta	
September - October_21	Spinoza	15	Banani Barman	
November_21	Leibnitz	10	Supriya Samanta	
	Tutorial	05		
Last week of November	2 nd Internal Assessment			
End of December	End Term Assessment			

Resources:

B. Russell-*History of Western Philosophy*

F. Copleston- *A History of Western Philosophy*

Samarendra Bhattacharya-*Pachaty Darsaner Ruparekha*

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: July-Dec 2021
 Semester-I

Paper Code: PHIACOR02T

Paper Title: Western Logic-I

Credit:6

Course coordinator: Sucheta Mitra & Pritha Paul

Period	Course topic	Class hour.	Teacher	Remarks
July _21	Basic concepts-Proposition, Propositional form, Argument and Argument form, Truth functional connectives, Truth and Validity	05	Sucheta Mitra	
July-August _21	An overview of traditional laws of logic, Boolean interpretation of categorical propositions and consequences, syllogism, Venn diagram	15	Sucheta Mitra	
September _21	The method of truth table and truth tree as decision procedures	20	Sucheta Mitra	
October _21	Method of deduction: 19 Rules, I.P. and C.P.	15	Sucheta Mitra	
November _21	Invalidity by shorter Truth table method	15	Pritha Paul	
	Tutorial	10	Pritha Paul	
2 nd week of September	1 st Internal Assessment			
Last week of November	2 nd Internal Assessment			
	* if necessary, then doubt clearing and special practice classes will be taken 1 st week of December			
End of December	End Term Assessment			

Resources:

I.M. Copi -*Introduction to Logic*

Jeffery-*Formal Logic*

Ramaprasad Das-Pachaty Yukibinjan

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: July-Dec 2021
 Semester-III

Paper Code: PHIACOR05T

Paper Title: History of Western Philosophy-II

Credit:6

Course coordinator: Sucheta Mitra & Pritha Paul

Period	Course topic	Class hour.	Teacher	Remarks
July_21	Locke	15	Sucheta Mitra	
August_21	Berkeley	15	Sucheta Mitra	
September_21	Hume	15	Sucheta Mitra	
	Tutorial	05	Sucheta Mitra	
1 st or 2 nd week of September	1 st Internal Assessment			
October – November_21	Kant	20	Pritha Paul	
3 rd week of November	Tutorial	05	Pritha Paul	
			Pritha Paul	
Last week of November	2 nd Internal Assessment			
1 st week of December	Doubt clearing classes			
End of December	End Term Assessment			

Resources:

B. Russell-*History of Western Philosophy*

F. Copleston- *A History of Western Philosophy*

Samarendra Bhattacharya-*Pachaty Darsaner Ruparekha*

P. R. Thakur Govt. College
Department of Philosophy
Lesson plan for Course: B.A. HONOURS
Session: July-Dec 2021
Semester-III

Paper Code: PHIACOR06T

Paper Title: Outlines of Indian Philosophy-II

Credit:6

Course coordinator: Dr. Supriya Samanta & Banani Barman

Period	Course topic	Class hour.	Teacher	Remarks
July-August_21	Samkhya system	12	Supriya Samanta	
September_21	Yoga system	12	Supriya Samanta	
	Tutorial	06	Supriya Samanta	
July_21	Mimamsa system	10	Banani Barman	
August_21	Advaita Vedanta: Philosophy of Sankara	10	Banani Barman	
September_2	Ramanuja	05	Banani Barman	
	Tutorial	04		
October-November	*Special discussion on different Vedantic schools	10	10	
2 nd week of September	1 st Internal Assessment			
Last week of November	2 nd Internal Assessment			
End of December	End Term Assessment			

Resources:

J.N. Sinha-*Outlines of Indian Philosophy*

S. N. Dasgupta- *Indian Philosophy-*

Hiriyanna- *Outlines of Indian Philosophy*

Dipak kumar Bagchi-Bharatiya Darshan

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: July-Dec 2021
 Semester: III

Paper Code: PHIACOR07T

Paper Title: -Western Ethics

Credit:6

Course coordinator: Sucheta Mitra & Pritha Paul

Period	Course topic	Class hour.	Teacher	Remarks
July_21	Introduction to Ethics	08	Sucheta Mitra	
August-September_21	Different types of ethical theories	24	Sucheta Mitra	
October_21	Deontologism-with special reference to Kant	12	Pritha Paul	
November_21	Teleologism and Punishment theory	20	Pritha Paul	
	Tutorial	06	Pritha Paul	
2 nd week of September	1 st Internal Assessment			
Last week of November	2 nd Internal Assessment			
	* if necessary, then doubt clearing classes will be taken 1 st week of December			
End of December	End Term Assessment			

Resources:

W. Lillie-*An Introduction to Ethics*

W. Frankena- *Ethics*

J.N. Sinha- *An Introduction to Ethics*

Samarendra Bhattacharya-Pachatya Nitividya

P. R. Thakur Govt. College
Department of Philosophy
Lesson plan for Course: B.A. HONOURS
Session: July-Dec 2021
Semester: III

Paper Code: PHISSEC01M

Paper Title: -Media Ethics

Credit:4

Course coordinator: Dr. Supriya Samanta

Period	Course topic	Class hour.	Teacher	Remarks
July_21	What is Media Ethics	05	Supriya Samanta	
August-September_21	Role and impact of Media	05		
October_21	Media and Democracy	05		
November_21	Functions and responsibilities of Media	05		
	* if necessary, then doubt clearing classes will be taken 1 st week of December			
End of December	End Term Assessment			

Resources:

Paranjay Guha Thakurata -Media Ethics: Truth Fairness and Objectivity

P. R. Thakur Govt. College
Department of Philosophy
Lesson plan for Course: B.A. HONOURS
Session: July-December 2021
Semester-III

Paper Code: PHIHGEC03T

Paper Title: Indian Epistemology and Metaphysics

Credit:6

Course coordinator: Dr. Supriya Samanta & Banani Barman

Period	Course topic	Class hour.	Teacher	Remarks
July-August_21	Carvaka system	10	Supriya Samanta	
September _October-21	Nyaya system	20	Supriya Samanta	
	Tutorial	06	Supriya Samanta	
July_August-21	Vaisesika system	10	Banani Barman	
September October21	Advaita Vedanta: Philosophy of Sankara	10	Banani Barman	
	Tutorial	04		
November	*Special discussion on different Vedantic schools	4		
Last week of November	2 nd Internal Assessment			
End December	End Term Assessment			

Resources:

J.N. Sinha-*Outlines of Indian Philosophy*

S. N. Dasgupta- *Indian Philosophy-*

Hiriyanna- *Outlines of Indian Philosophy*

Dipak Bagchi-Bharatiya Darsan

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: July-December 2021

Semester: V

Paper Code: PHIADSE02T

Paper Title: Practical Ethics

Credit:6

Course coordinator: Pritha Paul & Dr. Supriya Samanta

Period	Course topic	Class hour.	Teacher	Remarks
July-August _21	Killing Killing of animals. Suicide, Euthanasia	20	Pritha Paul	
September 21	Human Rights	10	Pritha Paul	
September 21	War, Violence and Terrorism	15	Pritha Paul	
October 21	Concept of Environmental Ethics	10	Supriya Samanta	
November & 1 st week of December 21	Feminist Ethics -Justice based Ethics vs Care based Ethics, Ethics based on Empathy, Female Foeticide, Abortion	16	Supriya Samanta	
	Tutorial	04	Supriya Samanta	
1 st or 2 nd week of September	1 st Internal Assessment			
Last week of November	2 nd Internal Assessment			
2 nd week of December	Doubt clearing special classes			
End of December	End Term Assessment			

Resources:

Peter Singer-Practical Ethics

Peter Singer-Writings on an Ethical Life

Shefali Moitra-Feministic Thought

Samarendra Bhattacharya-Vyvaharik Nitividya

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: July-December 2021

Semester: V

Paper Code: PHIADSE03T

Paper Title: - Philosophy of Religion

Credit:6

Course coordinator: Sucheta Mitra and Banani Barman

Period	Course topic	Class hour.	Teacher	Remarks
July_21	Introduction	10	Sucheta Mitra	
August_21	Difference between Spirituality and religiosity, sacred and profane, magic and religion	10	Sucheta Mitra	
September_21	Problem of evil	05	Sucheta Mitra	
October_21	Proofs for the existence of God	10	Banani Barman	
October_21	Grounds for the disbelief in God	10	Banani Barman	
November_21	Some Major Religions Hinduism, Buddhism, Christianity, Islam	20	Banani Barman	
1 st week of September	1 st Internal Assessment			
Last week of November	2 nd Internal Assessment			
1 st week of December	Doubt clearing special classes			
End of December	End Term Assessment			

Resources:

John Hick-The Philosophy of Religion

Tiwari- Comparative Religion

Edwards - The Philosophy of Religion

Dilip kumar Mohanta-Dharmadarsaner Mulsamasya

P. R. Thakur Govt. College
Department of Philosophy
Lesson plan for Course: B.A. HONOURS
Session: July-December 2021

Semester: V

Paper Code: PHIACOR11T

Paper Title: Philosophy of Language (Indian and Western)

Credit:6

Course coordinator: Dr. Banani Barman & Sucheta Mitra

Period	Course topic	Class hour.	Teacher	Remarks
July-August _21	Indian Philosophy of Language: <i>Shakti</i>	15	Banani Barman	
September _21	<i>Lakshana</i>	10	Banani Barman	
September_21	<i>Veder paurasheyatva</i>	05	Banani Barman	
October_21	<i>Arthapatti and other pramanas</i>	05	Banani Barman	
November_21	<i>Pramanyavada</i>	05	Banani Barman	
July-August _21	Western Philosophy of Language: Hospers Word, Meaning	15	Sucheta Mitra	
September_21	Ambiguity	10	Sucheta Mitra	
October_21	Vagueness	05	Sucheta Mitra	
November & 1 st week of December 21	P. Alston Speech act	10	Sucheta Mitra	
1 st or 2 nd week of September	1 st Internal Assessment			
Last week of November	2 nd Internal Assessment			
2 nd week of December	Doubt clearing special classes			
End of December	End Term Assessment			

Resources:

Samarendra Bhattacharya-Darshanik Bishleshaner Vumika

Annambhatta: *Tarkasamgraha*

Hospers: An Introduction to Philosophical Analysis

Narayan Chandra Goswami- *Tarkasamgraha*

P. R. Thakur Govt. College
Department of Philosophy
Lesson plan for Course: B.A. HONOURS
Session: July-December 2021

Semester: V

Paper Code: PHIACOR12T

Paper Title: Ethical and Social Philosophy of India

Credit:6

Course coordinator: Sucheta Mitra & Pritha Paul

Period	Course topic	Class hour.	Teacher	Remarks
July_21	Special features to Indian Ethics	06	Sucheta Mitra	
July-August _21	<i>Bhagavat Gita</i> <i>Karmayoga, Sthitaprajna,</i> <i>Yogaksema, Lokasamgraha</i>	16	Sucheta Mitra	
September_21	<i>Purushartha</i> <i>Carvaka-Sukhavada</i>	08	Sucheta Mitra	
October_21	<i>Dharma</i>	20	Pritha Paul	
November & 1 st week of December 21	<i>Karma</i> <i>Pancasila, Brahmavihara,</i> <i>Mahabrata, Anubrata, Ahimsa</i>	20	Pritha Paul	
1 st or 2 nd week of September	1 st Internal Assessment			
Last week of November	2 nd Internal Assessment			
2 nd week of December	Doubt clearing special classes			
End of December	End Term Assessment			

Resources:

S. K. Maitra: The Ethics of Hindus

J.N. Sinha-History of Indian Philosophy

Dipak kumar Bagchi-Bharatiya Nitividya

P. R. Thakur Govt. College
Department of Philosophy
Lesson plan for Course: B.A. HONOURS
Session: January-June 2021
Semester -II

Paper Code: PHIACOR03T

Paper Title: Outlines of Indian Philosophy-I

Credit:6

Course coordinator: Dr. Banani Barman & Dr. Supriya Samanta

Period	Course topic	Class hour.	Teacher	Remarks
Jan_21	Basic concepts in Indian Philosophy	08	Banani Barman	
Jan_21- March_21	<i>Nastika</i> Shools i. <i>Carvaka</i> ii. <i>Jainism</i>	16	Supriya Samanta	
Feb_21	<i>Buddhism</i>	12	Banani Barman	
	Tutorial	03	Banani Barman	
2 nd week of March	1 st Internal Assessment			
April-May_21	Nyaya system Four <i>pramanas</i>	15	Supriya Samanta	
April-May_21	Vaisesika The seven categories	18	Banani Barman	
	Tutorial	03	Supriya Samanta	
Last week of May	2 nd Internal Assessment			
End of June	End Term Assessment			

Resources:

Hiriyanna-*Outlines of Indian Philosophy*

Dipak Kumar Bagchi-*Bharatiya Darshan*

J. N. Sinha-*Indian Philosophy*

Debabrata Sen-*Bharatiya Darshan*

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: January-June 2021
 Semester -II

Paper Code: PHIACOR04T

Paper Title: Western Logic-II

Credit:6

Course coordinator: Sucheta Mitra & Pritha Paul

Period	Course topic	Class hour.	Teacher	Remarks
Jan_21	Need for Quantification Theory, Singular Propositions, Quantifiers	05		
Feb- March_21	Translating traditional subject, predicate proposition into logical notion of propositional function, predicate and predicate functions, individual constant and individual variable	15	Sucheta Mitra	
April- May_21	Quantification rules and providing validity, proving invalidity for arguments involving quantifiers	20	Sucheta Mitra	
	Tutorial	05	Sucheta Mitra	
Jan_21	Induction Mill's Method and Copi's criticism	06	Pritha Paul	
Feb- March_21	Induction per simple enumeration, Analogical Inference Criteria of scientific hypothesis	10	Pritha Paul	
April- May_21	Probability	18	Pritha Paul	
2 nd week of March	1 st Internal Assessment			
Last week of May	2 nd Internal Assessment			
	* if necessary, then doubt clearing and special practice classes will be taken 1 st week of June			
End of June	End Term Assessment			

Resources:

I.M. Copi -*Introduction to Logic*

Jeffery-*Formal Logic*

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: January-June 2021
 Semester-IV

Paper Code: PHIACOR08T

Paper Title: Social and Political Philosophy-Western

Credit:6

Course coordinator: Sucheta Mitra & Dr. Supriya Samanta

Period	Course topic	Class hour.	Teacher	Remarks
Jan_21	Concept of Social Philosophy and Political Philosophy	02	Sucheta Mitra	
Jan_21	Relation and difference: Social and Political Philosophy, Sociology and Political Science	02	Sucheta Mitra	
Feb-March_21	Basic concepts: Society, Community, Association, Institution, Caste and Class, Social group	18	Sucheta Mitra	
	Tutorial	02	Sucheta Mitra	
Jan_21	The Marxist view and Gandhian view	07	Supriya Samanta	
Feb_21	Family i. The Marxist interpretation of family ii. Sex gender divide, patriarchy and feminist interpretation of family iii. The Marxist feminist debate	12	Supriya Samanta	
March_21	Political ideals: democracy and its forms	10	Supriya Samanta	
	Tutorial	02	Supriya Samanta	
1 st or 2 nd week of March	1 st Internal Assessment			
April-May_21	Socialism and its varieties Utopian, Democratic, Scientific	12	Supriya Samanta	
3 rd week of May	Separation of power	05	Supriya Samanta	
	Tutorial	03	Supriya Samanta	
Last week of May	2 nd Internal Assessment			
1 st week of June	Doubt clearing classes			
End of June	End Term Assessment			

Resources:

MacIver and Page-Society

Fredrick Engles-Origin of the Family

Shefali Moitra-Naitikata o Naribad

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: January-June 2021
 Semester-IV

Paper Code: PHIACOR09T

Paper Title: Psychology and Philosophy of Mind

Credit:6

Course coordinator: Sucheta Mitra & Pritha Paul

Period	Course topic	Class hour.	Teacher	Remarks
Jan_21	Relation between Philosophy of Mind Psychology and Philosophy of Psychology	05	Sucheta Mitra	
Jan_21	Psychology as Science	02	Sucheta Mitra	
Feb_21	Associationism-Perception and Learning Gestalt theory of perception and learning	08	Sucheta Mitra	
March_21	Methods of Psychology	08	Sucheta Mitra	
	Tutorial	02		
2 nd week of March	1 st Internal Assessment			
Jan-Feb_21	Freud's Theory-Conscious and Unconscious, Id Ego Super Ego	10	Pritha Paul	
March_21	Dualism its types	02	Pritha Paul	
March_21	General discussion on Behaviourism	04	Pritha Paul	
April-May_21	The relation between body and Mind Parallelism, Interactionism, Bundle theory, Double aspect theory, Occasionalism, Emergentist and Epiphenomenalism	16	Pritha Paul	* if necessary, then doubt clearing classes will be taken 1 st week of June
	Tutorial	04		
Last week of May	2 nd Internal Assessment			
End of June	End Term Assessment			

Resources:

Morgan- *Introduction to Psychology*

J. N. Sinha-*An Introduction to Psychology*

Ira Sengupta-*Manovidya*

P. R. Thakur Govt. College
Department of Philosophy
Lesson plan for Course: B.A. HONOURS
Session: January-June 2021
Semester-IV

Paper Code: PHIACOR10T

Paper Title: Classical Indian Text: *Tarkasamgraha*

Credit:6

Course coordinator: Banani Barman

Period	Course topic	Class hour.	Teacher	Remarks
Jan_21	Definition of <i>buddhi, smriti, karana, vyapara,</i>	15	Sucheta Mitra	
Feb_21	<i>karana and its types, anyathasiddhi</i>	15	Sucheta Mitra	
March_21	<i>Pratyksa Pramana</i>	15	Sucheta Mitra	
April-May_21	<i>Anumana, vyapti, paramarsa, pakhsata, panchavayabi Nyaya, hetvabhasa</i>	30	Sucheta Mitra	
2 nd week of March	1 st Internal Assessment			
Last week of May	2 nd Internal Assessment			
1 st week of June	* if necessary, then doubt clearing classes on <i>hetvabhasa</i> will be taken 1 st week of June			
End of June	End Term Assessment			

Resources:

Annambhatta: *Tarkasamgrha*

P. R. Thakur Govt. College
Department of Philosophy
Lesson plan for Course: B.A. HONOURS
Session: Jan-June 2021
Semester: IV

Paper Code: PHISSEC02M

Paper Title: -Business Ethics

Credit:4

Course coordinator: Dr. Supriya Samanta

Period	Course topic	Class hour.	Teacher	Remarks
Feb_21	What is Business Ethics	05	Supriya Samanta	
March_21	Environmental ethics related to business	05		
April_21	Advertising ethics related to business	05		
May_21	Functions of Business Ethics	05		
	* if necessary, then doubt clearing classes will be taken 1 st week of June			
End of June	End Term Assessment			

Resources:

Arjuna Gope- Business Ethics

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: January-June 2021
 Semester: IV

Paper Code: PHIHGEC04T

Paper Title: - Ethics-Indian & Western

Credit:6

Course coordinator: Sucheta Mitra & Pritha Paul

Period	Course topic	Class hour.	Teacher	Remarks
Jan_21	Introduction to Ethics	04	Sucheta Mitra	
Feb-21	Purusarthas	04	Sucheta Mitra	
March_21	Karma	04	Sucheta Mitra	
April_21	Carvaka ethics, Buddhist ethics	09	Sucheta Mitra	
May_21	Jaina ethics	05	Sucheta Mitra	
Jan_21	Moral and non-moral actions	05	Pritha Paul	
Feb_21	Utilitarianism	06	Pritha Paul	
March_ April - 21	Deontologism-with special reference to Kant	12	Pritha Paul	
May_21	Teleologism and Punishment theory	20	Pritha Paul	
Last week of May	Internal Assessment			
	* if necessary, then doubt clearing classes will be taken 1 st week of June			
End of June	End Term Assessment			

Resources:

W. Lillie-*An Introduction to Ethics*

W. Frankena- *Ethics*

J.N. Sinha- *An Introduction to Ethics*

Somnath Chakraborti- *Kathay karme Ethics*

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: January-June 2021

Semester: VI

Paper Code: PHIACOR13T

Paper Title: -Western Epistemology & Metaphysics

Credit:6

Course coordinator: Sucheta Mitra & Pritha Paul

Period	Course topic	Class hour.	Teacher	Remarks
Jan-Feb_21	Knowledge-definition components types of knowledge knowing that knowing how, knowledge by acquaintance, knowledge by description	15	Sucheta Mitra	
March-April_21	Theories of truth-correspondence theory, coherencies, pragmatism	12	Sucheta Mitra	
	Tutorial	03	Sucheta Mitra	
May_21	The problem of Induction	08	Sucheta Mitra	
Jan-Feb_21	On what there is: Realism, Idealism, Phenomenalism	15	Pritha Paul	
March-April_21	The problem of universals	10	Pritha Paul	
	Tutorial	02	Pritha Paul	
May_21	The causal principle the Entailment theory, the Regularity theory	10	Pritha Paul	* if necessary, then doubt clearing classes will be taken 1 st week of June
2 nd week of March	1 st Internal Assessment			
Last week of May	2 nd Internal Assessment			

End of June	End Term Assessment
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Resources:

A. J. Ayer -*The Problem of Knowledge*

J. Hospers -*An Introduction to Philosophical Analysis*

Rama Prasad Das-*Darshanik Jignasa*

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: January-June 2021

Semester: VI

Paper Code: PHIACOR14T

Paper Title: - Some Modern Indian Thinkers

Credit:6

Course coordinator: Dr. Banani Barman & Dr. Supriya Samanta

Period	Course topic	Class hour.	Teacher	Remarks
Jan-March_21	Vivekananda	25	Banani Barman	
April-May_21	Gandhi	20	Banani Barman	
Jan-Feb_21	Aurobindo	10	Supriya Samanta	
March-May_21	Ambedkar	10	Supriya Samanta	
	Tutorial	05	Supriya Samanta	
2 nd week of March	1 st Internal Assessment			
Last week of May	2 nd Internal Assessment			
End of June	End Term Assessment			

Resources:

B. K. Lal-*Contemporary Indian thinkers*

T.M.P. Mahadevan - *Contemporary Indian Philosophers*

P. R. Thakur Govt. College
Department of Philosophy
Lesson plan for Course: B.A. HONOURS
Session: January-June 2021

Semester: VI

Paper Code: PHIADSE04T

Paper Title: -Rabindranath -*Sadhana*

Credit:6

Course coordinator: Pritha Paul & Dr. Banani Barman

Period	Course topic	Class hour.	Teacher	Remarks
Jan_21	The Relation of the Individual to the Universe	8	Pritha Paul	
Feb_21	Soul Conscious	8	Pritha Paul	
March_21	The Problem of Evil	8	Pritha Paul	
April_21	The problem of Self	8	Pritha Paul	
May_21	The Philosophy of Tagore: an overview	4	Pritha Paul	
2 nd week of March	1 st Internal Assessment			
Jan_21	Realization of Love	8	Banani Barman	
Feb_21	Realization of Action	8	Banani Barman	
March_21	Realization of Beauty	8	Banani Barman	
April_21	The Realization of the Infinite	8	Banani Barman	
Last week of May	2 nd Internal Assessment			
End of June	End Term Assessment			

Resources:

Tagore-*Sadhana*

Tagore -*The Religion of Man*

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: January-June 2021

Semester: VI

Paper Code: PHIADSE05T

Paper Title: - Russell-*Problems of Philosophy*

Credit:6

Course coordinator: Dr. Supriya Samanta & Sucheta Mitra

Period	Course topic	Class hour.	Teacher	Remarks
Jan-March_21	Appearance and Realty	20	Supriya Samanta	
April-May_21	Knowledge by Acquaintance and Knowledge by Description	20	Supriya Samanta	
	Tutorial	05	Supriya Samanta	
Jan-March_21	On Induction	10	Sucheta Mitra	
April-May_21	The Value of Philosophy	15	Sucheta Mitra	
1 st week of March	1 st Internal Assessment			
Last week of May	2 nd Internal Assessment			
End of June	End Term Assessment			

Resources:

B. Russell-*Problems of Philosophy*

B. Russell-*History of Western Philosophy*

F. Copleston- *A History of Western Philosophy*

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: July-Dec 2020
 Semester-I

Paper Code: PHIACOR01T

Paper Title: History of Western Philosophy-I

Credit:6

Course coordinator: Dr. Banani Barman & Dr. Supriya Samanta

Period	Course topic	Class hour.	Teacher	Remarks
July_20	Basic concepts in Pre-Socratic Philosophy	10	Banani Barman	
July_20- August_20	Plato and Aristotle	10	Banani Barman	
Septemember_20	Medieval Western Philosophy	10	Banani Barman	
	Tutorial	03	Banani Barman	
2 nd week of September	1 st Internal Assessment			
July-August_20	Descartes	15	Supriya Samanta	
September - October_20	Spinoza	15	Banani Barman	
November_20	Leibnitz	10	Supriya Samanta	
	Tutorial	05		
Last week of November	2 nd Internal Assessment			
End of December	End Term Assessment			

Resources:

B. Russell-*History of Western Philosophy*

F. Copleston- *A History of Western Philosophy*

Samarendra Bhattacharya-Pachatya Darsaner Ruparekha

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: July-Dec 2020
 Semester-I

Paper Code: PHIACOR02T

Paper Title: Western Logic-I

Credit:6

Course coordinator: Sucheta Mitra & Pritha Paul

Period	Course topic	Class hour.	Teacher	Remarks
July _20	Basic concepts-Proposition, Propositional form, Argument and Argument form, Truth functional connectives, Truth and Validity	05	Sucheta Mitra	
July-August _20	An overview of traditional laws of logic, Boolean interpretation of categorical propositions and consequences, syllogism, Venn diagram	15	Sucheta Mitra	
September _20	The method of truth table and truth tree as decision procedures	20	Sucheta Mitra	
October _20	Method of deduction: 19 Rules, I.P. and C.P.	15	Sucheta Mitra	
November _20	Invalidity by shorter Truth table method	15	Pritha Paul	
	Tutorial	10	Pritha Paul	
2 nd week of September	1 st Internal Assessment			
Last week of November	2 nd Internal Assessment			
	* if necessary, then doubt clearing and special practice classes will be taken 1 st week of December			
End of December	End Term Assessment			

Resources:

I.M. Copi -*Introduction to Logic*

Jeffery-*Formal Logic*

Samir kumar Chakraborty-Yukibijnan

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: July-Dec 2020
 Semester-III

Paper Code: PHIACOR05T

Paper Title: History of Western Philosophy-II

Credit:6

Course coordinator: Sucheta Mitra & Pritha Paul

Period	Course topic	Class hour.	Teacher	Remarks
July_20	Locke	15	Sucheta Mitra	
August_20	Berkeley	15	Sucheta Mitra	
September_20	Hume	15	Sucheta Mitra	
	Tutorial	05	Sucheta Mitra	
1 st or 2 nd week of September	1 st Internal Assessment			
October – November_20	Kant	20	Pritha Paul	
3 rd week of November	Tutorial	05	Pritha Paul	
			Pritha Paul	
Last week of November	2 nd Internal Assessment			
1 st week of December	Doubt clearing classes			
End of December	End Term Assessment			

Resources:

B. Russell-*History of Western Philosophy*

F. Copleston- *A History of Western Philosophy*

Samarendra Bhattacharya-Pachatya darsaner ruparekha

P. R. Thakur Govt. College
Department of Philosophy
Lesson plan for Course: B.A. HONOURS
Session: July-Dec 2020
Semester-III

Paper Code: PHIACOR06T

Paper Title: Outlines of Indian Philosophy-II

Credit:6

Course coordinator: Dr. Supriya Samanta & Banani Barman

Period	Course topic	Class hour.	Teacher	Remarks
July-August_20	Samkhya system	12	Supriya Samanta	
September_20	Yoga system	12	Supriya Samanta	
	Tutorial	06	Supriya Samanta	
July_20	Mimamsa system	10	Banani Barman	
August_20	Advaita Vedanta: Philosophy of Sankara	10	Banani Barman	
September_20	Ramanuja	05	Banani Barman	
	Tutorial	04		
October-November	*Special discussion on different Vedantic schools	10	10	
2 nd week of September	1 st Internal Assessment			
Last week of November	2 nd Internal Assessment			
End of December	End Term Assessment			

Resources:

J.N. Sinha-*Outlines of Indian Philosophy*

S. N. Dasgupta- *Indian Philosophy-*

Hiriyanna- *Outlines of Indian Philosophy*

Dipak kumar Bagchi-Bharatiya darsan

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: July-Dec 2020
 Semester: III

Paper Code: PHIACOR07T

Paper Title: -Western Ethics

Credit:6

Course coordinator: Sucheta Mitra & Pritha Paul

Period	Course topic	Class hour.	Teacher	Remarks
July_20	Introduction to Ethics	08	Sucheta Mitra	
August-September_20	Different types of ethical theories	24	Sucheta Mitra	
October_20	Deontologism-with special reference to Kant	12	Pritha Paul	
November_20	Teleologism and Punishment theory	20	Pritha Paul	
	Tutorial	06	Pritha Paul	
2 nd week of September	1 st Internal Assessment			
Last week of November	2 nd Internal Assessment			
	* if necessary, then doubt clearing classes will be taken 1 st week of December			
End of December	End Term Assessment			

Resources:

W. Lillie-*An Introduction to Ethics*

W. Frankena- *Ethics*

J.N. Sinha- *An Introduction to Ethics*

Samarendra Bhattacharya-Pachatya Nitibidya

P. R. Thakur Govt. College
Department of Philosophy
Lesson plan for Course: B.A. HONOURS
Session: July-Dec 2020
Semester: III

Paper Code: PHISSEC01M

Paper Title: -Media Ethics

Credit:4

Course coordinator: Dr. Supriya Samanta

Period	Course topic	Class hour.	Teacher	Remarks
July_20	What is Media Ethics	05	Supriya Samanta	
August-September_20	Role and impact of Media	05		
October_20	Media and Democracy	05		
November_20	Functions and responsibilities of Media	05		
	* if necessary, then doubt clearing classes will be taken 1 st week of December			
End of December	End Term Assessment			

Resources:

Paranjay Guha Thakurata -Media Ethics: Truth Fairness and Objectivity

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: July-December 2020
 Semester-III

Paper Code: PHIHGEC03T

Paper Title: Indian Epistemology and Metaphysics

Credit:6

Course coordinator: Dr. Supriya Samanta & Banani Barman

Period	Course topic	Class hour.	Teacher	Remarks
July-August_20	Carvaka system	10	Supriya Samanta	
September October-20	Nyaya system	20	Supriya Samanta	
	Tutorial	06	Supriya Samanta	
July_August-20	Vaisesika system	10	Banani Barman	
September _October20	Advaita Vedanta: Philosophy of Sankara	10	Banani Barman	
	Tutorial	04		
November	*Special discussion on different Vedantic schools	4		
Last week of November	2 nd Internal Assessment			
End of December	End Term Assessment			

Resources:

J.N. Sinha-*Outlines of Indian Philosophy*
 S. N. Dasgupta- *Indian Philosophy*-
 Hiriyanna- *Outlines of Indian Philosophy*
 Dipak Bagchi-Bharatiya Darsan

P. R. Thakur Govt. College
Department of Philosophy
Lesson plan for Course: B.A. HONOURS
Session: July-December 2020

Semester: V

Paper Code: PHIACOR11T

Paper Title: Philosophy of Language (Indian and Western)

Credit:6

Course coordinator: Dr. Banani Barman & Sucheta Mitra

Period	Course topic	Class hour.	Teacher	Remarks
July-August _20	Indian Philosophy of Language: <i>Shakti</i>	15	Banani Barman	
September _20	<i>Lakshana</i>	10	Banani Barman	
September _20	<i>Veder paurasheyatva</i>	05	Banani Barman	
October _20	<i>Arthapatti and other pramanas</i>	05	Banani Barman	
November _20	<i>Pramanyavada</i>	05	Banani Barman	
July-August _20	Western Philosophy of Language: Hospers Word, Meaning	15	Sucheta Mitra	
September _20	Ambiguity	10	Sucheta Mitra	
October 21	Vagueness	05	Sucheta Mitra	
November & 1 st week of December 20	P. Alston Speech act	10	Sucheta Mitra	
1 st or 2 nd week of September	1 st Internal Assessment			
Last week of November	2 nd Internal Assessment			
2 nd week of December	Doubt clearing special classes			
End of December	End Term Assessment			

Resources:

Samarendra Bhattacharya-Darshnik Bishleshaner Vumika

Annambhatta: *Tarkasamgraha*
Hospers: An Introduction to Philosophical Analysis

P. R. Thakur Govt. College
Department of Philosophy
Lesson plan for Course: B.A. HONOURS
Session: July-December 2020

Semester: V
Paper Code: PHIACOR12T
Paper Title: Ethical and Social Philosophy of India
Credit:6
Course coordinator: Sucheta Mitra & Pritha Paul

Period	Course topic	Class hour.	Teacher	Remarks
July_20	Special features to Indian Ethics	06	Sucheta Mitra	
July-August_20	<i>Bhagavat Gita</i> <i>Karmayoga, Sthitaprajna,</i> <i>Yogaksema, Lokasamgraha</i>	16	Sucheta Mitra	
September_20	<i>Purushartha</i> <i>Carvaka-Sukhavada</i>	08	Sucheta Mitra	
October_20	<i>Dharma</i>	20	Pritha Paul	
November & 1 st week of December_20	<i>Karma</i> <i>Pancasila, Brahmavihara,</i> <i>Mahabrata, Anubrata, Ahimsa</i>	20	Pritha Paul	
1 st or 2 nd week of September	1 st Internal Assessment			
Last week of November	2 nd Internal Assessment			
2 nd week of December	Doubt clearing special classes			
End of December	End Term Assessment			

Resources:

S. K. Maitra: The Ethics of Hindus
J.N. Sinha-History of Indian Philosophy
Dipak kumar Bagchi-Bharatiya Nitibidya

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: July-December 2020

Semester: V

Paper Code: PHIADSE02T

Paper Title: Practical Ethics

Credit:6

Course coordinator: Pritha Paul & Dr. Supriya Samanta

Period	Course topic	Class hour.	Teacher	Remarks
July-August _20	Killing of animals. Suicide, Euthanasia	20	Pritha Paul	
September _20	Human Rights	10	Pritha Paul	
September _20	War, Violence and Terrorism	15	Pritha Paul	
October _20	Concept of Environmental Ethics	10	Supriya Samanta	
November & 1 st week of December _20	Feminist Ethics -Justice based Ethics vs Care based Ethics, Ethics based on Empathy, Female Foeticide, Abortion	16	Supriya Samanta	
	Tutorial	04	Supriya Samanta	
1 st or 2 nd week of September	1 st Internal Assessment			
Last week of November	2 nd Internal Assessment			
2 nd week of December	Doubt clearing special classes			
End of December	End Term Assessment			

Resources:

Peter Singer-Practical Ethics

Peter Singer-Writings on an Ethical Life

Shefali Moitra-Feministic Thought

Samarendra Bhattacharya- Vyvharik Nitividya

P. R. Thakur Govt. College
Department of Philosophy
Lesson plan for Course: B.A. HONOURS
Session: July-December 2020

Semester: V

Paper Code: PHIADSE03T

Paper Title: - Philosophy of Religion

Credit:6

Course coordinator: Sucheta Mitra and Banani Barman

Period	Course topic	Class hour.	Teacher	Remarks
July_20	Introduction	10	Sucheta Mitra	
August_20	Difference between Spirituality and religiosity, sacred and profane, magic and religion	10	Sucheta Mitra	
September_20	Problem of evil	05	Sucheta Mitra	
October_20	Proofs for the existence of God	10	Banani Barman	
October_20	Grounds for the disbelief in God	10	Banani Barman	
November_20	Some Major Religions Hinduism, Buddhism, Christianity, Islam	20	Banani Barman	
1 st week of September	1 st Internal Assessment			
Last week of November	2 nd Internal Assessment			
1 st week of December	Doubt clearing special classes			
End of December	End Term Assessment			

Resources:

John Hick-The Philosophy of Religion

Tiwari- Comparative Religion

Edwards - The Philosophy of Religion

Rabindranath Das-Dharmadarshan

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: January-June 2020
 Semester -II

Paper Code: PHIACOR03T

Paper Title: Outlines of Indian Philosophy-I

Credit:6

Course coordinator: Dr. Banani Barman & Dr. Supriya Samanta

Period	Course topic	Class hour.	Teacher	Remarks
Jan_20	Basic concepts in Indian Philosophy	08	Banani Barman	
Jan_20- March_20	<i>Nastika</i> Shools i. <i>Carvaka</i> ii. <i>Jainism</i>	16	Supriya Samanta	
Feb_20	<i>Buddhism</i>	12	Banani Barman	
	Tutorial	03	Banani Barman	
2 nd week of March	1 st Internal Assessment			
April-May_20	Nyaya system Four <i>pramanas</i>	15	Supriya Samanta	
April-May_20	Vaisesika The seven categories	18	Banani Barman	
	Tutorial	03	Supriya Samanta	
Last week of May	2 nd Internal Assessment			
End of June	End Term Assessment			

Resources:

Hiriyanna-*Outlines of Indian Philosophy*

Dipak Kumar Bagchi-*Bharatiya Darshan*

J. N. Sinha-*Indian Philosophy*

Debabrata Sen-*Bharatiya Darshan*

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: January-June 2020
 Semester -II

Paper Code: PHIACOR04T

Paper Title: Western Logic-II

Credit:6

Course coordinator: Sucheta Mitra & Pritha Paul

Period	Course topic	Class hour.	Teacher	Remarks
Jan_20	Need for Quantification Theory, Singular Propositions, Quantifiers	05		
Feb- March_20	Translating traditional subject, predicate proposition into logical notion of propositional function, predicate and predicate functions, individual constant and individual variable	15	Sucheta Mitra	
April- May_20	Quantification rules and providing validity, proving invalidity for arguments involving quantifiers	20	Sucheta Mitra	
	Tutorial	05	Sucheta Mitra	
Jan_20	Induction Mill's Method and Copi's criticism	06	Pritha Paul	
Feb- March_20	Induction per simple enumeration, Analogical Inference Criteria of scientific hypothesis	10	Pritha Paul	
April- May_20	Probability	18	Pritha Paul	
2 nd week of March	1 st Internal Assessment			
Last week of May	2 nd Internal Assessment			
	* if necessary, then doubt clearing and special practice classes will be taken 1 st week of June			
End of June	End Term Assessment			

Resources:

I.M. Copi -*Introduction to Logic*

Jeffery-*Formal Logic*

P. R. Thakur Govt. College
Department of Philosophy
Lesson plan for Course: B.A. HONOURS
Session: January-June 2020
Semester-IV

Paper Code: PHIACOR08T

Paper Title: Social and Political Philosophy-Western

Credit:6

Course coordinator: Sucheta Mitra & Dr. Supriya Samanta

Period	Course topic	Class hour.	Teacher	Remarks
Jan_20	Concept of Social Philosophy and Political Philosophy	02	Sucheta Mitra	
Jan_20	Relation and difference: Social and Political Philosophy, Sociology and Political Science	02	Sucheta Mitra	
Feb-March_20	Basic concepts: Society, Community, Association, Institution, Caste and Class, Social group	18	Sucheta Mitra	
	Tutorial	02	Sucheta Mitra	
Jan_20	The Marxist view and Gandhian view	07	Supriya Samanta	
Feb_20	Family i. The Marxist interpretation of family ii. Sex gender divide, patriarchy and feminist interpretation of family iii. The Marxist feminist debate	12	Supriya Samanta	
March_20	Political ideals: democracy and its forms	10	Supriya Samanta	
	Tutorial	02	Supriya Samanta	
1 st or 2 nd week of March	1 st Internal Assessment			
April-May_20	Socialism and its varieties Utopian, Democratic, Scientific	12	Supriya Samanta	
3 rd week of May	Separation of power	05	Supriya Samanta	
	Tutorial	03	Supriya Samanta	
Last week of May	2 nd Internal Assessment			
1 st week of June	Doubt clearing classes			
End of June	End Term Assessment			

Resources:

MacIver and Page-Society

Fredrick Engles-Origin of the Family

Shefali Moitra-Naitikata o Naribad

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: January-June 2020
 Semester-IV

Paper Code: PHIACOR09T

Paper Title: Psychology and Philosophy of Mind

Credit:6

Course coordinator: Sucheta Mitra & Pritha Paul

Period	Course topic	Class hour.	Teacher	Remarks
Jan_20	Relation between Philosophy of Mind Psychology and Philosophy of Psychology	05	Sucheta Mitra	
Jan_20	Psychology as Science	02	Sucheta Mitra	
Feb_20	Associationism-Perception and Learning Gestalt theory of perception and learning	08	Sucheta Mitra	
March_20	Methods of Psychology	08	Sucheta Mitra	
	Tutorial	02		
2 nd week of March	1 st Internal Assessment			
Jan-Feb_20	Freud's Theory-Conscious and Unconscious, Id Ego Super Ego	10	Pritha Paul	
March_20	Dualism its types	02	Pritha Paul	
March_20	General discussion on Behaviourism	04	Pritha Paul	
April-May_20	The relation between body and Mind Parallelism, Interactionism, Bundle theory, Double aspect theory, Occasionalism, Emergentist and Epiphenomenalism	16	Pritha Paul	* if necessary, then doubt clearing classes will be taken 1 st week of June
	Tutorial	04		
Last week of May	2 nd Internal Assessment			
End of June	End Term Assessment			

Resources:

Morgan- *Introduction to Psychology*

J. N. Sinha-*An Introduction to Psychology*

Ira Sengupta-*Manovidya*

P. R. Thakur Govt. College
Department of Philosophy
Lesson plan for Course: B.A. HONOURS
Session: January-June 2020
Semester-IV

Paper Code: PHIACOR10T

Paper Title: Classical Indian Text: *Tarkasamgraha*

Credit:6

Course coordinator: Banani Barman

Period	Course topic	Class hour.	Teacher	Remarks
Jan_20	Definition of <i>buddhi, smriti, karana, vyapara,</i>	15	Sucheta Mitra	
Feb_20	<i>karana and its types, anyathasiddhi</i>	15	Sucheta Mitra	
March_20	<i>Pratyksa Pramana</i>	15	Sucheta Mitra	
April-May_20	<i>Anumana, vyapti, paramarsa, pakhsata, panchavayabi Nyaya, hetvabhasa</i>	30	Sucheta Mitra	
2 nd week of March	1 st Internal Assessment			
Last week of May	2 nd Internal Assessment			
1 st week of June	* if necessary, then doubt clearing classes on <i>hetvabhasa</i> will be taken 1 st week of June			
End of June	End Term Assessment			

Resources:

Annambhatta: *Tarkasamgrha*

P. R. Thakur Govt. College
Department of Philosophy
Lesson plan for Course: B.A. HONOURS
Session: Jan-June 2020
Semester: IV

Paper Code: PHISSEC02M

Paper Title: -Business Ethics

Credit:4

Course coordinator: Dr. Supriya Samanta

Period	Course topic	Class hour.	Teacher	Remarks
Feb_20	What is Business Ethics	05	Supriya Samanta	
March_20	Environmental ethics related to business	05		
April_20	Advertising ethics related to business	05		
May_20	Functions of Business Ethics	05		
	* if necessary, then doubt clearing classes will be taken 1 st week of June			
End of June	End Term Assessment			

Resources:

Arjuna Gope- Business Ethics

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: Jan-June_2020
 Semester: IV

Paper Code: PHIHGEC04T

Paper Title: - Ethics-Indian & Western

Credit:6

Course coordinator: Sucheta Mitra & Banani Barman

Period	Course topic	Class hour.	Teacher	Remarks
Jan_20	Introduction to Ethics	04	Sucheta Mitra	
Feb-20	Purusarthas	04	Sucheta Mitra	
March_20	Karma	04	Sucheta Mitra	
April_20	Carvaka ethics, Buddhist ethics	09	Sucheta Mitra	
May_20	Jaina ethics	05	Sucheta Mitra	
Jan_20	Moral and non-moral actions	05	Banani Barman	
Feb_20	Utilitarianism	06	Banani Barman	
March_ April - 20	Deontologism-with special reference to Kant	12	Banani Barman	
November_20	Teleologism and Punishment theory	20	Banani Barman	
Last week of May	Internal Assessment			
	* if necessary, then doubt clearing classes will be taken 1 st week of June			
End of June	End Term Assessment			

Resources:

W. Lillie-*An Introduction to Ethics*

W. Frankena- *Ethics*

J.N. Sinha- *An Introduction to Ethics*

Somnath Chakraborti- *Kathay karme Ethics*

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: July-Dec 2019
 Semester-I

Paper Code: PHIACOR01T

Paper Title: History of Western Philosophy-I

Credit:6

Course coordinator: Dr. Banani Barman

Period	Course topic	Class hour.	Teacher	Remarks
July_21	Basic concepts in Pre-Socratic Philosophy	10	Banani Barman	
July_21- August_21	Plato and Aristotle	10	Banani Barman	
Septemember_21	Medieval Western Philosophy	10	Banani Barman	
	Tutorial	03	Banani Barman	
2 nd week of September	1 st Internal Assessment			
July-August_21	Descartes	15	Banani Barman	
September - October_21	Spinoza	15	Banani Barman	
November_21	Leibnitz	10	Banani Barman	
	Tutorial	05		
Last week of November	2 nd Internal Assessment			
End of December	End Term Assessment			

Resources:

B. Russell-*History of Western Philosophy*

F. Copleston- *A History of Western Philosophy*

Samarendra Bhattacharya- Pachatya Darsaner Ruparekha

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: July-Dec 2019
 Semester-I

Paper Code: PHIACOR02T

Paper Title: Western Logic-I

Credit:6

Course coordinator: Sucheta Mitra

Period	Course topic	Class hour.	Teacher	Remarks
July _21	Basic concepts-Proposition, Propositional form, Argument and Argument form, Truth functional connectives, Truth and Validity	05	Sucheta Mitra	
July-August _21	An overview of traditional laws of logic, Boolean interpretation of categorical propositions and consequences, syllogism, Venn diagram	15	Sucheta Mitra	
September _21	The method of truth table and truth tree as decision procedures	20	Sucheta Mitra	
October _21	Method of deduction: 19 Rules, I.P. and C.P.	15	Sucheta Mitra	
November _21	Invalidity by shorter Truth table method	15	Sucheta Mitra	
	Tutorial	10	Sucheta Mitra	
2 nd week of September	1 st Internal Assessment			
Last week of November	2 nd Internal Assessment			
	* if necessary, then doubt clearing and special practice classes will be taken 1 st week of December			
End of December	End Term Assessment			

Resources:

I.M. Copi -*Introduction to Logic*

Jeffery-*Formal Logic*

Samir kumar Chakraborty-yukibijnan

Department of Philosophy
Lesson plan for Course: B.A. HONOURS
Session: July-Dec 2019
Semester-III

Paper Code: PHIACOR05T

Paper Title: History of Western Philosophy-II

Credit:6

Course coordinator: Sucheta Mitra

Period	Course topic	Class hour.	Teacher	Remarks
July_21	Locke	15	Sucheta Mitra	
August_21	Berkeley	15	Sucheta Mitra	
September_21	Hume	15	Sucheta Mitra	
	Tutorial	05	Sucheta Mitra	
1 st or 2 nd week of September	1 st Internal Assessment			
October – November_21	Kant	20	Sucheta Mitra	
3 rd week of November	Tutorial	05	Sucheta Mitra	
Last week of November	2 nd Internal Assessment			
1 st week of December	Doubt clearing classes			
End of December	End Term Assessment			

Resources:

B. Russell-*History of Western Philosophy*

F. Copleston- *A History of Western Philosophy*

Niradbaran Chakraborty-Avijntabad

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: July-Dec 2019
 Semester-III

Paper Code: PHIACOR06T

Paper Title: Outlines of Indian Philosophy-II

Credit:6

Course coordinator: Dr. Banani Barman

Period	Course topic	Class hour.	Teacher	Remarks
July-August_21	Samkhya system	12	Banani Barman	
September_21	Yoga system	12	Banani Barman	
	Tutorial	06	Banani Barman	
July_21	Mimamsa system	10	Banani Barman	
August_21	Advaita Vedanta: Philosophy of Sankara	10	Banani Barman	
September_2	Ramanuja	05	Banani Barman	
	Tutorial	04		
October-November	*Special discussion on different Vedantic schools	10	10	
2 nd week of September	1 st Internal Assessment			
Last week of November	2 nd Internal Assessment			
End of December	End Term Assessment			

Resources:

J.N. Sinha-*Outlines of Indian Philosophy*

S. N. Dasgupta-*Indian Philosophy-*

Hiriyanna- *Outlines of Indian Philosophy*

Dipak kumar Bagchi-Bharatiya Darsan

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: July-Dec 2019
 Semester: III

Paper Code: PHIACOR07T

Paper Title: -Western Ethics

Credit:6

Course coordinator: Sucheta Mitra & Banani Barman

Period	Course topic	Class hour.	Teacher	Remarks
July_21	Introduction to Ethics	08	Sucheta Mitra	
August-September_21	Different types of ethical theories	24	Sucheta Mitra	
October_21	Deontologism-with special reference to Kant	12	Banani Barman	
November_21	Teleologism and Punishment theory	20	Banani Barman	
	Tutorial	06	Banani Barman	
2 nd week of September	1 st Internal Assessment			
Last week of November	2 nd Internal Assessment			
	* if necessary, then doubt clearing classes will be taken 1 st week of December			
End of December	End Term Assessment			

Resources:

W. Lillie-*An Introduction to Ethics*

W. Frankena- *Ethics*

J.N. Sinha- *An Introduction to Ethics*

P. R. Thakur Govt. College
Department of Philosophy
Lesson plan for Course: B.A. HONOURS
Session: July-Dec 2019
Semester: III

Paper Code: PHISSEC01M

Paper Title: -Media Ethics

Credit:4

Course coordinator: Dr. Banani Barman

Period	Course topic	Class hour.	Teacher	Remarks
July_21	What is Media Ethics	05	Banani Barman	
August-September_21	Role and impact of Media	05		
October_21	Media and Democracy	05		
November_21	Functions and responsibilities of Media	05		
	* if necessary, then doubt clearing classes will be taken 1 st week of December			
End of December	End Term Assessment			

Resources:

Paranjay Guha Thakurata -Media Ethics: Truth Fairness and Objectivity

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: January-June 2019
 Semester -II

Paper Code: PHIACOR03T

Paper Title: Outlines of Indian Philosophy-I

Credit:6

Course coordinator: Dr. Banani Barman

Period	Course topic	Class hour.	Teacher	Remarks
Jan_21	Basic concepts in Indian Philosophy	08	Banani Barman	
Jan_21- March_21	<i>Nastika</i> Shools i. <i>Carvaka</i> ii. <i>Jainism</i>	16	Banani Barman	
Feb_21	<i>Buddhism</i>	12	Banani Barman	
	Tutorial	03	Banani Barman	
2 nd week of March	1 st Internal Assessment			
April-May_21	Nyaya system Four <i>pramanas</i>	15	Banani Barman	
April-May_21	Vaisesika The seven categories	18	Banani Barman	
	Tutorial	03		
Last week of May	2 nd Internal Assessment			
End of June	End Term Assessment			

Resources:

Hiriyanna-*Outlines of Indian Philosophy*

Dipak Kumar Bagchi-*Bharatiya Darshan*

J. N. Sinha-*Indian Philosophy*

Debabrata Sen-*Bharatiya Darshan*

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: January-June 2019
 Semester -II

Paper Code: PHIACOR04T
 Paper Title: Western Logic-II
 Credit:6
 Course coordinator: Sucheta Mitra

Period	Course topic	Class hour.	Teacher	Remarks
Jan_21	Need for Quantification Theory, Singular Propositions, Quantifiers	05	Sucheta Mitra	
Feb- March_21	Translating traditional subject, predicate proposition into logical notion of propositional function, predicate and predicate functions, individual constant and individual variable	15	Sucheta Mitra	
April- May_21	Quantification rules and providing validity, proving invalidity for arguments involving quantifiers	20	Sucheta Mitra	
	Tutorial	05	Sucheta Mitra	
Jan_21	Induction Mill's Method and Copi's criticism	06	Sucheta Mitra	
Feb- March_21	Induction per simple enumeration, Analogical Inference Criteria of scientific hypothesis	10	Sucheta Mitra	
April- May_21	Probability	18	Sucheta Mitra	
2 nd week of March	1 st Internal Assessment			
Last week of May	2 nd Internal Assessment			
	* if necessary, then doubt clearing and special practice classes will be taken 1 st week of June			
End of June	End Term Assessment			

Resources:

I.M. Copi -*Introduction to Logic*
 Jeffery-*Formal Logic*

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: July-Dec 2018
 Semester-I

Paper Code: PHIACOR01T

Paper Title: History of Western Philosophy-I

Credit:6

Course coordinator: Dr. Banani Barman

Period	Course topic	Class hour.	Teacher	Remarks
July_22	Basic concepts in Pre-Socratic Philosophy	10	Banani Barman	
July_22- August_22	Plato and Aristotle	10	Banani Barman	
September_22	Medieval Western Philosophy	10	Banani Barman	
	Tutorial	03	Banani Barman	
2 nd week of September	1 st Internal Assessment			
July-August_22	Descartes	15	Banani Barman	
September - October_23	Spinoza	15	Banani Barman	
November_23	Leibnitz	10	Banani Barman	
	Tutorial	05	Banani Barman	
Last week of November	2 nd Internal Assessment			
End of December	End Term Assessment			

Resources:

B. Russell-*History of Western Philosophy*

F. Copleston- *A History of Western Philosophy*

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: July-Dec 2018
 Semester-I

Paper Code: PHIACOR02T

Paper Title: Western Logic-I

Credit:6

Course coordinator: Sucheta Mitra

Period	Course topic	Class hour.	Teacher	Remarks
July _22	Basic concepts-Proposition, Propositional form, Argument and Argument form, Truth functional connectives, Truth and Validity	05	Sucheta Mitra	
July-August _22	An overview of traditional laws of logic, Boolean interpretation of categorical propositions and consequences, syllogism, Venn diagram	15	Sucheta Mitra	
September _22	The method of truth table and truth tree as decision procedures	20	Sucheta Mitra	
October _22	Method of deduction: 19 Rules, I.P. and C.P.	15	Sucheta Mitra	
November _22	Invalidity by shorter Truth table method	15	Sucheta Mitra	
	Tutorial	10	Sucheta Mitra	
2 nd week of September	1 st Internal Assessment			
Last week of November	2 nd Internal Assessment			
	* if necessary, then doubt clearing and special practice classes will be taken 1 st week of December			
End of December	End Term Assessment			

Resources:

I.M. Copi -*Introduction to Logic*
 Jeffery-*Formal Logic*

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: 2018-2019
 Part_ II, Paper_ III

Paper Title: History of Western Philosophy

Course coordinator: Dr. Banani Barman

Period	Course topic	No of lectures	Teacher	Remarks
July_18	Basic concepts in Pre-Socratic Philosophy	10	Banani Barman	
July_August_18	Plato and Aristotle	10	Banani Barman	
Septemember_18	Medieval Western Philosophy	10	Banani Barman	
	Tutorial	03	Banani Barman	
2 nd week of September	Internal Assessment			
September_18	Descartes	10	Banani Barman	
October_18	Spinoza	10	Banani Barman	
November_18	Leibnitz	10	Banani Barman	
	Tutorial	03	Banani Barman	
December_18	Locke	10	Banani Barman	
January_19	Berkeley	10	Banani Barman	
February_19	Hume	10	Banani Barman	
March_19	Kant	10	Banani Barman	
	Tutorial	03	Banani Barman	
3 rd week of March	Internal Assessment			

Resources:

B. Russell-*History of Western Philosophy*

F. Copleston- *A History of Western Philosophy*

Samarendra Bhattacharya- *Pachatyā darsan*

P. R. Thakur Govt. College
 Department of Philosophy
 Lesson plan for Course: B.A. HONOURS
 Session: 2018-2019
 Part_ II, Paper_ IV

Paper Title: History of Western Philosophy
 Course coordinator: Sucheta Mitra

Period	Course topic	No of lectures	Teacher	Remarks
July_18	Truth functions and truth functional connectives	10		
July_August_18	Validity testing by Truth Table Method and Truth value Assignment method	10		
Septemember_18	Statement form and statement	10		
Septemember_18	Consistency by Tree method	05		
2 nd week of September	Internal Assessment			
September_18	Method of deduction: 19 rules	05		
October_18	Proof of invalidity by assignment of Truth Values	05		
October_18	Logical truth using I.P., C.P.	05		
November_18	Boolean interpretation of Categorical proposition	15		
	Tutorial	03		
December_18	Quantification	16		
January_19	Mill's Method	10		
February_19	Probability	16		
March_19	Science and hypothesis	10		
	Tutorial	05		
3 rd week of March	Internal Assessment			

Resources:

I.M. Copi -*Introduction to Logic*
 Jeffery-*Formal Logic*
 Ramaprasad Das-*Jukibijnan*

TEACHING PLAN (2020–2021)

Name of the Teacher: **Dr. Utpal Singha Roy**

Department: **Zoology**

Academic Year: **2020 – 2021 (Semester- I, II)**

Month	Semester/ Part	Paper Code	Topic	No. of Classes
November 2020	Sem-I	ZOOACOR02T	Autecology and synecology, Levels of organization, Laws of limiting factors, Study of Physical factors, The Biosphere	6
			Life tables, survivorship curves, exponential and logistic growth, r and K strategies Population regulation - density- dependent and independent factors Internal exam	10
			Community characteristics: species diversity, abundance, dominance, richness, Ecotone and edge effect. Ecological succession and example of it	8
			Food chain: Detritus and grazing food chains, Energy flow through the ecosystem, Ecological pyramids	6
			Wildlife Conservation (in-situ and ex-situ conservation), Wild life protection act (1972)	4
		ZOOACOR02P	Study of life tables and plotting of survivorship curves of different types from the hypothetical/data provided	4
			Determination of population density of a natural/hypothetical population. Study of species diversity of a community by quadrat or any other suitable sampling method and calculation of Shannon-Weiner diversity index for the same community	6
			Total Classes	44
December 2020	Sem-I	ZOOACOR02T	Study Leave/End Semester Exam	
		ZOOACOR02P	Study Leave/End Semester Exam	
January 2021	Sem-II	ZOOACOR03T	Evolution of coelom and metamerism	4
			General characteristics of Annelida and Classification up to classes, Excretion in Annelida	8

			General characteristics of Mollusca and Classification up to classes, Respiration in Mollusca, Torsion and detorsion in Gastropoda	10
		ZOOACOR03P	Identification of Annelids - <i>Aphrodita</i> , <i>Nereis</i> , <i>Heteronereis</i> , <i>Sabella</i> , <i>Serpula</i> , <i>Chaetopterus</i> , <i>Pheretima</i> , <i>Hirudinaria</i>	8
			Identification of Molluscs - <i>Chiton</i> , <i>Dentalium</i> , <i>Pila</i> , <i>Doris</i> , <i>Helix</i> , <i>Unio</i> , <i>Ostrea</i> , <i>Pinctada</i> , <i>Sepia</i> , <i>Octopus</i> , <i>Nautilus</i> Identification of Hemichordates- <i>Saccoglossus</i>	8
			Total Classes	38
February 2021	Sem-II	ZOOACOR03T	Pearl formation in bivalves Evolutionary significance of trochophore larva	6
			General characteristics of phylum Hemichordata. Phylogenetic relationship with non-chordates and chordates	6
			General characteristics and classification of Chondrichthyes and Osteichthyes up to Subclasses, Accessory respiratory organ, migration and parental care in fishes Swim bladder in fishes. Classification up to Sub- Classes	12
		ZOOACOR03P	Digestive system, septal nephridia and pharyngeal nephridia of earthworm, T.S. through pharynx, gizzard, and typhlosolar intestine of earthworm	8
			Total Classes	32
March 2021	Sem-II	ZOOACOR04T	Structure and Functions: Endoplasmic Reticulum, Golgi Apparatus, Lysosomes	12
			Mitochondria: Structure, Semi-autonomous nature, Endosymbiotic hypothesis Mitochondrial Respiratory Chain, Chemiosmotic hypothesis Peroxisomes	12
		ZOOACOR04P	Preparation of permanent slide to demonstrate: a. DNA by Feulgen reaction b. Mucopolysaccharides by PAS reaction	6
			Total Classes	30
April 2021	Sem-II	ZOOACOR04T	Structure of Nucleus: Nuclear envelope, nuclear pore complex, Nucleolus Chromatin: Euchromatin and Heterochromatin and packaging (nucleosome)	10
			Cell signalling transduction pathways; Types of signaling molecules and receptors GPCR and Role of second messenger (cAMP)	12

		ZOOACOR04P	Preparation of permanent slide to demonstrate: Proteins by Mercurobromophenol blue/Fast Green	6
			Cell viability study by Trypan Blue staining	4
			Total Classes	32
May 2021	Sem-II	ZOOACOR03T	Remedial classes/Internal Exam	6
		ZOOACOR03P	Remedial classes/Internal Exam	6
		ZOOACOR04T	Remedial classes/Internal Exam	6
		ZOOACOR04P	Practice classes/Internal Exam	6
			Total Classes	24
June 2021	Sem-II	ZOOACOR03T	Study Leave/End Semester Exam	
		ZOOACOR03P	Study Leave/End Semester Exam	
		ZOOACOR04T	Study Leave/End Semester Exam	
		ZOOACOR04P	Study Leave/End Semester Exam	

TEACHING PLAN (2021-2022)

Name of the Teacher: **Dr. Utpal Singha Roy**

Department: **Zoology**

Academic Year: **2021 – 2022 (Semester- I, II, III & IV)**

Month	Semester/ Part	Paper Code	Topic	No. of Classes
July 2021	Sem-I	ZOOACOR01T	Cnidaria general characteristics and Classification up to classes, Metagenesis in <i>Obelia</i> , Polymorphism in Cnidaria, Corals and coral reefs: types, formation, distribution, conservation significance	10
		ZOOACOR01P	Study of <i>Obelia</i> , <i>Physalia</i> , <i>Millepora</i> , <i>Aurelia</i> , <i>Tubipora</i> , <i>Corallium</i> , <i>Alcyonium</i> , <i>Gorgonia</i> , <i>Metridium</i> , <i>Pennatula</i> , <i>Fungia</i> , <i>Meandrina</i> , <i>Madrepora</i>	4
		ZOOACOR02T	History of ecology, Autecology and synecology, Levels of organization, Laws of limiting factors, Study of Physical factors, The Biosphere.	4
		ZOOACOR02P	Study of life tables and plotting of survivorship curves of different types from the hypothetical/real data provided	6
		ZOOHGEC01T	Cnidaria general characters and classification up to classes; Polymorphism in Hydrozoa	3
			Annelida general characters and classification up to classes; Nephridia in Annelida	3
		ZOOHGEC01P	Identification of <i>Obelia</i> , <i>Physalia</i> , <i>Aurelia</i> , <i>Tubipora</i> , <i>Metridium</i>	3
	Sem-III	ZOOACOR05T	General characteristics and outline classification of Phylum Chordata	3
			General characteristics and classification of sub-phylum Urochordata and Cephalochordata up to Classes. Metamorphosis in <i>Ascidia</i> Chordate Features and Feeding in <i>Branchiostoma</i>	8
		ZOOACOR05P	Identification and study of <i>Herdmania</i> , <i>Branchiostoma</i> , Colonial Urochordates; Sections of <i>Balanoglossus</i> through proboscis and branchiogenital regions, Sections of <i>Amphioxus</i> through pharyngeal, intestinal and caudal regions, <i>Herdmania</i> spicules	6
		ZOOSSEC001	The potential scope of Aquarium Fish Industry as a Cottage Industry, Exotic and Endemic species of Aquarium Fishes , problems of releasing aquarium fishes into natural habitats.	4

			Common characters and sexual dimorphism of Fresh water and Marine Aquarium fishes such as Guppy, Molly, Sword tail, Gold fish, Angel fish, Blue morph, Anemone fish and Butterfly fish	4
			Use of live fish feed organisms. Preparation and composition of formulated fish feeds, Aquarium fish as larval predator	4
			Total Classes	62
August 2021	Sem-I	ZOOACOR02T	Unitary and Modular populations Unique and group attributes of population: Demographic factors, life tables, fecundity tables, survivorship curves, dispersal and dispersion. Geometric, exponential and logistic growth, equation and patterns, r and K strategies Population regulation - density-dependent and independent factors Population Interactions, Gause's Principle with laboratory and field examples, Lotka-Volterra equation for competition.	14
		ZOOACOR02P	Determination of population density of a natural/hypothetical population	4
		ZOOHGEC01T	Mollusca general characters and classification up to classes; Respiration in <i>Pila</i>	4
		ZOOHGEC01P	Identification of <i>Chiton</i> , <i>Dentalium</i> , <i>Pila</i> , <i>Unio</i> , <i>Loligo</i> , <i>Sepia</i> , <i>Octopus</i>	4
	Sem-III	ZOOACOR05T	Dipleurula concept and the Echinoderm theory of origin of chordates Advanced features of vertebrates over Protochordata	4
			General characteristics and classification of cyclostomes up to order	4
			General characteristics and classification of Chondrichthyes and Osteichthyes up to Subclasses Accessory respiratory organ, migration and parental care in fishes Swim bladder in fishes. Classification up to Sub-Classes	12
		ZOOACOR05P	Identification of Agnatha and Fishes <i>Petromyzon</i> , <i>Myxine</i> , <i>Scoliodon</i> , <i>Sphyrna</i> , <i>Pristis</i> , <i>Torpedo</i> , <i>Chimaera</i> , <i>Mystus</i> , <i>Heteropneustes</i> , <i>Labeo</i> , <i>Exocoetus</i> , <i>Echeneis</i> , <i>Anguilla</i> , <i>Hippocampus</i> , <i>Tetraodon</i> , <i>Anabas</i> , Flat fish	4
		ZOOSSEC001	Live fish transport - Fish handling, packing and forwarding techniques.	4
			General Aquarium maintenance – budget for setting up an Aquarium Fish Farm as a Cottage Industry	4

			Total classes	58
September 2021	Sem-I	ZOOACOR02T	Community characteristics: species diversity, abundance, dominance, richness, Vertical stratification, Ecotone and edge effect. Ecological succession and example of it.	11
		ZOOACOR02P	Study of species diversity of a community by quadrat or any other suitable sampling method and calculation of Shannon-Weiner diversity index for the same community.	3
		ZOOHGEC01T	General features of protochordates; Feeding in <i>Branchiostoma</i> Agnatha General features and classification up to classes (Young, 1981) Pisces general features and Classification up to Subclasses (Romer, 1959); Osmoregulation in Fishes	10
		ZOOHGEC01P	Identification of <i>Balanoglossus</i> , <i>Herdmania</i> , <i>Branchiostoma</i> , <i>Petromyzon</i> , <i>Sphyrna</i> , <i>Pristis</i> , <i>Torpedo</i> , <i>Labeo</i> , <i>Exocoetus</i> , <i>Anguilla</i>	4
	Sem-III	ZOOACOR06T	Structure, locations, classification and functions of epithelial tissues, connective tissues, muscular tissues and nerve tissues	4
			Structure and types of bones and cartilages, Ossification	4
			Structure of neuron, resting membrane potential, Origin of action potential and its propagation across the myelinated and unmyelinated nerve fibers; Types of synapse, Synaptic transmission and Neuromuscular junction; Reflex action and its types	10
		ZOOACOR06P	Recording of simple muscle twitch with electrical stimulation (or Virtual)	2
			Preparation of temporary mounts: Squamous epithelium, Striated muscle fibers and nerve cells	4
			Total Classes	52
October 2021	Sem-I	ZOOACOR02T	Types of ecosystem with an example in detail, Food chain: Detritus and grazing food chains, Linear and Y-shaped food chains, Food web, Energy flow through the ecosystem, Ecological pyramids and Ecological efficiencies Nutrient and biogeochemical cycle with an example of Nitrogen cycle Human modified ecosystem	12
		ZOOACOR02P	Study of an aquatic ecosystem: Sampling of Phytoplankton and zooplankton, Measurements of temperature, turbidity/penetration of light, determination of pH, and Dissolved Oxygen content (Winkler's method), Chemical Oxygen Demand and free CO ₂ .	12

		ZOOHGEC01T	Amphibia general features and Classification up to living orders (Duellman & Trueb, 1986); Metamorphosis in Toad	6
		ZOOHGEC01P	Identification of <i>Ichthyophis/Ureotyphlus, Salamandra, Bufo, Hyla</i>	4
	Sem-III	ZOOACOR06T	Histology of different types of muscle; Ultra structure of skeletal muscle; Molecular and chemical basis of muscle contraction; Characteristics of muscle fiber	10
			Total classes	44
November 2021	Sem-I	ZOOACOR02T	Wildlife Conservation (in-situ and ex-situ conservation). Management strategies for tiger conservation; Wild life protection act (1972)	5
		ZOOACOR02P	Excursion: Visit to a National Park/Wild life sanctuary/ any other Protected Forests within West Bengal. Report (including the actual field diary) on the study of the landscape and habitat features, Types of Forests, Major Flora and Fauna, Man-animal conflicts and other problems, Management and conservation measures.	5
		ZOOHGEC01T	Aves general features and Classification up to orders (Young, 1981); Flight adaptations in birds	3
		ZOOHGEC01P	Identification of <i>Passer, Psittacula, Alcedo</i>	1
	Sem-III	ZOOACOR07T	Structure and Biological importance: Monosaccharides, Disaccharides, Polysaccharides; Derivatives of Monosachharides Carbohydrate metabolism: Glycolysis, Citric acid cycle, Pentose phosphate pathway, Gluconeogenesis	10
			Amino acids Structure, Classification, General and Electro chemical properties of α -amino acids; Physiological importance of essential and non-essential amino acids Proteins Bonds stabilizing protein structure; Levels of organization Protein metabolism: Transamination, Deamination, Urea cycle, Fate of C-skeleton of Glucogenic and Ketogenic amino acids	10
			Structure: Purines and pyrimidines, Nucleosides, Nucleotides, Nucleic acids Types of DNA and RNA, Complementarity of DNA, Hypo- Hyperchromaticity of DNA Outlines of nucleotide metabolism	6
		ZOOACOR07P	Qualitative tests of functional groups in carbohydrates, proteins and lipids.	4
			Quantitative estimation by Lowry Method	3
			Performing the Acid and Alkaline phosphatase assay from serum/ tissue.	3
			Total classes	50

December 2021	Sem-I	ZOOACOR01T ZOOACOR02T	Study Leave/End Semester Exam	
		ZOOACOR01P ZOOACOR02P	Study Leave/End Semester Exam	
		ZOOGCOR01T	Study Leave/End Semester Exam	
		ZOOGCOR01P	Study Leave/End Semester Exam	
	Sem-III	ZOOACOR05T/ ZOOACOR05P	Study Leave/End Semester Exam	
		ZOOACOR06T/ ZOOACOR06P	Study Leave/End Semester Exam	
		ZOOACOR07T/ ZOOACOR07P	Study Leave/End Semester Exam	
January 2022	Sem-II	ZOOACOR03T	Evolution of coelom and metamerism	2
			Annelida general characteristics and Classification up to classes Excretion in Annelida	4
		ZOOACOR03P	Identification of Annelids - <i>Aphrodita, Nereis, Heteronereis, Sabella, Serpula, Chaetopterus, Pheretima, Hirudinaria</i>	3
		ZOOGCOR02T	Structure of a neuron, Resting membrane potential, Graded potential, Origin of Action potential and its propagation in myelinated and non-myelinated nerve fibres. Ultra-structure of skeletal muscle, Molecular and chemical basis of muscle contraction.	8
	Sem-IV	ZOOACOR08T	Structure, function and derivatives of integument in amphibian, birds and mammals	8
			Overview of axial and appendicular skeleton; Jaw suspension; Visceral arches.	6
			Respiratory organs in fish, amphibian, birds and mammals	6
		ZOOACOR08P	Study of placoid, cycloid and ctenoid scales through permanent slides/photographs Study of disarticulated skeleton of Toad, Pigeon and Guinea pig Demonstration of Carapace and plastron of turtle	12
		ZOOSSEC002	Natural role of earthworms in soil fertility Concept of Vermicompost- the need for it Suitable worm species and their availability for Large scale/small scale, Climate and Temperature	5
			Vermicompost Feedstock – for small scale or home farming / large scale or commercial, Operations and maintenance	5
			Properties of the vermicompost, Benefits of vermicompost, Use as soil conditioner	5
			Total classes	64

February 2022	Sem-II	ZOOACOR03T	Mollusca general characteristics and Classification up to classes. Respiration in Mollusca. Torsion and detorsion in Gastropoda. Pearl formation in bivalves. Evolutionary significance of trochophore larva.	8
		ZOOACOR03P	Identification of Molluscs - <i>Chiton, Dentalium, Pila, Doris, Helix, Unio, Ostrea, Pinctada, Sepia, Octopus, Nautilus</i>	2
		ZOOGCOR02T	Structure of nephron, Mechanism of Urine formation, Counter-current Mechanism	5
	Sem-IV	ZOOACOR08T	Comparative account of brain, Cranial nerves in mammals	6
		ZOOACOR08P	Identification of mammalian skulls: One herbivorous (Guineapig) and one carnivorous (Dog) animal Dissection of Tilapia: Circulatory system, Brain, pituitary, urinogenital system	12
		ZOOACOR09T	Mechanism of Respiration, Respiratory volumes and capacities, transport of Oxygen and Carbon dioxide in blood, Dissociation curves and the factors influencing it, respiratory pigments; Carbon monoxide poisoning	10
			Total classes	43
March 2022	Sem-II	ZOOACOR03T	General characteristics of phylum Hemichordata. Phylogenetic relationship with non-chordates and chordates	3
		ZOOACOR03P	Identification of Hemichordates- <i>Saccoglossus</i>	3
		ZOOACOR04T	Structure and Functions: Endoplasmic Reticulum, Golgi Apparatus, Lysosomes	12
			Mitochondria: Structure, Semi-autonomous nature, Endosymbiotic hypothesis Mitochondrial Respiratory Chain, Chemiosmotic hypothesis Peroxisomes	12
		ZOOACOR04P	Preparation of permanent slide to demonstrate: a. DNA by Feulgen reaction b. Mucopolysaccharides by PAS reaction	6
		ZOOGCOR02T	Carbohydrate: Structure and Metabolism. Introduction to Carbohydrates, Structure & Types of Carbohydrates, Isomerism, Introduction to Intermediary. Glycolysis, Krebs cycle, Pentose phosphate pathway, Gluconeogenesis, Electron transport chain	8
		ZOOGCOR02P	Qualitative tests to identify functional groups of carbohydrates in given solutions: Glucose (Benedict's test), Sucrose (Iodine test) Quantitative estimation of total protein in given solutions by Lowry's method.	6
	Sem-IV	ZOOACOR09T	Physiological classification based on thermal biology. Thermal biology of endotherms;	6

			Osmoregulation in aquatic vertebrates; Extra-renal osmo-regulatory organs in vertebrates	
			Structure of Kidney and its functional unit, Mechanism of urine formation, Regulation of acid-base balance	6
			Total classes	62
April 2022	Sem-II	ZOOACOR04T	Structure of Nucleus: Nuclear envelope, nuclear pore complex, Nucleolus Chromatin: Euchromatin and Heterochromatin and packaging (nucleosome)	10
		ZOOACOR04P	Preparation of permanent slide to demonstrate: Proteins by Mercurobromophenol blue/Fast Green	6
			Cell viability study by Trypan Blue staining	4
		ZOOHGEC02T	Proteins and their biological functions, functions of amino acids, physicochemical properties of amino acids. Peptides – structure and properties; primary structure of protein, secondary, tertiary and quaternary structures. Transamination, Deamination and Urea Cycle.	6
	Sem-IV	ZOOACOR10T	Basic concepts of health and diseases, Historical perspective of Immunology, Organs (Primary & Secondary lymphoid organs and its importance) and Cells of the Immune system, Concept of Haematopoiesis and development of progenitor cells of the Immune system (Brief idea)	6
			Principle of Innate and Adaptive Immunity. • Components of innate immunity – Epithelial barriers (skin and mucosal membranes [concept]) – Cellular mechanisms (phagocytes, NK cells, mast cells, eosinophils, inflammation [concept]) – Humoral mechanisms (complement, cytokines, chemokines etc. [concept])	6
			Respiratory organs in fish, amphibian, birds and mammals	6
		ZOOACOR10P	Demonstration of lymphoid organs. Histological study of spleen, thymus and lymph nodes through slides/ photographs	4
			Total classes	48
May 2022	Sem-II	ZOOACOR04T	Cell signalling transduction pathways; Types of signaling molecules and receptors GPCR and Role of second messenger (cAMP)	12
	Sem-IV	ZOOACOR10T	Structure of T cell receptors, Co-stimulatory molecules on T cells Concept of synapse between APC & T cells (between MHC≈TCR &	12

			between Co-stimulatory molecules) in details. Central differentiation of T cells; T cell selection in thymus Peripheral differentiation of T cells; Th1 & Th2	
			Gell and Coombs' classification and brief description of various types of hypersensitivities.	8
			Various types of vaccines. Active & passive immunization (Artificial and natural).	6
			Total Classes	38
June 2022	Sem-II	ZOOACOR03T ZOOACOR04T	Study Leave/End Semester Exam	
		ZOOACOR03P ZOOACOR04P	Study Leave/End Semester Exam	
		ZOOGCOR02T	Study Leave/End Semester Exam	
		ZOOGCOR02P	Study Leave/End Semester Exam	
	Sem-IV	ZOOACOR08T/ ZOOACOR09T/ ZOOACOR10T	Study Leave/End Semester Exam	
		ZOOACOR08P/ ZOOACOR09P/ ZOOACOR10P	Study Leave/End Semester Exam	

TEACHING PLAN (2023-2024)

Name of the Teacher: **Dr. Utpal Singha Roy**

Department: **Zoology**

Academic Year: **2023 – 2024 (Semester- I, II, III, IV, V & VI)**

Month	Semester/ Part	Paper Code	Topic	No. of Classes
August 2023	Sem-I	DS-1T	General organization and Classification up to classes Metagenesis in <i>Obelia</i>	4
		DS-1P	Study of <i>Physalia, Millepora, Aurelia, Tubipora, Corallium</i>	4
		SECZOO1	The potential scope of Aquarium Fish Industry as a Cottage Industry, Exotic and Endemic species of Aquarium Fishes , problems of releasing aquarium fishes into natural habitats.	12
		MA-1	Cnidaria general characters and classification up to classes; Polymorphism in Hydrozoa	3
			Annelida general characters and classification up to classes; Nephridia in Annelida	3
		MA-1P	Identification of <i>Obelia, Physalia, Aurelia, Tubipora, Metridium Aphrodite, Nereis, Pheretima, Hirudinaria</i>	4
	Sem-III	ZOOACOR05T	General characteristics and outline classification of Phylum Chordata	3
			General characteristics and classification of sub-phylum Urochordata and Cephalochordata up to Classes. Metamorphosis in Ascidia Chordate Features and Feeding in <i>Branchiostoma</i>	6
		ZOOACOR05P	Identification and study of <i>Herdmania, Branchiostoma, Colonial Urochordates; Sections of Balanoglossus through proboscis and branchiogenital regions, Sections of Amphioxus through pharyngeal, intestinal and caudal regions, Herdmania spicules</i>	4
		ZOOHGEC03T	General Features of Insects, Morphological features, Head – Eyes, Types of antennae, Mouth parts with respect to feeding habit	4
		ZOOHGEC03P	Mounting and Study of different kinds of mouth parts of insects	4
	Sem-V	ZOOACOR11T	Salient features of DNA and RNA Watson and Crick Model of DNA	4
			Regulation of Transcription in prokaryotes: lac operon and trp operon; Regulation of Transcription in eukaryotes: Activators, enhancers, silencer, repressors, miRNA mediated gene silencing, Genetic imprinting	6
			Total Classes	61
Septembe r 2023	Sem-I	DS-1T	Polymorphism in Cnidaria Corals and coral reefs: types, formation, distribution, conservation significance	3
		DS-1P	Study of <i>Corallium, Alcyonium, Gorgonia, Metridium, Pennatula, Fungia, Meandrina, Madrepora</i>	3

		SECZOO1	Common characters and sexual dimorphism of Fresh water and Marine Aquarium fishes such as Guppy, Molly, Sword tail, Gold fish, Angel fish, Blue morph, Anemone fish and Butterfly fish	5
		MDC (Zoology)	Climatic change and impact on biodiversity	3
		MA-1	General characters and classification up to classes of mollusca; Respiration in <i>Pila</i> General features; Feeding in <i>Branchiostoma</i>	4
		MA-1P	Study of <i>Chiton</i> , <i>Dentalium</i> , <i>Pila</i> , <i>Unio</i> , <i>Loligo</i> , <i>Sepia</i> , <i>Octopus</i> , <i>Balanoglossus</i> , <i>Herdmania</i> , <i>Branchiostoma</i>	4
	Sem-III	ZOOACOR05T	Dipleurula concept and the Echinoderm theory of origin of chordates Advanced features of vertebrates over Protochordata	4
			General characteristics and classification of cyclostomes up to order	4
			General characteristics and classification of Chondrichthyes and Osteichthyes up to Subclasses Accessory respiratory organ, migration and parental care in fishes Swim bladder in fishes. Classification up to Sub-Classes	4
		ZOOACOR05P	Identification of Agnatha and Fishes <i>Petromyzon</i> , <i>Myxine</i> , <i>Scoliodon</i> , <i>Sphyrna</i> , <i>Pristis</i> , <i>Torpedo</i> , <i>Chimaera</i> , <i>Mystus</i> , <i>Heteropneustes</i> , <i>Labeo</i> , <i>Exocoetus</i> , <i>Echeneis</i> , <i>Anguilla</i> , <i>Hippocampus</i> , <i>Tetraodon</i> , <i>Anabas</i> , Flat fish	4
	Sem-V	ZOOACOR11T	Types of DNA repair mechanisms, RecBCD model in prokaryotes, nucleotide and base excision repair, SOS repair	4
		ZOOACOR11T	PCR, Western and Southern blot, Northern Blot, Sanger DNA sequencing, cDNA technology	4
		ZOOADSE01T	A brief history of animal behaviour studies including the works of Fabre, Darwin, Von Frisch, Lorenz, Tinbergen, Jane Goodal, Biruté Galdikas, Dian Fossey, Salim Ali, Gopal Bhattacharyya, M. K. Chandrashekhar, Raghavendra Gadagkar. The objectives of modern animal behaviour studies: Tinbergen's four questions. Methods of studying behaviours: Observation vs Watching, Ad libitum observations, Focal animal studies, Instantaneous scan, etc. Branches of Animal Behaviour Studies	6
			Reflexes and Orientations, Instinct, Learning: Imprinting and other Programmed Learning, Habituation, Innovations and Cultural Transmission / Social Learning	4
			To study nests (non-invasively) and nesting habits of the birds and social insects (e.g. Social Wasps)	4
			Total Classes	60
October 2023	Sem-I	SECZOO1	Use of live fish feed organisms. Preparation and composition of formulated fish feeds, Aquarium fish as larval predator	10
		MDC (Zoology)	Degradation of Wetland ecosystem and biodiversity	3
		MA-1	Agnatha general features and classification up to classes	2

		MA-1P	Study of <i>Petromyzon, Sphyrna, Pristis, Torpedo</i>	2
	Sem-III	ZOOACOR06T	Structure, locations, classification and functions of epithelial tissues, connective tissues, muscular tissues and nerve tissues	4
			Structure and types of bones and cartilages, Ossification	4
			Structure of neuron, resting membrane potential, Origin of action potential and its propagation across the myelinated and unmyelinated nerve fibers; Types of synapse, Synaptic transmission and Neuromuscular junction; Reflex action and its types	6
		ZOOACOR06P	Recording of simple muscle twitch with electrical stimulation (or Virtual)	2
			Preparation of temporary mounts: Squamous epithelium, Striated muscle fibers and nerve cells	4
		ZOOSSEC001	The potential scope of Aquarium Fish Industry as a Cottage Industry, Exotic and Endemic species of Aquarium Fishes, problems of releasing aquarium fishes into natural habitats.	4
			Common characters and sexual dimorphism of Fresh water and Marine Aquarium fishes such as Guppy, Molly, Sword tail, Gold fish, Angel fish, Blue morph, Anemone fish and Butterfly fish	4
			Use of live fish feed organisms. Preparation and composition of formulated fish feeds, Aquarium fish as larval predator	4
	Sem-V	ZOOACOR12T	Mechanisms of sex determination in <i>Drosophila</i> with reference to alternative splicing Sex determination in mammals Dosage compensation in <i>Drosophila</i> & Human	6
			Criteria for extra chromosomal inheritance, Antibiotic resistance in <i>Chlamydomonas</i> , Kappa particle in <i>Paramecium</i> Shell spiralling in snail	4
			Total Classes	59
November 2023	Sem-I	SECZOO1	Live fish transport - Fish handling, packing and forwarding techniques	6
		MDC (Zoology)	Major Indian ecosystems	3
		MA-1	General features and Classification up to Subclasses (Romer, 1959); Osmoregulation in Fishes	3
		MA-1P	Study of <i>Labeo, Exocoetus, Anguilla</i>	1
	Sem-III	ZOOACOR06T	Histology of different types of muscle; Ultra structure of skeletal muscle; Molecular and chemical basis of muscle contraction; Characteristics of muscle fiber	10
		ZOOSSEC001	Live fish transport - Fish handling, packing and forwarding techniques.	4
			General Aquarium maintenance – budget for setting up an Aquarium Fish Farm as a Cottage Industry	4
	Sem-V	ZOOACOR12T	Conjugation, Transformation, Transduction,	8
		ZOOACOR12P	Pedigree analysis of some inherited traits in human	6
			Total Classes	45
December 2023	Sem-I	SECZOO1	General Aquarium maintenance – budget for setting up an Aquarium Fish Farm as a Cottage	6

			Industry	
		MDC (Zoology)	Environmental movements in India	3
		MA-1	General features and Classification up to living orders (Duellman & Trueb, 1986); Metamorphosis in Toad	3
		MA-1P	Study of <i>Ichthyophis/ Ureotyphlus, Salamandra, Bufo, Hyla</i>	2
	Sem-III	ZOACOR07T	Structure and Biological importance: Monosaccharides, Disaccharides, Polysaccharides; Derivatives of Monosaccharides Carbohydrate metabolism: Glycolysis, Citric acid cycle, Pentose phosphate pathway, Gluconeogenesis	4
			Amino acids Structure, Classification, General and Electro chemical properties of α -amino acids; Physiological importance of essential and non-essential amino acids Proteins Bonds stabilizing protein structure; Levels of organization Protein metabolism: Transamination, Deamination, Urea cycle, Fate of C-skeleton of Glucogenic and Ketogenic amino acids	4
			Structure: Purines and pyrimidines, Nucleosides, Nucleotides, Nucleic acids Types of DNA and RNA, Complementarity of DNA, Hypo- Hyperchromaticity of DNA Outlines of nucleotide metabolism	3
		ZOACOR07P	Qualitative tests of functional groups in carbohydrates, proteins and lipids.	3
			Quantitative estimation by Lowry Method	2
			Performing the Acid and Alkaline phosphatase assay from serum/ tissue.	2
	Sem-V	ZOACOR12T	Complementation test in Bacteriophage	2
		ZOACOR12P	Chi-square analyses Statistical tests of data and decision making Chi square test for goodness of fit and student t test for comparing means of two small samples from normal populations (paired/unpaired)	5
		ZOADSE01T	Social Behaviour: Concept of Sociality, Types of animal Society with examples, Altruism Communications in animals- different types (e.g. pheromones, visuals, tactile, acoustics, etc) with common examples Insects' society with Honey bee as example; Foraging in honey bee and advantages of the waggle dance. Sexual Behaviour: Asymmetry of sex, Sexual dimorphism, Mate choice, Intra-sexual selection (male rivalry), Inter-sexual selection (female choice), Sexual conflict in parental care.	6
			Historical developments in chronobiology; Biological oscillation: the concept of Average, amplitude, phase and period Adaptive significance of biological clocks	3

			Types and characteristics of biological rhythms: Short- and Long- term rhythms; Circadian rhythms; Tidal rhythms and Lunar rhythms; Concept of synchronization and masking; Photic and non-photic zeitgebers; Circannual rhythms; Photoperiod and regulation of seasonal reproduction of vertebrates; Role of melatonin.	4
		ZOOADSE01P	To study the behavioural responses of rice weevil /wood lice to dry and humid conditions. To study geotaxis behaviour in earthworms. To study the phototaxis behaviour in insects/defensive behaviour in mosquito larvae. Visit to Forest/ Wild life Sanctuary/Biodiversity Park/Zoological Park (within West Bengal) to study behavioural activities of animals and prepare a short report. Study and actogram construction of locomotor activity of suitable animal models. Study of circadian functions in humans (daily eating, sleep and temperature patterns).	10
			Total Classes	62
January 2024	Sem-I	DS-1T	Study Leave/End Semester Exam	
		DS-1P	Study Leave/End Semester Exam	
		SECZOO1	Study Leave/End Semester Exam	
		MDC (Zoology)	Study Leave/End Semester Exam	
		MA-1	Study Leave/End Semester Exam	
		MA-1P	Study Leave/End Semester Exam	
	Sem-III	ZOACOR05T/ ZOACOR05P	Study Leave/End Semester Exam	
		ZOACOR06T/ ZOACOR06P	Study Leave/End Semester Exam	
		ZOACOR07T/ ZOACOR07P	Study Leave/End Semester Exam	
		ZOOSSEC001	Study Leave/End Semester Exam	
		ZOACOR11T	Study Leave/End Semester Exam	
		ZOACOR12T	Study Leave/End Semester Exam	
		ZOACOR12P	Study Leave/End Semester Exam	
		ZOOADSE01T	Study Leave/End Semester Exam	
		ZOOADSE01P	Study Leave/End Semester Exam	
February 2024	Sem-II	DS-2T	Evolution of coelom and metamerism	2
			Annelida general characteristics and Classification up to classes Excretion in Annelida	4
		DS-2P	Identification of Annelids - <i>Aphrodita</i> , <i>Nereis</i> , <i>Heteronereis</i> , <i>Sabella</i> , <i>Serpula</i> , <i>Chaetopterus</i> , <i>Pheretima</i> , <i>Hirudinaria</i>	3
		MA – 2T	Structure of a neuron, Resting membrane potential, Graded potential, Origin of Action potential and its propagation in myelinated and non-myelinated nerve fibres. Ultra-structure of skeletal muscle, Molecular and chemical basis of muscle contraction.	6

	Sem-IV	ZOOACOR08T	Structure, function and derivatives of integument in amphibian, birds and mammals	6
			Overview of axial and appendicular skeleton; Jaw suspension; Visceral arches.	5
			Respiratory organs in fish, amphibian, birds and mammals	5
		ZOOACOR08P	Study of placoid, cycloid and ctenoid scales through permanent slides/photographs Study of disarticulated skeleton of Toad, Pigeon and Guineapig Demonstration of Carapace and plastron of turtle	8
		ZOOSSEC002	Natural role of earthworms in soil fertility Concept of Vermicompost- the need for it Suitable worm species and their availability for Large scale/small scale, Climate and Temperature	4
			Vermicompost Feedstock – for small scale or home farming / large scale or commercial, Operations and maintenance	4
			Properties of the vermicompost, Benefits of vermicompost, Use as soil conditioner	4
	Sem-VI	ZOOACOR14T	Chemogeny, RNA world, Biogeny, Origin of photosynthesis, Evolution of eukaryotes, three domains of life Historical review of evolutionary concept, Pre-Darwinian Concepts and theories including Lamarckism, Darwinian Theory Neo-Darwinian Synthesis Anti-evolutionary ideas of Creationism and their scientific refusal	6
		ZOOACOR14P	Study of fossils from models/ photographs- Direct ancestors of horses, Archaeopteryx	2
		ZOOADSE06T	Values of wild life; Importance of conservation; Causes of depletion of Wildlife in India; Evaluation and management of wildlife Forest habitats: major forest types of India and West Bengal Forest covers estimation: remote sensing and GIS	3
		ZOOADSE06T	Identification of common local flora, mammalian fauna, avian fauna, herpeto-fauna	3
			Total Classes	65
March 2024	Sem-II	DS-2T	Mollusca general characteristics and classification up to classes. Respiration in Mollusca. Torsion and detorsion in Gastropoda. Pearl formation in bivalves. Evolutionary significance of trochophore larva.	8
		DS-2P	Identification of Molluscs - <i>Chiton</i> , <i>Dentalium</i> , <i>Pila</i> , <i>Doris</i> , <i>Helix</i> , <i>Unio</i> , <i>Ostrea</i> , <i>Pinctada</i> , <i>Sepia</i> , <i>Octopus</i> , <i>Nautilus</i>	2
		SEC ZOO2	Indian Poultry Industry: Overview Importance and Trends Poultry Farming in India Poultry Development Programmes in India	6
		MA - 2T	Structure of nephron, Mechanism of Urine formation, Counter-current Mechanism	6
	Sem-IV	ZOOACOR08T	Comparative account of brain, Cranial nerves in mammals	4

		ZOOACOR08P	Identification of mammalian skulls: One herbivorous (Guineapig) and one carnivorous (Dog) animal Dissection of Tilapia: Circulatory system, Brain, pituitary, urinogenital system	6
		ZOOACOR09T	Mechanism of Respiration, Respiratory volumes and capacities, transport of Oxygen and Carbon dioxide in blood, Dissociation curves and the factors influencing it, respiratory pigments; Carbon monoxide poisoning	6
	Sem-VI	ZOOACOR14T	Fossil records: types of fossils, geological time scale, transitional forms: examples of fossils depicting the evolutionary stages of the modern horses Molecular (universality of genetic code and protein synthesis machinery) evidences Sources of variations, Heritable variations present in natural populations (classical study of Lewontin and Hubby, 1966 in <i>Drosophila</i> , as example)	10
		ZOOACOR14P	Study of homology and analogy from suitable specimens (from Photographs/models)	4
		ZOOADSE06T	Management of Successional wild habitats Forest fire Restoration of degraded wild habitats (The above topics should be learnt mostly in reference to the protected areas in West Bengal) Population estimation, Population and population density estimations: different methods in practice Sex Ratio computation and Fertility status	8
		ZOOADSE06T	Demonstration of basic equipments needed in wildlife studies use, care and maintenance (Compass, Binoculars, Range Finders, Global Positioning System, Various types of Cameras and lenses)	6
			Total Classes	66
April 2024	Sem-II	DS-2T	General characteristics of phylum Hemichordata. Phylogenetic relationship with non-chordates and chordates	2
		DS-2P	Identification of Hemichordates- <i>Saccoglossus</i>	1
		SEC ZOO2	Various Types of Poultry Farms Rural Backyard Poultry Farming	6
		MA - 2T	Carbohydrate: Structure and Metabolism. Introduction to Carbohydrates, Structure & Types of Carbohydrates, Isomerism, Introduction to Intermediary. Glycolysis, Krebs cycle, Pentose phosphate pathway, Gluconeogenesis, Electron transport chain	6
		MA - 2P	Qualitative tests to identify functional groups of carbohydrates in given solutions: Glucose (Benedict's test), Sucrose (Iodine test) Quantitative estimation of total protein in given solutions by Lowry's method.	6
	Sem-IV	ZOOACOR09T	Physiological classification based on thermal biology. Thermal biology of endotherms; Osmoregulation in aquatic vertebrates; Extra-renal osmo-regulatory organs in vertebrates	5
			Structure of Kidney and its functional unit, Mechanism of urine formation, Regulation of acid-base balance	5

	Sem-VI	ZOOACOR14T	Concept of Populations and calculation of allele frequencies in a population Hardy-Weinberg Law and equilibrium (derivations, applications of law to find gene and genotype frequencies in human Populations) Evolutionary forces disrupting H-W equilibrium- Natural selection: Definition as the non-differential rate of reproductions and survivals of competing alleles, concept of fitness, selection coefficient, Types of natural selection with examples- Disrupting, Stabilizing, Directional. Genetic Drift- outline of its mechanism, basic concepts and examples of founder's effect, bottleneck phenomenon; Role of Gene flow and Mutation rates in changing allele frequencies in a population (No mathematical models)	8
		ZOOACOR14P	Verification of Hardy-Weinberg equilibrium in a population by chi square analysis	4
		ZOOADSE06T	Traditional Conservation ethics and practices in India Conservation strategies and Practices: Wildlife Acts (IUCN, WPA of India, CITES etc)	4
		ZOOADSE06T	Familiarization and study of animal evidences in the field; Identification of animals through pug marks, hoof marks, scats, pellet groups, nest, antlers, etc.	4
			Total Classes	51
May 2024	Sem-II	SEC ZOO2	Small Scale and Commercial Broiler Farming for meat	3
			Small Scale and Commercial Layer Farming for eggs	6
		ZOOHGEC02T	Proteins and their biological functions, functions of amino acids, physicochemical properties of amino acids. Peptides – structure and properties; primary structure of protein, secondary, tertiary and quaternary structures. Transamination, Deamination and Urea Cycle.	6
	Sem-IV	ZOOACOR10T	Basic concepts of health and diseases, Historical perspective of Immunology, Organs (Primary & Secondary lymphoid organs and its importance) and Cells of the Immune system, Concept of Haematopoiesis and development of progenitor cells of the Immune system (Brief idea)	6
			Principle of Innate and Adaptive Immunity. • Components of innate immunity – Epithelial barriers (skin and mucosal membranes [concept]) – Cellular mechanisms (phagocytes, NK cells, mast cells, eosinophils, inflammation [concept]) – Humoral mechanisms (complement, cytokines, chemokines etc. [concept])	6
			Respiratory organs in fish, amphibian, birds and mammals	6
		ZOOACOR10P	Demonstration of lymphoid organs. Histological study of spleen, thymus and lymph nodes through slides/ photographs	4

	Sem-VI	ZOOACOR14T	Inter-population variations: clines, races, Species concepts and modes of speciation (just outlines of Allopatric, Sympatric and Parapatric speciation models with examples), Isolating mechanisms Adaptive radiations/ macroevolution as exemplified by Galapagos finches, Major mass extinctions in the history of life and their impacts on biodiversity on earth (brief descriptions)	8
		ZOOACOR14P	Collection of a sample of height, weight, age, sex data from at least 100 individuals and applying of different statistical analyses (frequency distribution, mean, mode, standard deviations, correlations, etc) and graphical representations.	6
		ZOOADSE06T	Estimation of carrying capacity; Eco tourism / wild life tourism in forests; Concept of climax persistence; Ecology of perturbation. Causes and consequences of human-wildlife conflicts; Mitigation of conflict – an overview; Wildlife/Ecotourism advantages and disadvantages	6
		ZOOADSE06T	Demonstration of different field techniques for flora and fauna Quadrat and other methods for ground cover assessment, Height-Girth relationships in trees, Canopy cover assessment in a patch of vegetations.	4
			Total Classes	61
June 2024	Sem-II	SEC ZOO2	Duck Farming for Eggs and Meat Quail Farming for Eggs and Meat	6
	Sem-IV	ZOOACOR10T	Structure of T cell receptors, Co-stimulatory molecules on T cells Concept of synapse between APC & T cells (between MHC~TCR & between Co-stimulatory molecules) in details. Central differentiation of T cells; T cell selection in thymus Peripheral differentiation of T cells; Th1 & Th2	12
			Gell and Coombs' classification and brief description of various types of hypersensitivities.	8
			Various types of vaccines. Active & passive immunization (Artificial and natural).	6
	Sem-VI	ZOOACOR14T	Unique hominin characteristics contrasted with primate characteristics (including social and cultural ones), Primate phylogeny: from Dryopithecus leading to Homo sapiens, Molecular evidences of human origin and migrations (brief outline) The basic concept of molecular phylogeny, Neutral theory of molecular evolution, molecular clock (brief introductions) Example of evolution in vertebrate globin genes	10
		ZOOADSE06T	Major wildlife areas in India (all from West Bengal): Sanctuaries, National Parks, Tiger and other Wildlife Reserves, Biosphere reserves, etc. Community reserve: concepts and examples Management challenges in Tiger reserve	8

		ZOOADSE06T	Trail / transect monitoring for abundance and diversity estimation of mammals and birds, butterflies (direct and indirect evidences)	6
			Total Classes	56
July 2024	Sem-II	DS-2T	Study Leave/End Semester Exam	
		DS-2P	Study Leave/End Semester Exam	
		SEC ZOO2	Study Leave/End Semester Exam	
		MA - 2T	Study Leave/End Semester Exam	
		MA - 2P	Study Leave/End Semester Exam	
	Sem-IV	ZOOACOR08T/ ZOOACOR09T/ ZOOACOR10T	Study Leave/End Semester Exam	
		ZOOACOR08P/ ZOOACOR09P/ ZOOACOR10P	Study Leave/End Semester Exam	
	Sem-VI	ZOOACOR11T/ ZOOACOR12T/ ZOOADSE01T/	Study Leave/End Semester Exam	
		ZOOACOR12P/ ZOOADSE01P/	Study Leave/End Semester Exam	

TEACHING ASSIGNMENTS

Session: 2018-19; Odd Semester (July to Dec.2018)

Faculty Name: DR. NILOY DAS

Course/Year/Paper	Syllabus Assigned	No. of classes /week (1:00 Hr/Class)	
		Theo.	Pract.
UG (CBCS)/1 st Semester (Honours)/Organic -I	Aliphatic and aromatic nucleophilic substitution	02	--
UG (CBCS)/3 rd Semester (Honours)/ Organic Chemistry – III & Industrial Chemistry	Synthesis physical properties and reactions of nitro and amine compounds Industrial safety and fire protection	02	--
UG (CBCS)/5 th Semester (Honours)/ Organic Chemistry – V & Green Chemistry	Methodology in organic synthesis Introduction to green chemistry	03	--
UG (CBCS)/5 th Semester (Honours)/ Organic Chemistry – V Lab	Preparation of organic compounds	--	03
PG/1 st Semester/ Organic General I	Ultraviolet and visible (UV-vis) spectroscopy: Application Infrared (IR) spectroscopy: Application Mass spectrometry: General principles and application Combined spectral applications	02	--
PG/1 st Semester/ Organic General (Practical)	Separation (chemical/column chromatographic) of binary mixtures of solid-solid/liquid-solid/liquid-liquid organic samples and identification of individual components Synthesis of organic compounds involving important chemical reactions	--	02
PG/3 rd Semester/ Advanced Organic General and Organic Major I	Organic photochemistry I Optical Rotatory Dispersion (ORD) and Circular Dichroism (CD) Organometallic chemistry	04	--
PG/3 rd Semester/Organic Major Practical I	Quantitative estimation of organic compounds Organic preparation (single and/or two-step process)	--	05
Total number of classes (hours)		23	