

3RD CYCLE NAAC ACCREDITATION PROCESS-2024

Criterion 1 - Curricular Aspects

Key Indicator: 1.3 - Curriculum Enrichment

Metric: 1.3.1 - Additional information

- ❖ **Portion of the different Course Curriculum relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability**
- ❖ **Details of Different Seminars and Social Works organised by the College**



Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability in transacting the Curriculum


**Portion of the different Course Curriculum
relevant to
Professional Ethics, Gender, Human
Values, Environment**

SARAT CENTENARY COLLEGE

**Institute integrates issues relevant to professional ethics, gender, human values, environment& sustainability through curriculum
(2018-2023)**

Issues	Subject in UG	Program Code	Semester	Paper	Topic in the curriculum (Hons. /General)
Professional Ethics	Political Science	PLSH	III (H)	CC-6	New Public Administration, New Public Management, New Public Service Approach
	Philosophy	PHIH	III (H)	CC-6	Moral and non moral action, Object of Moral Judgment: Motive and Intention, The Development of Morality, Theories of Punishment
	Education	EDNG			National Education Policy 1986 and Revised Educational Policy of 1992
	English	ENGH	II(H)	GE-2	R. K. Narayan-A Library without Books, Introduction to the Writing Process: Conventions of Academic Writing, Writing in one's own words-Summarizing and Paraphrasing
			IV(H)	GE-4	Critical Thinking: Syntheses, Analyses, and Evaluation, Structuring an Argument: Introduction, Interjection, and Conclusion, Citing Resources, Editing, Book and Media Review, Verbal, non verbal communication, Group Discussion, social conversation, Intra,inter communication
			II(H)	AECC-2	Knowing the Learner, Assessing Language Skills
	Sanskrit	SNSH SNSG	II(H) V(H)	CC-2 CC-11	Sukanasopadesa-Kadambari, The History of Sanskrit Literature (Fables) Aksasukta
			V(G)	SEC-4	DanavirahKarnah
Zoology	ZOOH	VI(H)	DSE-T6	Wild Life Conservation	
Bengali	BNGH	IV(H)	CC-8 CC-9	POEM- 'BidayAbhishap, 'Bramhon', 'Janmbhumitei' NOVEL- 'Chandrashekhar'	
		V(H)	CC-11 CC-12	SHORT STORY- Postmaster SHORT STORY – Tope	




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Geography	GEOH	III(H) V(H)	CC-7 DSE-2	Population: Distribution, growth, structure and policy, Distribution of population by race, caste, religion, language, tribes, Population: Growth, distribution and human development Population Composition and Characteristics: Age-Sex; Female-Male Ratio, Measures of Fertility and Mortality, Population Composition of India: Rural and Urban, Occupational Structure as per Census of India, Migration: Theories, Causes and Types, Concept of Human Development Index, Contemporary Issues in Population: Health and Unemployment
Sanskrit	SNSH	V(H)	CC-11	Devisukta
Physical Education	PHYG	I(G)	CC-1	Biological and Sociological foundation of Physical Education
Bengali	BNGH	I(H) III(H) V(H)	CC-1 CC-7 CC-11 CC-12	POEM -Shaktopadaboli POEM -Biranggona SHORT STORY - Tyag, EK Ratri, Strirpatra SHORT STORY - Puimacha, PRABANDHA-ParibarikNariSamosya



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(2018-23)

Issues	Subject in UG	Program Code	Semester	Paper	Topic in the curriculum (Hons. /General)
Human values	Political Science	PLSH	III (H)		Indian Political Thought : RammohunRoy : perception of British Colonial Rule and their role as Modernizers, Bankim, Vivekananda : Nationalism, Gandhi : Satyagraha; trusteeship, Tagore ; State, Society and Nation.
	Philosophy	PHIH	III (H)	CC-6 CC-5	Nature of Morality, Moral and Non moral actions, Development of Morality, Ethics in Srimadbhagavat Gita, Buddhist Ethics Jaina Ethics, The Idea of Human Rights, Natural Rights, Fundamental Rights, Human Rights
	Education	EDNG		SEC-2	Needs of Value Education, Morality, Social Values, values and Human rights Education
	English	ENGH	II III	CC-3 CC-6 DSE-3	Robin S. Ngangom: 'A Poem for Mother', Lewis Carroll: Alice's Adventures in Wonderland Postcolonial Studies Genealogy and definition; Scope and relevance in textual reading; Major theorists; Key terms Imperialism and Colonialism, Orientalism, Nation and Nationalism, Diaspora. Marxism
	Geography	GEOH	II(H) V(H)	CC-3 DSE-2	Nature, scope and recent trends of Human Geography, Evolution of humans, concept of race and ethnicity; Major Racial Groups of the world, Space, society and cultural regions Concept of Culture, Cultural Diffusion, Convergence, Cultural Realms of the world, Evolution of human societies: Hunting and gathering, Pastoral nomadism, Subsistence farming, Industrial and urban societies, Human - environment relations with special reference to Arctic and hot desert regions, Population growth and distribution, population composition; demographic transition model, Population-Resource regions, Human, population and environment relations with special reference to development- environment conflict Social Geography: Nature, Scope and Content, Social Groups and Social Behaviour Concept of Social Structure and Process, Elements of Social Structure: Caste, Class, Religion, Race, Social Stratification in India, Contemporary Social Issues in India: Gender and Old-age Concept of Social Well-being, Quality of Life, Indicators of Social Well-being after Knox and Smith, Social Pathology: Crime and Violence, Social Area Analysis after Shevky and Bell Social Impact Assessment (SIA): Concept and Importance, Social Policies in India: SarvaShikshaAbhiyan and NRHM
	Sanskrit	SNSH	II(H) III(H)	CC-4 CC-7	Self Management In The Gita Manusamhita (Chapter-7 th)
	Physical Education	PHYG	I(G) II(G) IV(G)	CC-1A CC-1D CC-1D	Yoga Education Leadership Physical fitness and Wellness

	Bengali	BNGH	I(H) II(H) IV(H) V(H)	CC-1 CC-4 CC-8 CC-9 CC-10 CC-11 CC-12	RAMAYAN, MAHABHARAT KABYA- Annodamangal POEM -Manush, KolkatarJishu NOVEL -Gonodebota DRAMA- Nil Darpon SHORT STORY -AnodhikarPrabesh PRABANDHA -Lokshikkha



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(2018-23)

Issues Environment & Sustainability	Subject in UG	Program Code	Semester	Paper	Topic in the curriculum (Hons. /General)
	All subjects in UG	ENVS	I(H & G)	AECC-1	Environmental Studies
	Political Science	PLSG	IV(G)	SEC-2	Environmental Awareness :Environmentalism: Meaning, Key Related Ideas, Significance, Collective action problems and environmental challenges in developing and developed countries, Major Environmental Movements in India: Chipko – NarmadaBanchao, Regional and international efforts to address climate change, Green Governance: Sustainable Human Development
	Education	EDNG			Peace Education
	English	ENGH	II IV	CC-14 GE-3	Chinua Achebe: Things Fall Apart, Mamang Dai: ‘Small Towns and the River’ Salman Rushdie: Haroun and the Sea of Stories, MahaswetaDevi:The Arrow of ChottiMunda G M Hopkins. ‘Binsey Poplars’, Gordon J. L. Ramel. ‘Daffodils No More’, Mahasweta Devi ‘Pterodactyl’, Ruskin Bond. ‘Dust on the Mountains’, ‘Death of the Trees’
	Geography	GEOH	III(H) IV(H) VI(H)	CC-5 CC-10 CC-14	Nature, composition and layering of the atmosphere, Insolation: controlling factors. Heat budget of the atmosphere, Temperature: horizontal and vertical distribution. Inversion of temperature: types, causes and consequences, Greenhouse effect and importance of ozone layer, Condensation: Processes and forms. Mechanism of precipitation: Bergeron-Findeisen theory, collision and coalescence. Forms of precipitation, Air mass: Typology, origin, characteristics and modification, Fronts: warm and cold; frontogenesis and frontolysis Weather: stability and instability; barotropic and baroclinic conditions, Circulation in the atmosphere: Planetary winds, jet stream and monsoons, Tropical and mid-latitude cyclones Evidences and causes of climate change, Climatic classification after Köppen, Thornthwaite Geographers’ Approach to Environmental Studies, Changes in Perception of Environment in different stages of Human Civilization, Ecosystem: Concept, Structure and Functions Environmental Degradation and Pollution: Water and Air, Environmental Issues related to Agriculture, Urban Environmental issues related to Waste Management, Concept and Issues related to Bio-diversity, Environmental Programs and Policies on Forest and Wetland: National and Global Classification of hazards and disasters, Approaches to hazard study: Risk perception and vulnerability assessment. Hazard paradigms, Responses to hazards: Preparedness, trauma and aftermath. Resilience and capacity building, Hazards mapping: Data and techniques, Earthquake: Factors, vulnerability, consequences and management, Landslide: Factors, vulnerability, consequences and management, Cyclone: Factors, vulnerability, consequences and management, Fire: Factors, vulnerability, consequences and management

			VI(H)	DSE-3	Resource Geography: Its Importance and relation with other sub-disciplines, Resource: Concept and Classification, Functional Theory of Resource, Problems of Resource Depletion with Special Reference to Forest, Water and Fossil Fuels, Resource Conservation : Principles and Methods, Concept of 'Limits to Growth', Distribution and Utilisation of Metallic Mineral Resources in Indian Context: Iron ore, Bauxite, Distribution and Utilisation of Non-Metallic Mineral Resources in Indian Context: Mica, Limestone, Distribution, Problems and Management of Energy Resources in Indian Context: Conventional and Non-Conventional , Power resources and problems with reference to Petroleum, Contemporary Energy Crisis and Future Scenario, Sustainable Resource Development
			VI(H)	DSE-4	Soil: Definition, Factors of Formation, Development and Characteristics of an ideal Soil Profile Physical and Chemical Properties of Soil with special reference to Texture, Structure, Organic Carbon and Ph, Concept of Zonal, Azonal and Intrazonal Soil; Formation and Profile, Characteristics of Laterite and Podsol, Classification of Soil : Russian and Indian (ICAR) Soil Degradation and Management, Definition and Scope of Bio-geography, Meaning of Biosphere, Ecology, Ecosystem, Environment, Communities, Habitats, Niche, Ecotone and Biotopes, Biosphere and Energy: Laws of Energy Exchange, Food Chain, Food Web and Energy Flow, Bio-Geo Chemical Cycle: Carbon, Nitrogen, Factors of Plant Growth: Light, Heat, Moisture, Wind, Soil and Topography, Biomes – Concept and Classification; Tropical Rainforest and Temperate Grassland, Threat to Biodiversity- Causes, Consequences and Conservation Origin and Diffusion of Agriculture, Concepts and Types of Agricultural Systems, Physical and Human Influences on the Distribution of Agricultural Systems, Classification and Characteristics of Agricultural Regions of the World, Characteristics and Distribution of Dairy Farming, Models of Agricultural Location by Sinclair, Crop Combination (Weaver) Crop Diversification, Methods of Agricultural Regionalization, Agro-climatic Regions of India Green Revolution in India: Problems and Prospects, Agricultural Credit and Marketing: NABARD
Sanskrit	SNSH	VI(H)	DSE-3	Environmental Awareness In Sanskrit	
Botany	BOTH	III(H) IV(H) VI(H)	CC-5 SEC-1 SEC-2 DSE-3	Plant Ecology and Phytogeography Agricultural Botany Biofertilizers Plant Evolution and Biodiversity	
Physical Education	PHYG	IV(G)	CC-1D	Health problems in India-Prevention and Control	
Chemistry	CEMG	IV(G)	GE-4	Environmental Chemistry	

	Bengali	BNGH	IV(H)	CC-7 CC-8	KABYA- Sarodamongal POEM- NirjharerSwapnobhango, Meghdut, Prithibi
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The University of Burdwan



Syllabus for B.A.(Hons.)

in

Political Science

Under Semester with

Choice Based Credit System

w.e.f. 2017-2018 onward

SEMESTER-III

CC-5 : COMPARATIVE POLITICS 6 Credits Total Classes : 60

1. Transition from Comparative Government to Comparative Politics - Scope and Objectives of Comparative Politics

2. Conventions and the Rule of Law in UK ; Bill of Rights in the USA

3. Unitary Systems: UK and France; Federal Systems: USA

4. Parliamentary and Presidential Systems: UK and USA and China

5. Party System in UK and USA and France, Nigeria, Mexico.

6. Legislatures in UK and USA: Composition and Functions.

7. Judiciary in UK, USA and France

References:

1. G. Almond et al, Comparative Politics Today : A World View. (Delhi, Pearson)

2. Gabriel Abraham Almond, G. Bingham Powell, Comparative politics: system, process, and policy, (Little, Brown and Co)

3. Rod Hague, Martin Harrop and Shaun Breslin, Comparative Government and Politics – An Introduction (Macmillan, London)

4. S.N. Ray, Modern Comparative Politics – Approaches, Methods and Issues. (New Delhi, PHI)

5. J.C. Johari, Major Modern Political Systems (New Delhi, Sterling).

6. Rakhahari Chatterjee, Comparative Politics: History, Methods and Approaches (Sarat Book House, Kolkata).

CC-6 : PUBLIC ADMINISTRATION - Basic Theories 6 Credits Total Classes : 60

1. Public Administration: Meaning, dimensions and significance of the; Evolution of Public Administration as a Discipline ; Identity crisis of Public Administration

2. Classical Theories: Scientific Management(F.W. Taylor); Administrative Management(Gullick, Urwick); Ideal type bureaucracy(Weber)

3. Neo-Classical Theories: Human Relations(Elton Mayo); Decision Making Theory(Herbert Simon); Motivation Theory(Herzberg, Maslow)

4. Contemporary Theories: Ecological Approach(Fred Riggs); Innovation and Entrepreneurship(Peter Drucker)

5. Concepts of Administration: Hierarachy, Span of Control, Unity of Command, Line and Staff, Centralization-Decentralization, Devolution, Delegation

6. Major approaches in Public Administration – New Public Administration, New Public Management, New Public Service Approach, Feminist Perspective.

References:

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1. F.A. Nigro and L.G. Nigro, *Modern Public Administration*. (New York: Harper and Row)
2. Ramesh K. Arrora and Rajni Goyal, *Indian Public Administration: Institutions and Issues*. (New Delhi, WishwarPrakashan)
3. Mohit Bhattacharya, *New Horizons of Public Administration*. (New Delhi, Jawahar Publishers)
4. A. Avasthi and S. Maheshwarei, *Public Administration* (Agra, Lakshmi Narain Agarwal)
5. S. Maheshwari, *Indian Administration* (New Delhi, Orient Longman)
6. Rumki Basu, *Public Administration: Concepts and Theories* (New Delhi, Sterling Pub. Pvt. Ltd.)
7. A. K. Mukhopadhyay, *Municipal Government and Urban Development*. (New Delhi, IIPA)
8. S.N. Jha and P.C. Mathur (ed), *Decentralisation and Local Politics in India* (New Delhi, Sage)
9. C P. Bhambhri, *Public Administration, Theory and Practice* (Meerut City, Jai Prakash Nath & Co)
10. Alka Dhameja and Sweta Mishra (eds.), *Public Administration: Approaches and Applications* (Noida: Pearson)
11. Arindam Ray, *Mapping Administrative Theories: Problems And Prospects*, Kunal Books, New Delhi, 2018
12. Bidyut Chkrabarty, Prakash Chand, *Public Administration in Globalizing World*, Sage Publication, New Delhi, 2012

CC-7 : LOCAL GOVERNMENT IN INDIA 6 Credits Total Classes : 60

- 1. 73rd Amendment Act and its implications for rural local-self Government in India.**
- 2. 74th Amendment Act and its implications for urban local-self Government in India.**
- 3. Rural Administration in West Bengal: Panchayati Raj Institutions; Role of BDO.**
- 4. Urban Administration in West Bengal: Municipalities and Municipal Corporations.**
- 5. District Administration: Role of DM, SP & SDO.**
- 6. State Administration in West Bengal: Chief Secretary; Divisional Commissioner;**
- 7. Administrative Reforms in India: Impact of Globalization – RTI, Lokpal and Lokayukta**

References

1. SN Jha and PC Mathur, *Decentralisation and Local Politics in India*, Sage, New Delhi (2011)

The University of Burdwan



Syllabus for B.A. (Hons.)

in

Philosophy

Under Choice Based Credit System

w.e.f. 2017-2018 onwards

- Jagadish Chandra Ghosh :Bhagavadgita
- Somnath Chakraborty : NitividyarTattvakatha
- Sibapada Chakraborty : Nitividya
- Dikshit Gupta : Nitishastra
- Indrani Sanyal & Ratna Dutta Sharma (ed.) : Dharmaniti O Sruti
- Amita Chatterjee (ed.) : Bharatiya Dharmaniti
- Dhruva Acharyya: NitishastreSukhabad

Course Code	Course Title	Course Type	L - T - P	Credit	Marks
CC- 6	Western Ethics	Core Course	5 - 1 - 0	6	75

Recommended Topics:

1. Nature and Scope of Ethics
2. Nature of Morality
3. Moral and Non-moral actions
4. Object of Moral Judgment: Motive and Intention
5. Postulates of Morality
6. The Development of Morality
7. Normative Theories : Consequentialism (Teleology): (a) Hedonism, (b) Act Utilitarianism and Rule Utilitarianism; (c) Act Deontology and Rule Deontology, (d) Kant's Moral Theory
8. Theories of Punishment: Retributive, Deterrent and Reformatory Theory
9. Issues in Applied Ethics: (a) Suicide, (b) Euthanasia, (c) Gender Equality, (d) Affluence and Morality

Recommended Texts:

- W. Frankena: Ethics
- Y. V. Satyanarayan : Ethics : Theory and Practice

References:

- W. Lillie : An Introduction to Ethics
- J. S. Mackenzie : A Manual of Ethics
- P. Singer : Practical Ethics
- A.S.M. Abdul Khalek : NitibidyarTattvakatha
- Somnath Chakraborty : NitividyarTattvakatha
- Somnath Chakraborty : Kathay Karme Ethics
- Mrinal Kanti Bhadra : Nitividya
- Dikshit Gupta : Nitishastra
- Dhruva Acharyya: Paribesh Nitishastrer Paricay
- Shefali Moitra: Naribad o Naitikata
- Shefali Moitra: Feminist Thought
- Rajshree Basu : Naribad
- Rajshree Basu & Basabi Chakraborty (ed.): Prasanga: Manabividya

**CURRICULUM
FOR
B.A. HONOURS
IN EDUCATION**

UNDER CHOICE BASED CREDIT SYSTEM

**BURDWAN UNIVERSITY
BURDWAN, WEST BENGAL**

- Sodhi, T.S & Suri Aruna Philosophical & Sociological foundations of education, H.P Bhargav Book house, Agra,(1998)
- ❖ Bengali Books on Educational Sociology

Core Course (CC-9): Development of Education in Post-Independence Period

Full Marks: 75

Course Contents:

Unit –I:

- University Education Commission (1948-49): Aims, Curricula, Rural University and Other Recommendations,
- Mudaliar Commission (1952-53): Aims, Structure, Curricula and Other Recommendations,

Unit –II:

- Kothari Commission (1964-66): Objectives, Structure, Curricula, Technical and Professional Education, Recommendations on different areas of education.

Unit –III:

- Universal elementary education: Free, Compulsory & Universal Education in India,
- Present Position of Elementary Education,
- Language Policy in Education as recommend by different Commissions& Committees

Unit –IV:

- National Policy on Education (1986),
- Programme of Action (P.O.A.)-(1982),
- Constitutional Reforms Relating to Education.

Recommended Books:

- Report of Commissions-Radhakrishnan, Mudaliar, Kothari.
- National Policy on Education, 1986. Policy perspective and Action programme.
- Education in India-Past-Present-Future, Vol. I and II, J. P. Banerjee
- Landmarks in the History of Modern Indian Education, J. C. Aggarwal
- History of Education in India, Dr. R N Sharma and R K Sharma
- ❖ Bengali Books on Development of Education in Post-Independence Period

Core Course (CC-10): Educational Management and Administration

Full Marks: 75

Course Contents:

Unit –I:

- Educational Management: Meaning, nature and scope,
- Need of Educational Management in Modern Education,
- Process of Educational Management and Administration,
- Role of Educational Manager.

Unit –II:

THE UNIVERSITY OF BURDWAN



Burdwan-713104, West Bengal

**SYLLABUS FOR B.A. HONOURS PROGRAMME
IN
ENGLISH**

UNDER SEMESTER WITH CBCS

(Effective from 2017- 18)

Only ticked courses are chosen for reading and evaluation

ND stands for non-detailed study

Type	Credits	Number of Courses	Total credits
CC	6 credits per Course (5 theory, 1 tutorial)	14	84
DSE	6 credits per Course (5 theory, 1 tutorial)	4	24
GE [any discipline other than English]	6 credits per Course (5 theory, 1 tutorial)	4	24
AEC	AECC 1 – 4 credits, AECC 2 – 2 Credits	2	6
SEC	2 credits per paper	2	4
Total			142

Generic Elective [For students from other discipline(s)]

SEMESTER I

<p>✓ GE-1: POETRY & SHORT STORY</p> <p>1. William Shakespeare: Sonnet 116 William Wordsworth: “A Slumber did my Spirit Seal”</p> <p>2. John Keats – “Bright Star” Wilfred Owen – “Strange Meeting”</p> <p>3. Charles Lamb – “Dream Children”</p> <p>4. H. E. Bates – “The Ox”</p>	<p>9(L) + 2(T)</p> <p>9(L) + 2(T)</p> <p>9(L) + 2(T)</p> <p>9(L) + 2(T)</p> <p>18(L)+4(T)</p> <p>18(L)+4 (T)</p> <p>72 Lectures+ 16 Tutorials = 88</p>
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SEMESTER II

<p>✓ GE - 2: ESSAY, DRAMA, NOVEL</p> <p>1. George Orwell – “Shooting an Elephant” R. K. Narayan – “A Library without Books”</p> <p>2. George Bernard Shaw – <i>Arms and the Man</i></p> <p>3. J. B. Priestley – <i>An Inspector Calls</i></p> <p>4. Ernest Hemingway – <i>The Old Man and the Sea</i> (ND)</p>	<p>09(L)+2(T)</p> <p>09(L)+2(T)</p> <p>18(L)+4(T)</p> <p>18(L)+4(T)</p> <p>18(L)+4 (T)</p> <p>72 Lectures+ 16 Tutorials = 88</p>
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SEMESTER IV

<p>✓ GE – 4: ACADEMIC WRITING AND COMPOSITION</p>	
<p>1. Introduction to the Writing Process: Conventions of Academic Writing, Writing in one’s own words – Summarizing and Paraphrasing</p>	<p>20(L) + 4(T)</p>
<p>2. Critical Thinking: Syntheses, Analyses, and Evaluation</p>	<p>20(L) + 4(T)</p>
<p>3. Structuring an Argument: Introduction, Interjection, and Conclusion</p>	<p>18(L) + 3(T)</p>
<p>4. Citing Resources, Editing, Book and Media Review</p>	
<p>Recommended Readings</p>	<p>18(L) + 3(T)</p>
<p>1. Liz Hamp-Lyons and Ben Heasley, <i>Study writing: A Course in Writing Skills for Academic Purposes</i> (Cambridge: CUP, 2006).</p>	
<p>2. Renu Gupta, <i>A Course in Academic Writing</i> (New Delhi: Orient BlackSwan, 2010).</p>	
<p>3. Ilona Leki, <i>Academic Writing: Exploring Processes and Strategies</i> (New York: CUP, 2ndedn, 1998).</p>	
<p>4. Gerald Graff and Cathy Birkenstein, <i>They Say/I Say: The Moves That Matter in Academic Writing</i> (New York: Norton, 2009).</p>	
	<p>76 Lectures + 14 Tutorials = 90</p>

ABILITY ENHANCEMENT COURSE (AEC)

SEMESTER I

- ✓ **AECC-I: Environmental Studies**
(Syllabus prescribed by department concerned to be followed)

SEMESTER II

<p>✓ AECC – II (Communicative English/ MIL)</p> <p>Communicative English (MCQ Type Questions to be set to test command of Vocabulary, Usage, Collocation, Register, Difference between Formal and Informal speech, between Standard & Colloquial Language, Awareness about Linguistic Courtesy, Different types of Salutation, Letter-ending, and the like)</p> <p>Introduction:</p> <ul style="list-style-type: none"> • Theory of Communication, • Types and modes of Communication <p>1. Language of Communication:</p> <ul style="list-style-type: none"> • Verbal and Non-verbal (Spoken and Written) • Personal, Social and Business • Barriers and Strategies • Intra-personal, Inter-personal and Group communication <p>2. Speaking Skills:</p> <ul style="list-style-type: none"> • Monologue • Dialogue • Group Discussion • Effective Communication/ Mis- Communication <ul style="list-style-type: none"> ▪ Interview ▪ Public Speech <p>3. Reading and Understanding</p> <ul style="list-style-type: none"> • Close Reading • Comprehension • Summary Paraphrasing • Analysis and Interpretation • Translation(from Indian language to English and vice-versa) <p>4. Writing Skills</p> <ul style="list-style-type: none"> ▪ Documenting ▪ Report Writing ▪ Making notes ▪ Letter writing <p>Recommended Readings:</p> <ol style="list-style-type: none"> 1. <i>Fluency in English</i> - Part II, Oxford University Press, 2006. 2. <i>Business English</i>, Pearson, 2008. 3. <i>Language, Literature and Creativity</i>, Orient Blackswan, 2013. 4. <i>Language through Literature</i> (forthcoming) ed. Dr. Gauri Mishra, Dr Ranjana Kaul, Dr. Brati Biswas 	<p>3(L)+1(T)</p> <p>6(L)+1(T)</p> <p>5(L)+1(T)</p> <p>5(L)+1(T)</p> <p>6(L)+1(T)</p> <p>25 Lectures + 5 Tutorials = 30</p>
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OR

SEMESTER III

<p>SEC - 1</p> <p>B: Creative Writing</p> <ol style="list-style-type: none"> 1. What is Creative Writing 2. The Art and Craft of Writing Unit 3. Modes of creative Writing Unit 4. Writing for the Media 5. Preparing for Publication <p>Recommended Reading</p> <p><i>Creative writing: A Beginner's Manual</i> by Anjana Neira Dev and Others, Published by Pearson, Delhi, 2009.</p>	<p>2(L)+1(T)</p> <p>3(L)+1(T)</p> <p>4(L)+1(T)</p> <p>8(L)+1(T)</p> <p>8(L)+1(T)</p> <p>25 Lectures + 5 Tutorials = 30</p>
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SEMESTER IV

<p>✓ SEC - 2</p> <p>A: English Language Teaching</p> <ol style="list-style-type: none"> 1. Knowing the Learner OR Structures of the English Language 2. Methods of teaching English Language 3. Assessing Language Skills 4. Materials for Language Teaching OR Using Technology in Language Teaching <p>Recommended Readings</p> <ol style="list-style-type: none"> 1. Penny Ur, <i>A Course in Language Teaching: Practice and Theory</i> (Cambridge: CUP, 1996). 2. Marianne Celce-Murcia, Donna M. Brinton, and Marguerite Ann Snow, <i>Teaching English as a Second or Foreign Language</i> (Delhi: Cengage Learning, 4th edn, 2014). 3. Adrian Doff, <i>Teach English: A Training Course For Teachers (Teacher's Workbook)</i> (Cambridge: CUP, 1988). 4. <i>Business English</i> (New Delhi: Pearson, 2008). 5. R. K. Bansal and J. B. Harrison, <i>Spoken English: A Manual of Speech and Phonetics</i> (New Delhi: Orient BlackSwan, 4th edn, 2013). <p>Mohammad Aslam, <i>Teaching of English</i> (New Delhi: CUP, 2nd edn, 2009)</p>	<p>4(L)+1(T)</p> <p>6(L)+1(T)</p> <p>8(L)+2(T)</p> <p>7(L)+1(T)</p> <p>25 Lectures + 5 Tutorials = 30</p>
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OR

SEMESTER IV

<p>SEC - 2</p> <p>B: Film Studies</p> <ol style="list-style-type: none"> 1. Evolution of the Cinema: Silent Film, Talkie, Colour Film, Digital Age, 3D Films. 2. Cinematographic Technique: Panning of the Camera, Zooming, Fade in, Fade Out, Flashback, Close up, Long Shot, Reverse Shot. 3. Adaptation and Appropriation 4. Response and Review: (Illustrative film shows & appreciation programme to be arranged) 	<p>4(L)+1(T)</p> <p>8(L)+2(T)</p> <p>6(L)+1(T)</p> <p>7(L)+1(T)</p>
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THE UNIVERSITY OF BURDWAN



Burdwan-713104, West Bengal

**SYLLABUS FOR B.A. HONOURS
IN
SANSKRIT
UNDER SEMESTER WITH CBCS
(Effective from 2017- 18)**

Semester -II

Course Code	Course Title	Course Type	L.T.P	Credit	Marks
CC -3	Classical Sanskrit Literature(Prose)	Core Course	5-1-0	6	75
	Section-A (15 classes) Śukanāśopadeśa- Kādambarī (As in Sanskrit Pāṭhamālā, B.U. (evaṃ samatīkrāmatsu-----bhrātara ucchedyāḥ)				
	Section-B (15 classes) Daśakumāracarita-(Rājavāhanacarita)--- As in Sanskrit Pāṭhamālā ,BU				
	Section-C (30 classes) (I)The History of Sanskrit Literature (Prose). (Subandhu, Daṇḍin, Bāṇabhaṭṭa) (II) The History of Sanskrit Literature (Fables) (Pañcatantra, Hitopadeśa, Vetālapañcaviṃśati, Sinhāsanadvātarimśikā, Puruṣaparīkṣā)				
CC-4	Self Management in the Gītā	Core Course	5-1-0	6	75
	Section-A (35 classes) Śrīmadbhagavadgītā (Adhyāya-4 th)(Whole)				
	Section-B (25 classes) Selected ślokas from the Gītā I. Meditation -Adhyāya-VI (10-26) II. Diet Control-Adhyāya-XVII (8-10) III. Rajoguṇa- Adhyāya III (36-40)				
GE -2	Interdisciplinary (Any Discipline other than Sanskrit) (60 classes)	Generic Elective Course	5-1-0	6	75
AECC-2	Communicative English/MIL		2-0-0	2	50
		Total		20	275

	B. Evolution of Bengali Scripts(10 classes) C. Letter writing in Sanskrit. (10 classes)				
	OR				
	Political Thought in Sanskrit Literature				
	I.Mudrārākṣasa –(Acts-I & II) (20 classes) II. Arthaśāstra- Śāsanādhikāra(20 classes)				
		Total		26	350

Semester - V

Course Code	Course Title	Course Type	L.T.P	Credit	MarkS
CC -11	Vedic Literature	Core Course	5-1-0	6	75
	Section-A (40 classes) Ṛgvedasamhitā –(Agnisūkta-(2/6) , Indrasūkta-(2/12), Akṣasūkta-(10/34) , Devīsūkta-(10/125)				
	Section-B (10 classes) Declension of a-stems, Vedic Subjunctive, Vedic Infinitive, The Vedic Accent & Pada-pāṭha				
	Section-C (10 classes) Īsopaniṣad - Whole				
CC-12	Sanskrit Grammar	Core Course	5-1-0	6	75
	Section-A (20 classes) The Concept of the following Saṃjñās: Sūtra, Vārtika, Bhāṣya, Karmapravacanīya, Nīpāta, Gati, Upasarga, Guṇa, Vṛddhi, Ṭi, Ghi, Ghu, Nadī, Upadhā and Samprasāraṇa.				
	Section- B (40 classes) Samāsa - (Selected Sūtras upto Dvandva Compound)				
DSE-1	Dramaturgy -- Sāhityadarpaṇa - Chapter- VI (60 classes) (Rūpaka, Nāndī, Vṛttis (without Aṃgas), Prastāvanā, Arthaprakṛti, Arthopakṣepaka, Patākāsthānakas, Kārya, Avasthā, Sandhi (without Aṃgas) & Nāṭikā	Discipline Specific Elective	5-1-0	6	75
	OR				
	Maxims in Sanskrit Language (60 classes)				
	Prastāvikā of Hitopadeśa- (verses-1-47)				
DSE-2	Elements of Linguistics – (60 classes) (I) Primitive Indo-European, Division of Indo-European, Indo-Iranian (Aryan), Emergence of Indo-Aryan, Non-Aryan Influence on Sanskrit, Vedic and Classical Sanskrit. (II) Some Phonetic Laws and Tendencies - Grimm's Law, Verner's Law, Grassmann's Law, Collitz's Law, Assimilation, Dissimilation Metathesis, Prothesis, Epenthesis, Anaptyxis and Haplology	Discipline Specific Elective	5-1-0	6	75

THE UNIVERSITY OF BURDWAN



SYLLABUS FOR THREE-YEAR DEGREE COURSE IN ZOOLOGY (HONS) UNDER CHOICE BASED CREDIT SYSTEM (CBCS)

(With effect from the session 2017-2018)

4.10. DSE P5 –Animal Behaviour Lab

Animal Behaviour	2 Credits
List of Practical	
<ol style="list-style-type: none"> 1. Study of nests and nesting habits of the birds and social insects. 2. Study of the behavioral responses of woodlice to dry and humid conditions. 3. Study of geotaxis behaviour in earthworm. 4. Study of photo taxis behaviour in insect larvae. 5. Visit to Forest/Wildlife Sanctuary/Biodiversity Park/Zoological Park to study behavioural activities of animals and prepare a short report. 6. Study and actogram construction of locomotor activity of suitable animal models. 7. Study of circadian functions in humans (daily eating, sleep and temperature patterns). 	
Full Marks: 20	
Examination Pattern:	
One question from Item No. 1, 2, 3 and 4	----- (5X 1) = 05
One question from Item No. 6	----- (5X 1) = 05
One question from Item No. 7	----- (5X 1) = 05
Excursion Report -----	= 03
Laboratory Note Book -----	= 02

4.11. DSE T6–Wild Life Conservation

Credits : 6

Lectures: 50

Wild Life Conservation and Management	4 Credits	Class
Unit1:Introduction to Wild Life		6
Values of wildlife-positive and negative; Conservation ethics; Importance of conservation; Causes of depletion; World conservation strategies.		
Unit2:Evaluation and management of wildlife		8
Habitat analysis, Physical parameters: Topography, Geology, Soil and water Biological Parameters: food, cover, forage, browse and cover estimation Standard evaluation procedures: remote sensing and GIS.		
Unit3: Management of habitats		6
<ol style="list-style-type: none"> 1. Setting back succession; Grazing logging; 2. Mechanical treatment; Advancing the successional process; Cover construction; Preservation of general genetic diversity 3. Restoration of degraded habitats 		
Unit4: Population estimation		12
<ol style="list-style-type: none"> 1. Population density, Natality, Birth-rate, Mortality, fertility schedules and sex ratio computation; 2. Faecal analysis of ungulates and carnivores; 3. Pug marks and census method. 		
Unit5:Aimsandobjectivesofwildlifeconservation		6
<ol style="list-style-type: none"> 1. Wild life conservation in India–through ages; different approaches of wildlife conservation; 2. Modes of conservation ;in- situ conservation and ex-situ conservation 3. Necessity for wildlife conservation 		
Unit6:Managementplanningof wildlife in protected areas		5

5. Estimation of carrying capacity;	
6. Eco tourism/ wild life tourism in forests;	
7. Concept of climax persistence;	
8. Ecology of perturbence.	
Unit7:Manand Wildlife	3
Causes and consequences of human-wildlife conflicts; mitigation of conflict – an overview; Management of excess population	
Unit8:Protected areas	4
1. National parks & sanctuaries, Community reserve; Important features of protected areas in India;	
2. Tiger conservation- Tiger reserves in India; Management challenges in Tiger reserve.	

Suggested Readings:

1. Caughley, G., and Sinclair, A.R.E. (1994). Wildlife Ecology and Management. Blackwell Science.
2. Woodroffe R, Thirgood, S. and Rabinowitz, A. (2005). People and Wildlife, Conflictor Co-existence Cambridge University.
3. Bookhout, T. A. (1996). Research and Management Techniques for Wild life and Habitats, 5th edition. The Wildlife Society, Allen Press.
4. Sutherland, W.J. (2000). The Conservation Handbook: Research, Management and Policy. Blackwell Sciences
5. Sodhi, N.S. and Ehlich, P.R. (2010). Conservation Biology for All. Oxford university Press

The University of Burdwan



Syllabus for B.A.(Hons.)

in

Bengali

Under Semester with

Choice Based Credit System

w.e.f. 2020-21

(পঠনীয়গ্রন্থ : ভাষার ইতিবৃত্ত- সুকুমারসেন, ভাষাতত্ত্ব- অতীন্দ্র মজুমদার, আধুনিক ভাষাবিজ্ঞান ও বাংলাভাষা-
রামেশ্বর শ', তুলনামূলক ও ঐতিহাসিক ভাষাবিজ্ঞান - হুমায়ুন আজাদ)

CC-7: উনিশ শতকের কাব্য (UnishShatakerkabya) Class 60

বীরঙ্গনা কাব্য – মাইকেল মধুসূদন দত্ত

Class 30

(দুঃস্বপ্নের প্রতি শকুন্তলা, সোমের প্রতি তারা, দশরথের প্রতি কেকয়ী, লক্ষ্মণের প্রতি সূৰ্পণখা, পুরুরবার
প্রতি উৰ্বশী, নীলধ্বজের প্রতি জনা)

সারদামঙ্গল—বিহারীলাল চক্রবর্তী

Class 30

GE -3 : বাংলা সাহিত্যের ইতিহাস (Bangla Sahityer Itihās) Class 60

চর্যাগীতি, শ্রীকৃষ্ণকীর্তন, কৃত্তিবাস, কবিকঙ্কণ, কাশীরাম, বিদ্যাপতি, চণ্ডীদাস, গোবিন্দদাস, ভারতচন্দ্র,
ফোর্ট উইলিয়াম কলেজের গদ্যচর্চা, রাজা রামমোহন রায়, বিদ্যাসাগর

উপন্যাস : বঙ্কিমচন্দ্র, রবীন্দ্রনাথ, শরৎচন্দ্র

নাটক : মধুসূদন, গিরিশচন্দ্র, বিজন ভট্টাচার্য

ছোটগল্প : রবীন্দ্রনাথ

প্রবন্ধ : রামেন্দ্রসুন্দর ত্রিবেদী

কবিতা : জীবনানন্দ দাশ, সুনীল গঙ্গোপাধ্যায়

SEC-1 : বাংলা ব্যাকরণ (Bangla Byakaran) Class 20

পদপরিচয়, সন্ধি, সমাস

কারক, বিভক্তি, বাচ্য ও বাক্য পরিবর্তন

Semester IV

CC-8 :কবিতা (Kabita)

Class 60

রবীন্দ্রনাথের কবিতা

Class 30

(পাঠ্য কবিতাসমূহ: নির্ঝরের স্বপ্নভঙ্গ , মেঘদূত, দুইপাখি, বিদায় অভিশাপ, ব্রাহ্মণ, হারিয়ে যাওয়া,
ছেলেটা, পৃথিবী)

আধুনিক বাংলা কবিতা – বর্ধমান বিশ্ববিদ্যালয় প্রকাশিত

Class 30

(পাঠ্যকবিতা : বনলতা সেন- জীবনানন্দ দাশ, মানুষ – কাজী নজরুল ইসলাম, শাস্ত্রী- সুধীন্দ্রনাথ দত্ত,
সংগতি – অমিয় চক্রবর্তী, হারিয়ে – প্রেমেন্দ্র মিত্র, একখানা হাত – বুদ্ধদেব বসু, তুমি শুধু পাঁচিশে

বৈশাখ – বিষ্ণু দে, ভারতবর্ষ – দিনেশ দাস , একটি কবিতার জন্য – সুভাষ মুখোপাধ্যায়, কলকাতার
যীশু – নীরেদ্রনাথ চক্রবর্তী, প্রিয়তমাসু – সুকান্ত ভট্টাচার্য, জন্মভূমিকেই – শামসুর রাহমান, বাবরের
প্রার্থনা – শঙ্খ ঘোষ, যেতে পারি কিন্তু কেন যাব – শক্তি চট্টোপাধ্যায়, উত্তরাধিকার – সুনীল গঙ্গোপাধ্যায়)

CC – 9 : উপন্যাস (Upanyas)

Class 60

চন্দ্রশেখর – বঙ্কিমচন্দ্র চট্টোপাধ্যায়

Class 30

গণদেবতা – তারাশঙ্কর বন্দ্যোপাধ্যায়

Class 30

CC – 10 : নাটক (Natak)

Class 60

নীলদর্পণ – দীনবন্ধু মিত্র

Class 30

শারদোৎসব – রবীন্দ্রনাথ ঠাকুর

Class 30

GE- 4 : ভাষাতত্ত্ব (Bhasatattwa)

Class 60

বাংলা ভাষার উৎস, ইতিহাস ও যুগবিভাগ; প্রাচীন বাংলা, মধ্যবাংলা, আধুনিক বাংলার কালনির্ণয়, সাধারণ
লক্ষণ ও ভাষাতাত্ত্বিক বৈশিষ্ট্য; বাংলা শব্দভাণ্ডার; সাধু ও চলিত ভাষা; বাংলা উপভাষার সাধারণ পরিচয়।

SEC -2 : রচনাশক্তির নৈপুণ্য (Rachanashaktir Naipunya)

Class 20

- ক. ব্যক্তিগত ব্যবহারিক প্রাতিষ্ঠানিক পত্রলিখন
- খ. সংবাদপত্রে প্রকাশের উপযোগী প্রতিবেদন রচনা
- গ. অনুচ্ছেদ রচনা
- ঘ. ভাবার্থ ও ভাবসম্প্রসারণ

Semester V

CC – 11 : গল্প (Galpo)

Class 60

গল্পগুচ্ছ : রবীন্দ্রনাথ ঠাকুর

Class 30

পোস্টমাস্টার, কঙ্কাল, ত্যাগ, একরাত্রি, অনধিকার প্রবেশ, মেঘ ও রৌদ্র, নিশীথে, অতিথি, স্ত্রীর পত্র,
ল্যাবরেটরি

একালের গল্প (বর্ধমান বিশ্ববিদ্যালয় প্রকাশিত)

Class 30

- পুঁইমাচা – বিভূতিভূষণ বন্দ্যোপাধ্যায়
- জলসাঘর – তারাশঙ্কর বন্দ্যোপাধ্যায়
- প্রাগৈতিহাসিক – মানিক বন্দ্যোপাধ্যায়

তেলেনাপোতা আবিষ্কার – প্রেমেন্দ্র মিত্র
ফসিল – সুবোধ ঘোষ
রস – নরেন্দ্রনাথ মিত্র
টোপ – নারায়ণ গঙ্গোপাধ্যায়
ভেবেছিলাম – সন্তোষকুমার ঘোষ
আদাব – সমরেশ বসু
সাঁঝ সকালের মা – মহাশ্বেতা দেবী

CC- 12 : প্রবন্ধ ও প্রাচ্য কাব্যতত্ত্ব (Prabandha O Prachya Kabyatattwa)

Class 60

প্রবন্ধ সংকলন (বর্ধমান বিশ্ববিদ্যালয় প্রকাশিত)

Class 30

লোকশিক্ষা – বঙ্কিমচন্দ্র চট্টোপাধ্যায়
সৎ-প্রসঙ্গ – মীর মশাররফ হোসেন
আমাদের ভাষা-সংকট – প্রমথ চৌধুরী
বাংলারব্রত – অবনীন্দ্রনাথ ঠাকুর
উপন্যাসের পূর্বসূচনা – শ্রীকুমার বন্দ্যোপাধ্যায়
পারিবারিক নারী সমস্যা – অনন্যদাশঙ্কর রায়
বাংলাকাব্যের গোড়ার কথা – হুমায়ুনকবীর
ক্লাইভ স্ট্রিটে চাঁদ – বুদ্ধদেব বসু
নিঃশব্দের তর্জনী – শঙ্খ ঘোষ

কাব্য জিজ্ঞাসা – অতুলচন্দ্র গুপ্ত
(পাঠ্য অংশ ধ্বনি, রস)

Class 30

DSE-1: উনিশ শতকের বাংলা কাব্য ও প্রবন্ধ(Unish Sataker Bangla Kabya O Prabandha) Class 60

১। উনিশ শতকের বাংলা আখ্যানকাব্য ও গীতিকবিতা

Class 30

উনিশ শতকের আখ্যানকাব্য উদ্ভবের সামাজিক ঐতিহাসিক ও সাংস্কৃতিক প্রেক্ষাপট, বিষয় ও আঙ্গিকগত বৈশিষ্ট্য, আখ্যানকাব্যের বিলোপ, উনিশ শতকের আখ্যানকাব্যের প্রতিনিধিস্থানীয় কবি ও তাঁদের কাব্যবৈশিষ্ট্য।

উনিশ শতকের গীতিকবিতার উদ্ভবের প্রেরণা, সামাজিক ঐতিহাসিক ও সাংস্কৃতিক প্রেক্ষাপট, বিষয় ও আঙ্গিকগত বৈশিষ্ট্য, আখ্যানকাব্যের বিলোপ, উনিশ শতকের গীতিকবিতার প্রতিনিধিস্থানীয় কবি ও তাঁদের কাব্যবৈশিষ্ট্য।

The University of Burdwan



Syllabus for B.A.(Gen.)
in
Political Science
Under Semester with
Choice Based Credit System
w.e.f. 2017-2018 onward

Politics (Cambridge : CambridgeUniversity Press)

5. Mander, H. and Asif, M., *Good Governance* (Bangalore: Books for Chance)

SEC-3 : Democratic Awareness Through Legal Literacy 2 Credits Total Classes 30

1 Constitution – fundamental rights, fundamental duties, other constitutional rights

2 Laws relating to dowry, sexual harassment and violence against women – laws relating to consumer rights and cyber crimes

3 Anti-terrorist laws: Implication for security and human rights

4 System of courts/ tribunals and their jurisdiction in India – criminal and civil courts, writ jurisdiction, specialized courts such as juvenile courts, Mahila courts and tribunal

Suggested Readings:

1. Basu, D. D, *Introduction to the Constitution of India*(Nagpur: Lexis Nexis)
2. Kashyap, S, *Our Constitution*, (New Delhi: National Book Trust)
3. Gender Study Group, (1996) *Sexual Harassment in DelhiUniversity*, A Report, Delhi: University of Delhi.
4. D. Srivastva, (2007) ‘Sexual Harassment and Violence against Women in India: Constitutional and Legal Perspectives’, in C. Kumar and K. Chockalingam (eds) *Human Rights, Justice, and Constitutional Empowerment*, Delhi: OxfordUniversity Press.
5. J. Kothari, (2005) ‘Criminal Law on Domestic Violence’, *Economic and Political Weekly*, Vol. 40(46), pp. 4843-4849.

OR

SEC-3 :GENDER SENSITIZATION 2 Credits Total Classes 30

1. Conceptualizing Gender in Politics: Political Participation, policy making and development

2. Security concern for Women and Third Gender/ Transgender.

3. Effective participation of Women in Decision making structures: Impact of Reservation in Local Government

4. Gender Identity: Women in riot and War.

Suggested Readings:

1. Geetha, V. *Gender*. (Calcutta: Stree)
2. Geetha, V. *Patriarchy*. (Calcutta: Stree)

**CURRICULUM
FOR
B.A. GENERAL
IN EDUCATION**

UNDER CHOICE BASED CREDIT SYSTEM

**BURDWAN UNIVERSITY
BURDWAN, WEST BENGAL**

- Theories of Learning: Trial & Error, Classical conditioning and Gestalt theory of learning.
- Learning relation to; Attention, Interest, Maturation and Motivation.

Suggested Reference:

- Bigge, M.L. Psychological Foundations of Education. Harper and Row, New York.
- Chauhan, S.S. (1998). Advanced Educational Psychology. Vikash Publishing House, New Delhi.
- Choube, S.P. & Choube. (1996). Educational Psychology and Experiments. Himalay Publishing House, New Delhi.
- Mangal S.K (1997). Advance Educational Psychology. Presentice Hall of India, New Delhi.
- Mathur, S.S. Educational Psychology. BinodPustakMandir, Agra.
- Woolfolk, A.E. (2011) Educational Psychology. Sterling Kinderslay (India) Pvt. Ltd.
- ❖ Bengali Books on Educational Psychology.

Core Course : (CC-2B) : (Dis. Other than Edn.)

Course: Language(Core): Language -2 (Hindi/MIL – L₂- 1):

Full Marks: 75

Course Contents:

- ❖ Hindi/MIL : Language course (Core) Common Syllabus to be provided by the respective Department

Course: AECC-2: English / Mil

Full Marks: 50

Course Contents:

- ❖ Ability-Enhancement Compulsory Course AECC-2 Common Syllabus to be provided by the respective Department

Semester-3rd

Core Course: (CC-1C): Educational Sociology

Full Marks: 75

Course Contents:

Unit –I:

- Education Sociology: Meaning, Nature and Scope.
- Relation between Sociology and Education.
- Education-as a social sub-system.

Unit –II:

- Social Change: Concept and nature.
- Factors and problems of social change in India.
- **Social stratification: Meaning and Types.**

Unit –III:

- Socialization: Meaning, process and factors of socialization.
- Social Control: Meaning and types of Social control, Agencies of Social Control.

The University of Burdwan



Syllabus for B.A. (Hons.)

in

Philosophy

Under Choice Based Credit System

w.e.f. 2017-2018 onwards

- Jagadish Chandra Ghosh :Bhagavadgita
- Somnath Chakraborty : NitividyarTattvakatha
- Sibapada Chakraborty : Nitividya
- Dikshit Gupta : Nitishastra
- Indrani Sanyal & Ratna Dutta Sharma (ed.) : Dharmaniti O Sruti
- Amita Chatterjee (ed.) : Bharatiya Dharmaniti
- Dhruva Acharyya: NitishastreSukhabad

Course Code	Course Title	Course Type	L - T - P	Credit	Marks
CC- 6	Western Ethics	Core Course	5 - 1 - 0	6	75

Recommended Topics:

1. Nature and Scope of Ethics
2. Nature of Morality
3. Moral and Non-moral actions
4. Object of Moral Judgment: Motive and Intention
5. Postulates of Morality
6. The Development of Morality
7. Normative Theories : Consequentialism (Teleology): (a) Hedonism, (b) Act Utilitarianism and Rule Utilitarianism; (c) Act Deontology and Rule Deontology, (d) Kant's Moral Theory
8. Theories of Punishment: Retributive, Deterrent and Reformatory Theory
9. Issues in Applied Ethics: (a) Suicide, (b) Euthanasia, (c) Gender Equality, (d) Affluence and Morality

Recommended Texts:

- W. Frankena: Ethics
- Y. V. Satyanarayan : Ethics : Theory and Practice

References:

- W. Lillie : An Introduction to Ethics
- J. S. Mackenzie : A Manual of Ethics
- P. Singer : Practical Ethics
- A.S.M. Abdul Khalek : NitividyarTattvakatha
- Somnath Chakraborty : NitividyarTattvakatha
- Somnath Chakraborty : Kathay Karme Ethics
- Mrinal Kanti Bhadra : Nitividya
- Dikshit Gupta : Nitishastra
- Dhruva Acharyya: Paribesh Nitishastre Paricay
- Shefali Moitra: Naribad o Naitikata
- Shefali Moitra: Feminist Thought
- Rajshree Basu : Naribad
- Rajshree Basu & Basabi Chakraborty (ed.): Prasanga: Manabividya

THE UNIVERSITY OF BURDWAN



Burdwan-713104, West Bengal

SYLLABUS FOR B.A. HONOURS PROGRAMME
IN
ENGLISH

UNDER SEMESTER WITH CBCS
(Effective from 2017- 18)

Only ticked courses are chosen for reading and evaluation

ND stands for non-detailed study

Type	Credits	Number of Courses	Total credits
CC	6 credits per Course (5 theory, 1 tutorial)	14	84
DSE	6 credits per Course (5 theory, 1 tutorial)	4	24
GE [any discipline other than English]	6 credits per Course (5 theory, 1 tutorial)	4	24
AEC	AECC 1 – 4 credits, AECC 2 – 2 Credits	2	6
SEC	2 credits per paper	2	4
Total			142

SEMESTER II

<p>✓ CC - III: Indian Writing in English</p>	
<p>Section A</p>	
1. Lal Behari Day: <i>Govinda Samanta or the History of Bengal Raiyat</i> (ND)	20 (L) + 4 (T)
2. Anita Desai: <i>Clear Light of Day</i>	20 (L) + 4 (T)
<p>Section B</p>	
3. a) H.L.V. Derozio: 'Freedom to the Slave'	3 (L) + 1 (T)
b) Kamala Das: 'Introduction'	3 (L) + 1 (T)
c) Nissim Ezekiel: 'The Night of the Scorpion'	3 (L) + 1 (T)
d) Robin S. Ngangom: 'A Poem for Mother'	3 (L) + 1 (T)
4. Mahesh Dattani: <i>Bravely Fought the Queen</i> (ND)	22 (L) + 4 (T)
<p>Topics</p> <p>Indian English, Indian English Literature and its Readership, Themes and Contexts of the Indian English Novel, The Aesthetics of Indian English Poetry, Modernism in Indian English Literature</p>	
<p>Recommended Readings</p>	
<p>1. Raja Rao. Foreword to <i>Kanthapura</i> (New Delhi: OUP, 1989) pp. v–vi.</p>	
<p>2. Salman Rushdie. 'Commonwealth Literature does not exist', in <i>Imaginary Homelands</i> (London: Granta Books, 1991) pp. 61–70.</p>	
<p>3. Meenakshi Mukherjee. 'Divided by a Common Language', in <i>The Perishable Empire</i> (New Delhi: OUP, 2000) pp.187–203.</p>	
<p>4. Bruce King. 'Introduction', in <i>Modern Indian Poetry in English</i> (New Delhi: OUP, 2nd edn, 2005) pp. 1–10.</p>	
<p>74 Lectures + 16 Tutorials = 90</p>	

SEMESTER III

<p>✓ CC - VII: British Poetry and Drama (17th – 18th Centuries)</p>	
<p>Section A</p> <ol style="list-style-type: none"> 1. John Milton: <i>Paradise Lost</i>(Book I) 2. Thomas Dekker: <i>Shoemaker's Holiday</i>(ND) 	<p>22(L) + 4 (T) 20 (L)+ 4 (T)</p>
<p>Section B</p> <ol style="list-style-type: none"> 3. Alexander Pope: <i>The Rape of the Lock</i>(Cantos I and III) 4. Aphra Behn: <i>Oronokoo</i> (ND) 	<p>22(L) + 4 (T) 12 (L) + 2 (T)</p>
<p>Topics Religious and Secular Thought in the 17th Century, The Stage, the State and the Market, The Mock-epic and Satire, Women in the 17th Century, The Comedy of Manners</p>	<p>76 Lectures + 14 Tutorials = 90</p>
<p>Recommended Readings</p> <ol style="list-style-type: none"> 1. <i>The Holy Bible</i>, Genesis, chaps. 1–4, The Gospel according to St. Luke, chaps. 1–7 and 22–4. 2. Niccolo Machiavelli. <i>The Prince</i>, ed. and tr. Robert M. Adams (New York: Norton, 1992) chaps. 15, 16, 18, and 25. 3. Thomas Hobbes. Selections from <i>The Leviathan</i>, pt. I (New York: Norton, 2006) chaps. 8, 11, and 13. 4. John Dryden. ‘A Discourse Concerning the Original and Progress of Satire’, in <i>The Norton Anthology of English Literature</i>, vol. 1, 9th edn, ed. Stephen Greenblatt (New York: Norton 2012) pp. 1767–8 5. <i>From Dryden to Johnson</i> by Boris Ford 	

SEMESTER V

<p>✓ CC - XI: Women's Writing</p> <p>Section A</p> <p>1. a) Emily Dickinson: 'I cannot live with you', 'I'm wife; I've finished that' b) Sylvia Plath: 'Daddy' c) Eunice De Souza. 'Advice to Women', 'Bequest'</p> <p>2. Jean Rhys: <i>Wide Sargasso Sea</i>(ND)</p> <p>Section B</p> <p>3. a) Mary Wollstonecraft: <i>A Vindication of the Rights of Woman</i> (New York: Norton, 1988)chap. 1, pp. 11–19; chap. 2, pp. 19–38 (ND) b) Ramabai Ranade: 'A Testimony of our Inexhaustible Treasures', in <i>Pandita Ramabai: Through Her Own Words: Selected Works</i>, tr. Meera Kosambi (New Delhi: OUP, 2000) pp. 295–324 (ND) c) Rassundari Debi: <i>Amar Jiban</i> (Excerpts in Susie Tharu and K. Lalita, eds., <i>Women's Writing in India</i>, vol. 1 (New Delhi: OUP, 1989 pp. 191–2) (ND)</p> <p>4. a) Charlotte Perkins Gilman: 'The Yellow Wallpaper' b) Katherine Mansfield: "Bliss" c) Mahasweta Devi: "Draupadi" (Tr. Gayatri Spivak, Seagull Publishers, Kolkata)</p> <p>Topics The Confessional Mode in Women's Writing, Sexual Politics, Race, Caste and Gender, Social Reform and Women's Rights</p> <p>Recommended Readings</p> <p>1. Virginia Woolf. <i>A Room of One's Own</i> (New York: Harcourt, 1957) chaps. 1 and 6. 2. Simone de Beauvoir. 'Introduction', in <i>The Second Sex</i>, tr. Constance Borde and Shiela Malovany- Chevallier (London: Vintage, 2010) pp. 3–18. 3. Kumkum Sangari and Sudesh Vaid. Eds., 'Introduction', in <i>Recasting Women: Essays in Colonial History</i> (New Delhi: Kali for Women, 1989) pp. 1–25. 4. Chandra Talapade Mohanty. 'Under Western Eyes: Feminist Scholarship and Colonial Discourses', in <i>Contemporary Postcolonial Theory: A Reader</i>, ed. Padmini Mongia (New York: Arnold, 1996 pp. 172–97).</p>	<p>5(L) + 1 (T)</p> <p>3(L) + 1 (T)</p> <p>5(L) + 1 (T)</p> <p>14(L) + 3 (T)</p> <p>14(L) + 3 (T)</p> <p>8 (L) + 2 (T)</p> <p>10 (L) + 2 (T)</p> <p>5(L) + 1 (T)</p> <p>5(L) + 1 (T)</p> <p>5(L) + 1 (T)</p> <p>74 Lectures + 16 Tutorials = 90</p>
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SEMESTERVI

<p>✓ CC - XIII: Modern European Drama</p> <p>Section A</p> <p>1. Henrik Ibsen: <i>A Doll's House</i></p> <p>2. Eugene Ionesco: <i>Rhinoceros</i>(ND)</p> <p>Section B</p> <p>1. Bertolt Brecht: <i>The Good Woman of Szechwan</i>(ND)</p> <p>2. Samuel Beckett: <i>Waiting for Godot</i></p> <p>Topics</p> <p>Politics, Social Change and the Stage, Text and Performance, European Drama: Realism and Beyond, Tragedy and Heroism in Modern European Drama, The Theatre of the Absurd</p> <p>Recommended Readings</p> <p>1. Constantin Stanislavski. <i>An Actor Prepares</i>. Chap. 8, 'Faith and the Sense of Truth', tr. Elizabeth Reynolds Hapgood (Harmondsworth: Penguin, 1967, sections 1, 2, 7, 8, 9, pp. 121–5, 137–46).</p> <p>2. Bertolt Brecht. 'The Street Scene', 'Theatre for Pleasure or Theatre for Instruction', and 'Dramatic Theatre vs Epic Theatre', in <i>Brecht on Theatre: The Development of an Aesthetic</i>, ed. and tr. John Willet (London: Methuen, 1992, pp. 68–76, 121–8.)</p> <p>3. George Steiner. 'On Modern Tragedy', in <i>The Death of Tragedy</i> (London: Faber, 1995) pp. 303–24.</p>	<p>20 (L) + 4 (T)</p> <p>16 (L) + 3(T)</p> <p>14(L) + 3 (T)</p> <p>25(L) + 5 (T)</p> <p>75 Lectures + 15 Tutorials = 90</p>
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SEMESTER VI

✓ DSE –3

A: Literary Theory

Section A

1. Marxism

Genealogy and definition; Scope and relevance in textual reading; Major theorists; Key terms Class, Base and Superstructure, Dialectics, Interpellation,

16 (L) + 3 (T)

2. Poststructuralism

Genealogy and definition; Scope and relevance Major theorists; Key terms. Logocentrism,, Binaries, Deconstruction, Hyperreal-Simulation.

21 (L) + 4 (T)

Section B

3. Feminism

Genealogy and definition; Scope and relevance in textual reading; Major theorists; Key terms. Phallogentrism, Androgyny, Sex and Gender, Ecriture Feminine

18 (L) + 3 (T)

4. Postcolonial Studies

Genealogy and definition; Scope and relevance in textual reading; Major theorists; Key terms (any 4)
Imperialism and Colonialism, Orientalism, Nation and Nationalism, Diaspora.

21 (L) + 4 (T)

Topics

The East and the West, Questions of Alterity, Power, Language, and Representation, The State and Culture

**76 Lectures +
14 Tutorials = 90**

Recommended Essays

- Antonio Gramsci, 'The Formation of the Intellectuals' and 'Hegemony (Civil Society) and Separation of Powers', in *Selections from the Prison Notebooks*, ed. and tr. Quentin Hoare and Geoffrey Novell Smith (London: Lawrence and Wishart, 1971) pp. 5, 245–6.
 - Louis Althusser, 'Ideology and Ideological State Apparatuses', in *Lenin and Philosophy and Other Essays* (New Delhi: Aakar Books, 2006) pp. 85–126.
 - Jacques Derrida, 'Structure, Sign and Play in the Discourse of the Human Science', tr. Alan Bass, in *Modern Criticism and Theory: A Reader*, ed. David Lodge (London: Longman, 1988) pp. 108–23.
 - Michel Foucault, 'Truth and Power', in *Power and Knowledge*, tr. Alessandro Fontana and Pasquale Pasquino (New York: Pantheon, 1977) pp. 109–33.
 - Elaine Showalter, 'Twenty Years on: A Literature of Their Own Revisited', in *A Literature of Their Own: British Women Novelists from Bronte to Lessing* (1977. Rpt. London: Virago, 2003) pp. xi–xxxiii.
 - Luce Irigaray, 'When the Goods Get Together' (from *This Sex Which is Not One*), in *New French Feminisms*, ed. Elaine Marks and Isabelle de Courtivron (New York: Schocken Books, 1981) pp. 107–10.
 - Mahatma Gandhi, 'Swaraj' 'Passive Resistance' and 'Education', in *Hind Swaraj and Other Writings*, ed. Anthony J Parel (Delhi: CUP, 1997) pp. 88–106.
 - Edward Said, 'The Scope of Orientalism' in *Orientalism* (Harmondsworth: Penguin, 1978) pp. 29–110.
 - Aijaz Ahmad, 'Indian Literature': Notes towards the Definition of a Category', in *In Theory: Classes, Nations, Literatures* (London: Verso, 1992) pp. 243–285.
 - Terry Eagleton, *Literary Theory: An Introduction* (Oxford: Blackwell, 2008).
 - Peter Barry, *Beginning Theory* (Manchester: Manchester University Press, 2002).
- David Hawkes. *Ideology*. Routledge Critical Idioms

OR

SEMESTER III [ONLY TICKED TEXTS]	
✓ GE – 3: CONTEMPORARY INDIA: WOMEN AND EMPOWERMENT	
<p>1. Social Construction of Gender:</p> <ul style="list-style-type: none"> ➤ Masculinity, Femininity ➤ Patriarchy ➤ Sex and Gender ➤ Gender Socialization ➤ Gender Discrimination ➤ Gender Stereotyping 	10(L) + 2(T)
<p>Text:</p> <ul style="list-style-type: none"> • 'Complicating Gender: Rights of Transsexuals in India' by Ashwini Sukthankar. From Nivedita Menon. <i>Sexualities: Issues in Contemporary Indian Feminisms</i> 	10(L) + 2(T)
<p>2. History of Women's Movements in india (Pre- and Post-Independence):</p> <ul style="list-style-type: none"> ➤ Women and Nationalism ➤ Women and Partition ➤ Women and Political Participation 	10(L) = 2(T)
<p>Texts: (any two)</p> <ul style="list-style-type: none"> • "Letters to a Wife: Satyandranath Tagore's Letters to Jynadanandini Tagore" from <i>Epistolary Cultures in 19th Century Bengal</i>, Stree Samya, Kolkata (Forthcoming) • Gholam Murshed. "Chapter Four" from <i>The Reluctant Debutante</i> • Urvashi Butalia. "Beginnings" from <i>The Other Side of Silence</i> • Jashodhara Bagchi and Shubharanjan Dasgupta. <i>The Trauma and the Triumph: Gender and Partition in Eastern India</i>, Vol. 1 ("Introduction") 	10(L) + 2(T)
<p>3. Women and Law:</p> <ul style="list-style-type: none"> ➤ Women and the Indian Constitution ➤ Personal Laws ➤ Customary Practices on Inheritance and Marriage 	8 (L) + 2 (T)
<p>Text:</p> <ul style="list-style-type: none"> • Sudhir Chandra. <i>Enslaved Daughters</i> [From <i>Women and Law in India: An Omnibus</i>] Selections to be taught: (a) Prologue, and (b) Chapter 1 (May be supplemented by workshop on legal awareness) 	8 (L) + 2 (T)
<p>4. Women and Violence:</p> <ul style="list-style-type: none"> ➤ State Interventions ➤ Domestic Violence ➤ Female Foeticide ➤ Sexual Harassment 	8 (L) + 2 (T)
<p>Texts: (any one)</p> <ul style="list-style-type: none"> • Rokeya Sakhawat Hussain – <i>Sultana's Dream</i> (ND) • Bama Faustina Soosairaj – <i>Karukku</i> (ND) 	10 (L) + 2 (T)
	74 Lectures +

THE UNIVERSITY OF BURDWAN



Syllabus for B. A. General Programme

in

English

UNDER SEMESTER WITH CBCS

(Effective from 2017- 18)

Type	Credits	Number of Courses	Total Credits
CC	6 Credits per Course (5 theory, 1 tutorial)	12	72
DSE	6 Credits per Course (5 theory, 1 tutorial)	4	24
GE	6 Credits per Course (5 theory, 1 tutorial)	2	12
AEC	AECC 1 – 4 Credits, AECC 2 – 2 Credits	2	6
SEC	2 Credits per Course	4	8
Total			122

SEMESTER III [ONLY TICKED TEXTS]	
✓ CC- 1C: CONTEMPORARY INDIA: WOMEN AND EMPOWERMENT	
<p>1. Social Construction of Gender:</p> <ul style="list-style-type: none"> ➤ Masculinity, Femininity ➤ Patriarchy ➤ Sex and Gender ➤ Gender Socialization ➤ Gender Discrimination ➤ Gender Stereotyping 	10(L) +2(T)
<p>Text:</p> <ul style="list-style-type: none"> • 'Complicating Gender: Rights of Transsexuals in India' by Ashwini Sukthankar. From Nivedita Menon. <i>Sexualities: Issues in Contemporary Indian Feminisms</i> 	10(L) + 2(T)
<p>2. History of Women's Movements in india (Pre- and Post-Independence):</p> <ul style="list-style-type: none"> ➤ Women and Nationalism ➤ Women and Partition ➤ Women and Political Participation 	10(L) = 2(T)
<p>Texts: (any two)</p> <ul style="list-style-type: none"> • "Letters to a Wife: Satyandranath Tagore's Letters to Jynadanandini Tagore" from <i>Epistolary Cultures in 19th Century Bengal</i>, Stree Samya, Kolkata (Forthcoming) • Gholam Murshed. "Chapter Four" from <i>The Reluctant Debutante</i> • Urvashi Butalia. "Beginnings" from <i>The Other Side of Silence</i> • Jashodhara Bagchi and Shubharanjan Dasgupta. <i>The Trauma and the Triumph: Gender and Partition in Eastern India</i>, Vol. 1 ("Introduction") 	10(L) + 2(T)
<p>3. Women and Law:</p> <ul style="list-style-type: none"> ➤ Women and the Indian Constitution ➤ Personal Laws ➤ Customary Practices on Inheritance and Marriage 	8 (L) + 2 (T)
<p>Text:</p> <ul style="list-style-type: none"> • Sudhir Chandra. <i>Enslaved Daughters</i> [From <i>Women and Law in India: An Omnibus</i>] Selections to be taught: (a) Prologue, and (b) Chapter 1 (May be supplemented by workshop on legal awareness) 	8 (L) + 2 (T)
<p>4. Women and Violence:</p> <ul style="list-style-type: none"> ➤ State Interventions ➤ Domestic Violence ➤ Female Foeticide ➤ Sexual Harassment 	8 (L) + 2 (T)
<p>Texts: (any one)</p> <ul style="list-style-type: none"> • Rokeya Sakhawat Hussain – <i>Sultana's Dream</i> (ND) • Bama Faustina Soosairaj – <i>Karukku</i> (ND) 	10 (L) + 2 (T)
74 Lectures +	

The University of Burdwan



Syllabus for B.A. / B.Sc. (Hons.)

in

Geography

under Semester with

Choice Based Credit System

w.e.f. 2017- 2018

CC 7 – Geography of India

6 Credits

Unit 1: Geography of India

1. Geology and physiographic divisions
2. Climate, soil and vegetation: Characteristics and classification
3. Population: Distribution, growth, structure and policy
4. Distribution of population by race, caste, religion, language, tribes
5. Agricultural regions, Green revolution and its consequences
6. Mineral and power resources distribution and utilisation of iron ore, coal, petroleum
7. Industrial development since independence.
8. Regionalisation of India: Views of Spate and Bhatt.

Unit 2: Geography of West Bengal

1. Physical perspectives: Physiographic divisions, forest and water resources
2. Population: Growth, distribution and human development
3. Resources: Mining, agriculture and industries
4. Regional Development: Darjeeling Hills and Sundarban

Reference Books

- Deshpande C. D., 1992: India: A Regional Interpretation, ICSSR, New Delhi.
- Johnson, B. L. C., ed. 2001. Geographical Dictionary of India. Vision Books, New Delhi.
- Mandal R. B. (ed.), 1990: Patterns of Regional Geography – An International Perspective. Vol. 3 – Indian Perspective.
- Sdyasuk Galina and P Sengupta (1967): Economic Regionalisation of India, Census of India
- Sharma, T. C. 2003: India - Economic and Commercial Geography. Vikas Publ., New Delhi.
- Singh R. L., 1971: India: A Regional Geography, National Geographical Society of India.
- Singh, Jagdish 2003: India - A Comprehensive & Systematic Geography, GyanodayaPrakashan, Gorakhpur.
- Spate O. H. K. and Learmonth A. T. A., 1967: India and Pakistan: A General and Regional Geography, Methuen.
- Tirtha, Ranjit 2002: Geography of India, RawatPubls., Jaipur & New Delhi
- Pathak, C. R. 2003: Spatial Structure and Processes of Development in India. Regional Science Assoc., Kolkata.
- Tiwari, R.C. (2007) Geography of India. PrayagPustakBhawan, Allahabad
- Sharma, T.C. (2013) Economic Geography of India. Rawat Publication, Jaipur

Generic Elective

For Students other than Geography Honours

GE 1. Geomorphology and Cartography

Unit I: Geotectonics and Geomorphology (Theory)

Credits 4

1. Weathering: Types and related landforms.
2. Lithosphere – Internal Structure of Earth based on Seismic Evidence,
3. Plate Tectonics and its associated landforms

Reference:

- Bergman, E.F (1995): Human Geography-Culture, Connections and Landscape, Prentice Hall, New Jersey
- Chisholm. (1975): Human Geography, Penguin Books, Hermondsworth.
- Daniel, P.A. and Hopkinson, M.F. (1989) The Geography of Settlement, Oliver & Boyd, London.
- Johnston R; Gregory D, Pratt G. et al. (2008) The Dictionary of Human Geography, Blackwell Publication.
- Jordan-Bychkov et al. (2006) The Human Mosaic: A Thematic Introduction to Cultural Geography. W. H. Freeman and Company, New York.
- Pearce D. (1995): Tourism Today: A Geographical Analysis, 2nd edition, Longman Scientific & Technical, London
- Pickering K. and Owen A. A. (1997): An Introduction to Global Environmental Issues, 2nd edition Rutledge, London.
- Raw, M. (1986): Understanding Human Geography: A Practical Approach, Bell and Hyman. London
- Rubenstein, J.M. (2002), The Cultural Landscape, 7th edition, Prentice Hall, Englewood Cliffs
- Smith D M (1982): Human Geography: A Welfare Approach, Edward Arnold, London

DSE-2 (Theoretical) : POPULATION GEOGRAPHY Credit: 6

Total Marks: 60+15

End Term Examination Time: 3 hours

Pattern of Setting Questions:

- 10 questions to be answered out of 15, each question carries 02 Marks. Total 20 Marks;
- 4 questions to be answered out of 6, each question carries 05 Marks, Each question shall have at least two parts. Total 20 Marks;
- 2 questions to be answered out of 4, each question carries 10 Marks, Each question shall have at least two parts. Total 20 Marks;
- Internal Assessment: 15 (Assessment 10 and Attendance 05) Marks

Unit 1: (2 Credits)

1. Development of Population Geography; Relation between Population Geography and Demography
2. Determinants of Population Dynamics; Concept of Optimum Population
3. Theories of population growth: Malthusian Theory and Marxian Approach, Demographic Transition Model
4. Distribution, Density and Growth of Population in India since 1951

Unit 2 : (4 Credits)

1. Population Composition and Characteristics: Age-Sex; Female-Male Ratio
2. Measures of Fertility and Mortality
3. Population Composition of India: Rural and Urban, Occupational Structure as per Census of India
4. Migration: Theories, Causes and Types
5. Concept of Human Development Index
6. Population and development: population-resource regions,
7. Population policies in Selected Countries: Sweden and China
8. Contemporary Issues in Population: Health and Unemployment

OR

DSE-2 (Theoretical) : SOCIAL GEOGRAPHY Credit: 6

Total Marks: 60+15

End Term Examination Time: 3 hours

Pattern of Setting Questions:

- 10 questions to be answered out of 15, each question carries 02 Marks, Total 20 Marks;
- 4 questions to be answered out of 6, each question carries 05 Marks, Each question shall have at least two parts. Total 20 Marks;
- 2 questions to be answered out of 4, each question carries 10 Marks, Totalling 20 Marks;
- Internal Assessment: 15 (Assessment 10 and Attendance 05 Marks) Marks

Unit: 1

1. Social Geography: Nature, Scope and Content
2. Social Groups and Social Behaviour
3. Concept of Social Structure and Process
4. Elements of Social Structure: Caste, Class, Religion, Race
5. Social Stratification in India

6. Contemporary Social Issues in India: Gender and Old-age

Unit:2

1. Concept of Social Well-being, Quality of Life
2. Indicators of Social Well-being after Knox and Smith
3. Social Pathology: Crime and Violence
4. Social Area Analysis after Shevky and Bell
5. Social Impact Assessment (SIA): Concept and Importance
6. Social Policies in India: Sarva Shiksha Abhiyan and NRHM

Reference:

Ahmed A., 1999: Social Geography, Rawat Publications.

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THE UNIVERSITY OF BURDWAN



Burdwan-713104, West Bengal

**SYLLABUS FOR B.A. HONOURS
IN
SANSKRIT
UNDER SEMESTER WITH CBCS
(Effective from 2017- 18)**

	B. Evolution of Bengali Scripts(10 classes) C. Letter writing in Sanskrit. (10 classes)				
	OR				
	Political Thought in Sanskrit Literature				
	I.Mudrārākṣasa –(Acts-I & II) (20 classes) II. Arthaśāstra- Śāsanādhikāra(20 classes)				
		Total		26	350

Semester - V

Course Code	Course Title	Course Type	L.T.P	Credit	MarkS
CC-11	Vedic Literature	Core Course	5-1-0	6	75
	Section-A (40 classes) R̥gvedasamhitā –(Agnisūkta-(2/6) , Indrasūkta-(2/12), Akṣasūkta-(10/34) , Devīsūkta-(10/125)				
	Section-B (10 classes) Declension of a-stems, Vedic Subjunctive, Vedic Infinitive, The Vedic Accent & Pada-pāṭha				
	Section-C (10 classes) Ísopaniṣad - Whole				
CC-12	Sanskrit Grammar	Core Course	5-1-0	6	75
	Section-A (20 classes) The Concept of the following Samjñās: Sūtra, Vārtika, Bhāṣya, Karmapravacanīya, Nipāta, Gati, Upasarga, Guṇa, Vṛddhi, Ṭi, Ghi, Ghu, Nadī, Upadhā and Samprasāraṇa.				
	Section- B (40 classes) Samāsa - (Selected Sūtras upto Dvandva Compound)				
DSE-1	Dramaturgy -- Sāhityadarpaṇa - Chapter- VI (60 classes) (Rūpaka, Nāndī, Vṛttis (without Aṃgas), Prastāvanā, Arthaprakṛti, Arthopakṣepaka, Patākāsthānakas, Kārya, Avasthā, Sandhi (without Aṃgas) & Nāṭikā	Discipline Specific Elective	5-1-0	6	75
	OR				
	Maxims in Sanskrit Language (60 classes)				
	Prastāvikā of Hitopadeśa- (verses-1-47)				
DSE-2	Elements of Linguistics – (60 classes) (I) Primitive Indo-European, Division of Indo-European, Indo-Iranian (Aryan), Emergence of Indo-Aryan, Non-Aryan Influence on Sanskrit, Vedic and Classical Sanskrit. (II) Some Phonetic Laws and Tendencies - Grimm's Law, Verner's Law, Grassmann's Law, Collitz's Law, Assimilation, Dissimilation Metathesis, Prothesis, Epenthesis, Anaptyxis and Haplology	Discipline Specific Elective	5-1-0	6	75

B.A./B.Sc. (General) Program in Physical Education w.e.f. 2017-18

1st Semester

Course Code	Course Title	Course Type	LTP	Credit	Marks
CC1A	Foundation and History of Physical Education	Core course	4-0-2	6	75
CC2A	Discipline-2 (Core-1) other than Physical Education	Core course		6	75
CC (Language)	Language 1A	Core course Language	5-1-0	6	75
AECC 1	Environmental Studies	AECC-1 compulsory	4-0-0	4	100
		SEMESTER TOTAL		22	325

B.A./B.Sc. Program in Physical Education

2nd Semester

Course Code	Course Title	Course Type	LTP	Credit	Marks
CC1B	Management of Physical Education and Sports	Core course	4-0-2	6	75
CC2B	Discipline-2(Core-2) other than Physical Education	Core course		6	75
CC(Language)	Language 2A	Core course Language	5-1-0	6	75
AECC-2	communicative ENG or MIL	AECC-2 Compulsory	2-0-0	2	50
		SEMESTER TOTAL		20	275

B.A./B.Sc. Program in Physical Education

3rd Semester

Course Code	Course Title	Course Type	LTP	Credit	Marks
CC1C	Anatomy, Physiology and Exercise Physiology	Core course	4-0-2	6	75
CC2C	Discipline-2 (Core-3) other than Physical Education	Core course		6	75
CC (Language)	Language 1B	Core course Language	5-1-0	6	75
SEC (1)	Track and Field	SEC	0-0-2	2	50
		SEMESTER TOTAL		20	275

B.A./B.Sc. Program in Physical Education

4th Semester

Course Code	Course Title	Course Type	LTP	Credit	Marks
CC1D	Health Education, Physical Fitness and Wellness	Core course	4-0-2	6	75
CC2D	Discipline-2 (Core-4) other than Physical education	Core course		6	75
CC (Language)	Language 2B	Core course Language	5-1-0	6	75
SEC (2)	Gymnastics and Yoga	SEC	0-0-2	2	50
		SEMESTER TOTAL		20	275

SEMESTER- 1

CORE PAPER-1: Foundation and History of Physical Education

Course Code- CC1A

Total number of classes - 60

Unit- I: Introduction

LH - 12

Meaning and definition of Physical Education.
Aim and objectives of Physical Education.
Modern concept of Physical Education.
Importance of Physical Education.

Unit- II: Biological and Sociological Foundations of Physical Education LH - 18

Biological Foundation- Meaning and definition of growth and development. Factors affecting growth and development. Differences of growth and development. Principles of growth and development.
Age- Chronological age, anatomical age, physiological age and mental age.
Sociological Foundation- Meaning and definition of Sociology, Society and Socialization.
Role of games and sports in National and International integration.

Unit- III: History of Physical Education

LH - 18

Historical development of Physical Education and Sports in India- Pre-Independence period and Post-Independence period.
Olympic Movement- Ancient Olympic Games and Modern Olympic Games.
Brief historical background of Asian Games and Commonwealth Games.
National Sports Awards- Arjuna Award, Rajiv Gandhi Khel Ratna Award, Dronacharya Award.

Unit- IV: Yoga Education

LH - 12

Meaning and definition of the term Yoga, types, aim, objectives and important of Yoga.
History of Yoga.
Astanga Yoga
Hatha Yoga

FIELD PRACTICAL

1. Learn and demonstrate the technique of Suryanamaskar.
2. Development of physical fitness through Callisthenics and Aerobic activities.

REFERENCES

1. Graham, G. (2001) Teaching Children Physical Education: Becoming a Master Teacher. Human Kinetics, Champaign, Illinois, USA.
2. Kamlesh, M.L. & Singh, M.K. (2006) Physical Education (Naveen Publication).
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4. Lumpkin, A. (2007) Introduction to Physical Education, Exercise Science and Sports Studies, McGraw Hill, New York, USA.
5. Siedentop, D. (2004) Introduction to Physical Education, Fitness and Sport, McGraw Hill Companies Inc., New York, USA.
6. Shaffer, D.R. (2002) Development Psychology: Childhood and Adolescence. Thomson, Sydney, Australia.
7. Shukla, (2000) Mother on Education, National Council of Teacher Education, New Delhi.
8. Singh, A. et al. (2000) Essential of Physical Education, Kalyani Publishers, Ludhiana, Punjab.
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The University of Burdwan



Syllabus for B.A.(Hons.)

in

Bengali

Under Semester with

Choice Based Credit System

w.e.f. 2020-21

অলংকার নিরূপণ:

(পঠনীয় গ্রন্থ : অলঙ্কারচন্দ্রিকা – শ্যামাপদ চক্রবর্তী)

Interdisciplinary/ Generic Elective (GE)

(For the students of other subjects)

Semester- I

GE – 1: প্রবন্ধসাহিত্য : বঙ্কিমচন্দ্র ও রবীন্দ্রনাথ (PrabandhaSahitya:Bankimchandra& Rabindranath)

Class 60

ক) বঙ্কিমচন্দ্র চট্টোপাধ্যায় : মনুষ্যফল, বসন্তের কোকিল, বিড়াল, আমার দুর্গোৎসব, আমার মন

খ) রবীন্দ্রনাথ ঠাকুর : কাব্যের উপেক্ষিতা, সাহিত্যের সামগ্রী, সাহিত্যের উদ্দেশ্য, রঙ্গমঞ্চ, লোকহিত

Semester -II

CC-3: পদাবলিসাহিত্য : বৈষ্ণবপদাবলী, শাক্তপদাবলি

Class 60

BaishnabPadabali, ShaktoPadabali

বৈষ্ণবপদাবলী – কলিকাতা বিশ্ববিদ্যালয় সংকলিত Class 30

পাঠ্য পদসমূহ: নীরদ নয়নে নীরঘন সিঞ্চনে; সহচর অঙ্গে গোরা অঙ্গ হেলাইয়া; শ্রীদামসুদামদাম শুন
ওরে বলরাম, ঘরের বাহিরে দণ্ডে শতবার; আলো মুঞি জানো না; এমন পিরীতি কভু দেখি নাহি শুনি;
সখি কি পুছসি অনুভব মোয়; কণ্টক গাঢ়ি কমলসম পদতল; গগনে অবঘন মেহ দারুণ; মন্দির বাহির
কঠিন কপাট; এ ঘোর রজনী মেঘের ঘটা; কি মোহিনী জান বঁধু; সুখের লাগিয়া এ ঘর বাঁধিনি; বঁধু
তোমার গরবে গরবিনী হাম; এ সখি হামারি দুখের নাহি ওর; প্রেমকঅঙ্কুর জাত আত ভেলা; পিয়া যব
আওব এ মঝু গেহে; মাধব বহুত মিনতি করি তোয়; হরি হরি হেনদিন হইবে আমার

শাক্তপদাবলি :

Class 30

শাক্তপদাবলী – (অমরেন্দ্রনাথ রায় সংকলিত)

পাঠ্য পদসমূহ: গিরিবর, আর আমি পারি নে হে; গিরি এবার আমার উমা এলে; কাল স্বপনে শঙ্করী; বল
গিরি এ দেহে কি আর প্রাণ রহে আর; কবে যাবে বল গিরিরাজ, গৌরীরে আনিতে; গিরিরাজ হে জামায়ে
এনো মেয়ের সঙ্গে; আর কেন কাঁদরাণি; আজ শুভ নিশি পোহাইল তোমার; তুমি তোমা ছিলে ভুলে;
ছিলাম ভাল জননী গো; ওরে নবমী নিশি; যোয়ো না রজনী আজি, লয়ে তারা দলে; ওহে প্রাণ নাথ
গিরিবর হে; কালী হলি মা রাসবিহারী; মজিল মন ভ্রমরা কালী-পদ; কেবল আসার আশা ভবে আসা ;

(পঠনীয়গ্রন্থ : ভাষার ইতিবৃত্ত- সুকুমারসেন, ভাষাতত্ত্ব- অতীন্দ্র মজুমদার, আধুনিক ভাষাবিজ্ঞান ও বাংলাভাষা-
রামেশ্বর শ', তুলনামূলক ও ঐতিহাসিক ভাষাবিজ্ঞান - হুমায়ুন আজাদ)

CC-7: উনিশ শতকের কাব্য (UnishShatakerkabya) Class 60

বীরাঙ্গনা কাব্য – মাইকেল মধুসূদন দত্ত

Class 30

(দুগ্ধশ্বেতের প্রতি শকুন্তলা, সোমের প্রতি তারা, দশরথের প্রতি কেকয়ী, লক্ষ্মণের প্রতি সূৰ্পণখা, পুরুরবার
প্রতি উর্বশী, নীলধ্বজের প্রতি জনা)

সারদামঙ্গল—বিহারীলাল চক্রবর্তী

Class 30

GE -3 : বাংলা সাহিত্যের ইতিহাস (Bangla Sahityer Itihās) Class 60

চর্যাগীতি, শ্রীকৃষ্ণকীর্তন, কৃত্তিবাস, কবিকঙ্কণ, কাশীরাম, বিদ্যাপতি, চণ্ডীদাস, গোবিন্দদাস, ভারতচন্দ্র,
ফোর্ট উইলিয়াম কলেজের গদ্যচর্চা, রাজা রামমোহন রায়, বিদ্যাসাগর

উপন্যাস : বঙ্কিমচন্দ্র, রবীন্দ্রনাথ, শরৎচন্দ্র

নাটক : মধুসূদন, গিরিশচন্দ্র, বিজন ভট্টাচার্য

ছোটোগল্প : রবীন্দ্রনাথ

প্রবন্ধ : রামেন্দ্রসুন্দর ত্রিবেদী

কবিতা : জীবনানন্দ দাশ, সুনীল গঙ্গোপাধ্যায়

SEC-1 : বাংলা ব্যাকরণ (Bangla Byakaran)

Class 20

পদপরিচয়, সন্ধি, সমাস

কারক, বিভক্তি, বাচ্য ও বাক্য পরিবর্তন

Semester IV

CC-8 : কবিতা (Kabita)

Class 60

রবীন্দ্রনাথের কবিতা

Class 30

(পাঠ্য কবিতাসমূহ: নির্ঝরনের স্বপ্নভঙ্গ , মেঘদূত, দুইপাখি, বিদায় অভিশাপ, ব্রাহ্মণ, হারিয়ে যাওয়া,
ছেলেটা, পৃথিবী)

আধুনিক বাংলা কবিতা – বর্ধমান বিশ্ববিদ্যালয় প্রকাশিত

Class 30

(পাঠ্যকবিতা : বনলতা সেন- জীবনানন্দ দাশ, মানুষ – কাজী নজরুল ইসলাম, শাস্ত্রী- সুধীন্দ্রনাথ দত্ত,
সংগতি – অমিয় চক্রবর্তী, হারিয়ে – প্রেমেন্দ্র মিত্র, একখানা হাত – বুদ্ধদেব বসু, তুমি শুধু পঁচিশে

বৈশাখ – বিষ্ণু দে, ভারতবর্ষ – দিনেশ দাস , একটি কবিতার জন্য – সুভাষ মুখোপাধ্যায়, কলকাতার
যীশু – নীরেন্দ্রনাথ চক্রবর্তী, প্রিয়তমাসু – সুকান্ত ভট্টাচার্য, জন্মভূমিকেই – শামসুর রাহমান, বাবরের
প্রার্থনা – শঙ্খ ঘোষ, যেতে পারি কিন্তু কেন যাব – শক্তি চট্টোপাধ্যায়, উত্তরাধিকার – সুনীল গঙ্গোপাধ্যায়)

CC – 9 : উপন্যাস (Upanyas)

Class 60

চন্দ্রশেখর – বঙ্কিমচন্দ্র চট্টোপাধ্যায়

Class 30

গণদেবতা – তারাশঙ্কর বন্দ্যোপাধ্যায়

Class 30

CC – 10 : নাটক (Natak)

Class 60

নীলদর্পণ – দীনবন্ধু মিত্র

Class 30

শারদোৎসব – রবীন্দ্রনাথ ঠাকুর

Class 30

GE- 4 : ভাষাতত্ত্ব (Bhasatattwa)

Class 60

বাংলা ভাষার উৎস, ইতিহাস ও যুগবিভাগ; প্রাচীন বাংলা, মধ্যবাংলা, আধুনিক বাংলার কালনির্ণয়, সাধারণ
লক্ষণ ও ভাষাতাত্ত্বিক বৈশিষ্ট্য; বাংলা শব্দভাণ্ডার; সাধু ও চলিত ভাষা; বাংলা উপভাষার সাধারণ পরিচয়।

SEC -2 : রচনাশক্তির নৈপুণ্য (Rachanashaktir Naipunya)

Class 20

- ক. ব্যক্তিগত ব্যবহারিক প্রাতিষ্ঠানিক পত্রলিখন
- খ. সংবাদপত্রে প্রকাশের উপযোগী প্রতিবেদন রচনা
- গ. অনুচ্ছেদ রচনা
- ঘ. ভাবার্থ ও ভাবসম্প্রসারণ

Semester V

CC – 11 : গল্প (Galpo)

Class 60

গল্পগুচ্ছ : রবীন্দ্রনাথ ঠাকুর

Class 30

পোস্টমাস্টার, কঙ্কাল, ত্যাগ, একরাত্রি, অনধিকার প্রবেশ, মেঘ ও রৌদ্র, নিশীথে, অতিথি, স্ত্রীর পত্র,
ল্যাবরেটরি

একালের গল্প (বর্ধমান বিশ্ববিদ্যালয় প্রকাশিত)

Class 30

পুঁইমাচা – বিভূতিভূষণ বন্দ্যোপাধ্যায়

জলসাঘর – তারাশঙ্কর বন্দ্যোপাধ্যায়

প্রাগৈতিহাসিক – মানিক বন্দ্যোপাধ্যায়

তেলেনাপোতা আবিষ্কার – প্রেমেন্দ্র মিত্র
ফসিল – সুবোধ ঘোষ
রস – নরেন্দ্রনাথ মিত্র
টোপ – নারায়ণ গঙ্গোপাধ্যায়
ভেবেছিলাম – সন্তোষকুমার ঘোষ
আদাব – সমরেশ বসু
সাঁঝ সকালের মা – মহাশ্বেতা দেবী

CC- 12 : প্রবন্ধ ও প্রাচ্য কাব্যতত্ত্ব (Prabandha O Prachya Kabyatattwa)

Class 60

প্রবন্ধ সংকলন (বর্ধমান বিশ্ববিদ্যালয় প্রকাশিত)

Class 30

লোকশিক্ষা – বঙ্কিমচন্দ্র চট্টোপাধ্যায়
সৎ-প্রসঙ্গ – মীর মশাররফ হোসেন
আমাদের ভাষা-সংকট – প্রমথ চৌধুরী
বাংলারব্রত – অবনীন্দ্রনাথ ঠাকুর
উপন্যাসের পূর্বসূচনা – শ্রীকুমার বন্দ্যোপাধ্যায়
পারিবারিক নারী সমস্যা – অনন্যদাশঙ্কর রায়
বাংলাকাব্যের গোড়ার কথা – হুমায়ুনকবীর
ক্লাইভ স্ট্রিটে চাঁদ – বুদ্ধদেব বসু
নিঃশব্দের তর্জনী – শঙ্খ ঘোষ

কাব্য জিজ্ঞাসা – অতুলচন্দ্র গুপ্ত

Class 30

(পাঠ্য অংশ ধ্বনি, রস)

DSE-1: উনিশ শতকের বাংলা কাব্য ও প্রবন্ধ(Unish Sataker Bangla Kabya O Prabandha) Class 60

১। উনিশ শতকের বাংলা আখ্যানকাব্য ও গীতিকবিতা

Class 30

উনিশ শতকের আখ্যানকাব্য উদ্ভবের সামাজিক ঐতিহাসিক ও সাংস্কৃতিক প্রেক্ষাপট, বিষয় ও আঙ্গিকগত বৈশিষ্ট্য, আখ্যানকাব্যের বিলোপ, উনিশ শতকের আখ্যানকাব্যের প্রতিনিধিস্থানীয় কবি ও তাঁদের কাব্যবৈশিষ্ট্য।

উনিশ শতকের গীতিকবিতার উদ্ভবের প্রেরণা, সামাজিক ঐতিহাসিক ও সাংস্কৃতিক প্রেক্ষাপট, বিষয় ও আঙ্গিকগত বৈশিষ্ট্য, আখ্যানকাব্যের বিলোপ, উনিশ শতকের গীতিকবিতার প্রতিনিধিস্থানীয় কবি ও তাঁদের কাব্যবৈশিষ্ট্য।

The University of Burdwan



Syllabus for B.A.(Hons.)

in

Political Science

Under Semester with

Choice Based Credit System

w.e.f. 2017-2018 onward

2. Pradeep Sachdeva, *Local Government In India*
3. PC Mathur, *Decentralization And Local Politics*, Sage Publications
4. LC Jain, *Decentralization In Government*, Orient Blackswann.
5. Bidyut Chakraborty, *Localising Governance In India*
6. Bidyut Chakraborty, *Decentralisation And Local Governance*
7. Mohit Bhattacharyya, *Indian Administration*, World Press
8. R.N. Prasad, *Urban Local-Self Government In India*

Generic Elective (FOR THE STUDENTS OF OTHER DISCIPLINES)

GE-3 : INDIAN POLITICAL THOUGHT 6 Credits Total Classes : 60

1. **Ancient Indian Political Thought : Features ; Kautilya's theory of Saptanga and the concept of 'Dandaniti'.**
2. **Main features of medieval Muslim Political Thought.**
3. **Rammohun Roy : perception of British Colonial Rule and their role as Modernizers.**
4. **Bankim, Vivekananda : Nationalism.**
5. **Gandhi : Satyagraha; trusteeship**
6. **Tagore ; State, Society and Nation.**
7. **Ambedkar : Social Justice.**

Suggested Readings:

1. Altekar, A.S., *State and Government in Ancient India* (Delhi: Motilal Banarsidass)
2. Varma, V. P., *Ancient and Medieval Indian Political Thought* (Agra: Lakshmi Narayan Agarwal)
3. Varma, V. P., *Modern Indian Political Thought* (Agra: Lakshmi Narayan Agarwal)
4. Pantham, T and Deutsch, K. L., *Political Thought In Modern India* (ed.), (New Delhi: Sage Publications)
5. Chakraborty, B and Pandey, R. K., *Modern Indian Political Thought*, (New Delhi: Sage)

SEC-1 : Legislative Support 2 Credits Total Classes: 30

1. **Powers and functions of people's representatives at different tiers of governance – Members of Parliament; State Legislative Assemblies.**

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Syllabus for B.A. (Hons.)

in

Philosophy

Under Choice Based Credit System

w.e.f. 2017-2018 onwards

4. **Critical Theory of Kant**
5. **Theories of Causation** : Regularity Theory and Entailment Theory
6. **Substance** : Views of Descartes, Spinoza, Locke and Berkeley
7. **Relation between Mind and Body**: Interactionism and Parallelism
8. **Theories of Evolution** : Mechanistic and Emergent

Recommended Texts:

1. Falkenberg : History of Western Philosophy
2. Sibapada Chakraborty : General Philosophy

Reference:

- Sibapada Chakraborty : An Introduction to General Philosophy
- Ramchandra Pal : Darshan Parichay
- Rama Prasad Das & Sibapada Chakraborty : Pashcatya Darshaner Ruprekha
- Niradbaran Chakraborty : Pashcatya Darshaner Bhumika

Course Code	Course Title	Course Type	L - T - P	Credit	Marks
AECC- 2	Communicative Eng./ MIL	Ability Enhancement Course	2-0-0	2	50

Semester- 3

Course Code	Course Title	Course Type	L - T - P	Credit	Marks
CC- 5	Indian Ethics	Core Course	5 - 1 - 0	6	75

Recommended Topics:

1. **puruṣārtha** (Cārvāka and Āstikaviews)
2. **Vedic Concepts** : ṛta, satya, yajña, ṛṇa
3. **Ethics in Śrīmadbhagavadgītā** : niṣkāmakarma and sthitaprajña
4. **Buddhist Ethics** : pañcaśīla and brahmavihāra
5. **Jaina Ethics** : pañcavrata: mahāvratā and anuvrata, and triratna
6. **Yoga Ethics** : yama and niyama

Recommended Texts:

- S. K. Maitra : The Ethics of the Hindus
- I. C. Sharma : The Ethical Philosophy of India

References :

- K. N. Tewari, Classical Indian Ethical Thought
- Peter Hervey : Buddhist Ethics
- Sukhamoy Bhattacharya : Purvamimamsa Darshan

- Jagadish Chandra Ghosh :Bhagavadgita
- Somnath Chakraborty : NitividyarTattvakatha
- Sibapada Chakraborty : Nitividya
- Dikshit Gupta : Nitishastra
- Indrani Sanyal & Ratna Dutta Sharma (ed.) : Dharmaniti O Sruti
- Amita Chatterjee (ed.) : Bharatiya Dharmaniti
- Dhruva Acharyya: NitishastreSukhabad

Course Code	Course Title	Course Type	L - T - P	Credit	Marks
CC- 6	Western Ethics	Core Course	5 - 1 - 0	6	75

Recommended Topics:

1. Nature and Scope of Ethics
2. Nature of Morality
3. Moral and Non-moral actions
4. Object of Moral Judgment: Motive and Intention
5. Postulates of Morality
6. The Development of Morality
7. Normative Theories : Consequentialism (Teleology): (a) Hedonism, (b) Act Utilitarianism and Rule Utilitarianism; (c) Act Deontology and Rule Deontology, (d) Kant's Moral Theory
8. Theories of Punishment: Retributive, Deterrent and Reformatory Theory
9. Issues in Applied Ethics: (a) Suicide, (b) Euthanasia, (c) Gender Equality, (d) Affluence and Morality

Recommended Texts:

- W. Frankena: Ethics
- Y. V. Satyanarayan : Ethics : Theory and Practice

References:

- W. Lillie : An Introduction to Ethics
- J. S. Mackenzie : A Manual of Ethics
- P. Singer : Practical Ethics
- A.S.M. Abdul Khalek : NitividyarTattvakatha
- Somnath Chakraborty : NitividyarTattvakatha
- Somnath Chakraborty : Kathay Karme Ethics
- Mrinal Kanti Bhadra : Nitividya
- Dikshit Gupta : Nitishastra
- Dhruva Acharyya: Paribesh Nitishastrer Paricay
- Shefali Moitra: Naribad o Naitikata
- Shefali Moitra: Feminist Thought
- Rajshree Basu : Naribad
- Rajshree Basu & Basabi Chakraborty (ed.): Prasanga: Manabividya

S. Radhakrishnan, Md. Iqbal and Mahatma Gandhi

- Rabindranath Tagore:** (a) Nature of Man : The Finite Aspect of Man, the Infinite Aspect of Man , (b) Nature of Religion and (c) Surplus in Man
- **Swami Vivekananda :** (a) Practical Vedānta and (b) Universal Religion
- **SriAurobindo:** (a) Nature of Reality, (b) Human Evolution– its different stages and (c) Integral Yoga
- S.Radhakrishnan:** (a) Nature of Man, (b) Nature of Religious Experience
- Md. Iqbal:** (a) Nature of the Self, (b) Nature of the World and (c) Nature of God
- Mahatma Gandhi:** (a) God and Truth and (b) Ahimsa

Recommended Texts :

- B. K. Lal : Contemporary Indian Philosophy
- D. M. Dutta : Chief Currents of Contemporary Philosophy
- Binay Gopal Roy : Contemporary Indian Philosophers

References:

- The Complete Works of Swami Vivekananda (vol. II), Advaita Ashram, Calcutta

Course Code	Course Title	Course Type	L - T - P	Credit	Marks
SEC- 2	Philosophy of Human Rights	Skill Enhancement Course	2 - 0 - 0	2	50

Recommended Topics:

1. **Definition and Nature of Human Rights**
2. **The Idea of Human Rights: Its Origins and Historical Developments during Ancient period, Modern Period and Contemporary Period**
3. **The Idea of Natural Law and Natural Rights: Thomas Hobbes and John Locke**
4. **Natural Right, Fundamental Right and Human Right**
5. **Preamble, Fundamental Rights and Duties (Indian Constitution) Recommended**

Texts:

- Patrick Hayden (ed.): The Philosophy of Human Rights, Paragon House, St. Paul, First Edition, 2001.
- Morton E. Winston (ed.): The Philosophy of Human Rights, Wadsworth Publishing Co. Belmont, California, 1989.
- Jeremy Waldron (ed.): Theories of Rights, Oxford University Press, Oxford, 1984

References:

- Ashwani Peetush and Jay Drydyk: Human Rights: India and West, Oxford University Press, New Delhi, 2015
- James Nickel: Making Sense of Human Rights, Blackwell Publishing, Oxford, 2007
- Henry Shue: Basic Rights: Subsistence, Affluence and U. S. Foreign Policy, Princeton University Press, Princeton, 1980
- Gary, B. Herbert: Philosophical History of Human Rights, Transaction Publishers, New Jersey, 2002
- Michael Freedon: Rights, Worldview Publications, New Delhi, 1998
- Lynn Hunt: Inventing Human Rights: A History, Norton & Company, New York, 2007

**CURRICULUM
FOR
B.A. GENERAL
IN EDUCATION**

UNDER CHOICE BASED CREDIT SYSTEM

**BURDWAN UNIVERSITY
BURDWAN, WEST BENGAL**

Suggested References:

- Basu, A.N. Education in Modern India
- Banerjee, J.P. Education in India-Past, Present and Future
- Mukherjee, S.N. Education in India, Today and Tomorrow
- Mukherjee, S.N. History of Education (Modern Period)
- Nurullah, S, Naik J.P. History of Education in India
- Rawat, P.L. History of Indian Education
- ❖ Bengali Books on History of Education in India

Course: CC-2D : (Dis. Other than Edn.)

Course: SEC-2: Value Education

Full Marks: 50

Course Contents:**Unit –I:**

- Value in Education: Meaning and Concept
- Needs of Value Education

Unit –II:

- Morality: Meaning & Concept.
- Morality and Values in Education.
- Role of Parents to Facilitate Children’s Moral Development

Unit –III:

- Social Values.
- Values in Classroom.
- Inculcation of Values among the students

Unit –IV:

- Peace Education: Meanings and Aims.
- Values in Peace Education.
- Values and Human Rights Education

Suggested References:

- The moral child – Damon, W. New York: The free press.
- Values in Education and Education in value – Halstead, J. Mark. London.
- The Psychology of moral Development – Kohlberg. New York.
- Values Education – Bagchi, J.P: University Book House (P) Ltd.
- Human Rights – A source Book – Dev, Arjun et. al. NCERT, New Delhi.
- Human Development Report – 2002, UNDP – New York and Oxford.
- Values and Teaching : Working with values in the Classroom,
- ❖ Bengali Books on Value Education

Course: Language(Core): Language -2 (Hindi/MIL – L₂- 2):

Full Marks: 75

Course Contents:

THE UNIVERSITY OF BURDWAN



Burdwan-713104, West Bengal

**SYLLABUS FOR B.A. HONOURS PROGRAMME
IN
ENGLISH**

UNDER SEMESTER WITH CBCS

(Effective from 2017- 18)

Only ticked courses are chosen for reading and evaluation

ND stands for non-detailed study

Type	Credits	Number of Courses	Total credits
CC	6 credits per Course (5 theory, 1 tutorial)	14	84
DSE	6 credits per Course (5 theory, 1 tutorial)	4	24
GE [any discipline other than English]	6 credits per Course (5 theory, 1 tutorial)	4	24
AEC	AECC 1 – 4 credits, AECC 2 – 2 Credits	2	6
SEC	2 credits per paper	2	4
Total			142

SEMESTER II

<p>✓ CC - III: Indian Writing in English</p>	
<p>Section A</p>	
1. Lal Behari Day: <i>Govinda Samanta or the History of Bengal Raiyat</i> (ND)	20 (L) + 4 (T)
2. Anita Desai: <i>Clear Light of Day</i>	20 (L) + 4 (T)
<p>Section B</p>	
3. a) H.L.V. Derozio: 'Freedom to the Slave'	3 (L) + 1 (T)
b) Kamala Das: 'Introduction'	3 (L) + 1(T)
c) Nissim Ezekiel: 'The Night of the Scorpion'	3 (L) + 1(T)
d) Robin S. Ngangom: 'A Poem for Mother'	3 (L) + 1 (T)
4. Mahesh Dattani: <i>Bravely Fought the Queen</i> (ND)	22 (L) + 4 (T)
<p>Topics</p>	
Indian English, Indian English Literature and its Readership, Themes and Contexts of the Indian English Novel, The Aesthetics of Indian English Poetry, Modernism in Indian English Literature	74 Lectures + 16 Tutorials = 90
<p>Recommended Readings</p>	
1. Raja Rao. Foreword to <i>Kanthapura</i> (New Delhi: OUP, 1989) pp. v–vi.	
2. Salman Rushdie. 'Commonwealth Literature does not exist', in <i>Imaginary Homelands</i> (London: Granta Books, 1991) pp. 61–70.	
3. Meenakshi Mukherjee. 'Divided by a Common Language', in <i>The Perishable Empire</i> (New Delhi: OUP, 2000) pp.187–203.	
4. Bruce King. 'Introduction', in <i>Modern Indian Poetry in English</i> (New Delhi: OUP, 2 nd edn, 2005) pp. 1–10.	

SEMESTER III

✓ CC - VI: Popular Literature

Section A

1. Lewis Carroll: *Alice's Adventures in Wonderland* (ND)
2. Agatha Christie: *The Murder of Roger Ackroyd*

20 (L) + 4 (T)

20 (L) + 4(T)

Section B

3. L. Frank Baum: *The Wonderful Wizard of Oz* (ND)
4. Herge: *Tintin in Tibet*

15 (L) + 3 (T)

20 (L) + 4 (T)

Topics

Coming of Age, The Canonical and the Popular, Caste, Gender and Identity, Ethics and Education in Children's Literature, Sense and Nonsense, The Graphic Novel

75 Lectures +

15 Tutorials = 90

Recommended Readings

1. Martin Gardner's *The Annotated Alice*.
2. Sumathi Ramaswamy. 'Introduction', in *Beyond Appearances?: Visual Practices and Ideologies in Modern India* (Sage: Delhi, 2003) pp. xiii–xxix.
3. Leslie Fiedler. 'Towards a Definition of Popular Literature', in *Super Culture: American Popular Culture and Europe*, ed. C.W.E. Bigsby (Ohio: Bowling Green University Press, 1975) pp. 29–38.
4. Felicity Hughes. 'Children's Literature: Theory and Practice', *English Literary History*, vol. 45, 1978, pp. 542–61.

SEMESTER VI

✓ DSE –3

A: Literary Theory

Section A

1. Marxism

Genealogy and definition; Scope and relevance in textual reading; Major theorists; Key terms Class, Base and Superstructure, Dialectics, Interpellation,

16 (L) + 3 (T)

2. Poststructuralism

Genealogy and definition; Scope and relevance Major theorists; Key terms. Logocentrism,, Binaries, Deconstruction, Hyperreal-Simulation.

21 (L) + 4 (T)

Section B

3. Feminism

Genealogy and definition; Scope and relevance in textual reading; Major theorists;Key terms. Phallogentrism, Androgyny, Sex and Gender, Ecriture Feminine

18 (L) + 3 (T)

4. Postcolonial Studies

Genealogy and definition; Scope and relevance in textual reading; Major theorists;Key terms (any 4)

21 (L) + 4 (T)

Imperialism and Colonialism, Orientalism, Nation and Nationalism, Diaspora.

Topics

The East and the West, Questions of Alterity, Power, Language, and Representation, The State and Culture

**76 Lectures +
14 Tutorials = 90**

Recommended Essays

- Antonio Gramsci, 'The Formation of the Intellectuals' and 'Hegemony (Civil Society) and Separation of Powers', in *Selections from the Prison Notebooks*, ed. and tr. Quentin Hoare and Geoffrey Novell Smith (London: Lawrence and Wishart, 1971) pp. 5, 245–6.
- Louis Althusser, 'Ideology and Ideological State Apparatuses', in *Lenin and Philosophy and Other Essays* (New Delhi: Aakar Books, 2006) pp. 85–126.
- Jacques Derrida, 'Structure, Sign and Play in the Discourse of the Human Science', tr. Alan Bass, in *Modern Criticism and Theory: A Reader*, ed. David Lodge (London: Longman, 1988) pp. 108–23.
- Michel Foucault, 'Truth and Power', in *Power and Knowledge*, tr. Alessandro Fontana and Pasquale Pasquino (New York: Pantheon, 1977) pp. 109–33.
- Elaine Showalter, 'Twenty Years on: A Literature of Their Own Revisited', in *A Literature of Their Own: British Women Novelists from Bronte to Lessing* (1977. Rpt. London: Virago, 2003) pp. xi–xxxiii.
- Luce Irigaray, 'When the Goods Get Together' (from *This Sex Which is Not One*), in *New French Feminisms*, ed. Elaine Marks and Isabelle de Courtivron (New York: Schocken Books, 1981) pp. 107–10.
- Mahatma Gandhi, 'Swaraj' 'Passive Resistance' and 'Education', in *Hind Swaraj and Other Writings*, ed. Anthony J Parel (Delhi: CUP, 1997) pp. 88–106.
- Edward Said, 'The Scope of Orientalism' in *Orientalism* (Harmondsworth: Penguin, 1978) pp. 29–110.
- Aijaz Ahmad, "Indian Literature": Notes towards the Definition of a Category', in *In Theory: Classes, Nations, Literatures* (London: Verso, 1992) pp. 243–285.
- Terry Eagleton, *Literary Theory: An Introduction* (Oxford: Blackwell, 2008).
- Peter Barry, *Beginning Theory* (Manchester: Manchester University Press, 2002).

David Hawkes. *Ideology*. Routledge Critical Idioms

OR

The University of Burdwan



Syllabus for B.A. / B.Sc. (Hons.)

in

Geography

under Semester with

Choice Based Credit System

w.e.f. 2017- 2018

5. Survey of India Topographical Maps: Reference scheme of Old and Open series
6. Delineation of Drainage Basin from Survey of India Topographical Map. Concept of Relief, Slope and Stream Order.
7. Types of rocks and minerals. Characteristics of Granite, Basalt, Dolerite, Pegmatite, Gneiss, Shale, Sandstone, Slate, Marble, Quartzite, Quartz, Feldspar, Mica, Limestone, Calcite, Bauxite, Magnetite, Hematite, Galena
8. Concept of Bedding Plane, Unconformity and Non-conformity, thickness of Bed, Dip, Throw, Hade, heave

CC2 (Practical) – Cartographic Techniques and Geological map study 2 Credits

1. Construction of Scales: Plain, Comparative, Diagonal and Vernier
2. Construction of Projections: Polar Zenithal Stereographic, Simple Conic with two Standard Parallels, Bonne's and Mercator's
3. Construction and Interpretation of Relief Profiles (Superimposed, Projected and Composite), Preparation of Relative Relief Map, Slope map (Wentworth), and Stream Ordering (Strahler) on a Drainage Basin.
4. Geological Map (Problems related to Horizontal, Uniclinal, Folded and Faulted structure); Drawing of Geological section and Interpretation of the Map.

*A Project File, comprising one exercise each is to be submitted.

Reference Books

Anson R. and Ormelling F. J., 1994: International Cartographic Association: Basic Cartographic Vol. Pregmen Press.
 Gupta K.K. and Tyagi, V. C., 1992: Working with Map, Survey of India, DST, New Delhi.
 Mishra R.P. and Ramesh, A., 1989: Fundamentals of Cartography, Concept, New Delhi
 Monkhouse F. J. and Wilkinson H. R., 1973: Maps and Diagrams, Methuen, London.
 Robinson A. H., 2009: Elements of Cartography, John Wiley and Sons, New York
 Singh R. L. and Singh R. P. B., 1999: Elements of Practical Geography, Kalyani Publishers.
 Sarkar, A. 2015: Practical geography: A systematic approach. Orient Black Swan Private Ltd., New Delhi

CC3 (Theory) – Human Geography

6 Credits

Unit 1: Nature and Principles

1. Nature, scope and recent trends of Human Geography
2. Evolution of humans, concept of race and ethnicity; Major Racial Groups of the world
3. Space, society and cultural regions (language and religion)
4. Concept of Culture, Cultural Diffusion, Convergence, Cultural Realms of the world

Unit 2: Society, Demography and Ekistics

1. Evolution of human societies: Hunting and gathering, Pastoral nomadism, Subsistence farming, Industrial and urban societies
2. Human - environment relations with special reference to Arctic and hot desert regions

3. Population growth and distribution, population composition; demographic transition model
4. Population–Resource regions
5. Human, population and environment relations with special reference to development– environmentconflict
6. Social morphology and rural house types in India
7. Types and patterns of rural settlements
8. Functional Classification of urban settlements

Reference Books

Bergman, E.F (1995): Human Geography-Culture, Connections and Landscape, Prentice Hall, New Jersey
 Chisholm. (1975): Human Geography, Penguin Books, Hermondsworth.

Daniel, P.A. and Hopkinson, M.F. (1989) The Geography of Settlement, Oliver & Boyd, London.

Johnston R; Gregory D, Pratt G. et al. (2008) The Dictionary of Human Geography, Blackwell Publication.

Jordan-Bychkov et al. (2006) The Human Mosaic: A Thematic Introduction to Cultural Geography. W. H. Freeman and Company, New York.

Pearce D. (1995): Tourism Today: A Geographical Analysis, 2nd edition, Longman Scientific & Technical, London

Pickering K. and Owen A. A. (1997): An Introduction to Global Environmental Issues, 2nd edition Rutledge, London.

Raw, M. (1986): Understanding Human Geography: A Practical Approach, Bell and Hyman. London

Rubenstein, J.M. (2002), The Cultural Landscape, 7th edition, Prentice Hall, Englewood Cliffs Smith

D M (1982): Human Geography: A Welfare Approach, Edward Arnold, London

CC4 (Theory) – Cartograms, Survey and Thematic Mapping

4 Credits

1. Concepts of Cartograms and Thematic Maps
2. Concept and utility of Isopleths and Choropleth,
3. Concept, utility, and interpretation of :Climograph, Hythergraph and Ergograph
4. Preparation and interpretation of demographic charts and diagrams (Age-Sex Pyramid)
5. Concepts of Bearing: magnetic and true, whole-circle and reduced
6. Basic concepts of surveying and survey equipments: Abneys Level, Clinometer
7. Basic concepts of surveying and survey equipments: Prismatic Compass, Dumpy Level, Transit Theodolite
8. Interpretation of Land use and land cover maps

CC4 (Practical) – Cartograms, Survey and Thematic Mapping

2 Credits

1. Diagrammatic representation of data: Star and Age-sex pyramid diagram, pie diagram
2. Representation of data on map by proportional circles, dots and spheres, isolines and Choropleth method.
3. Contouring by Dumpy Level and Prismatic Compass

Unit 1: (2 Credits)

1. Development of Population Geography; Relation between Population Geography and Demography
2. Determinants of Population Dynamics; Concept of Optimum Population
3. Theories of population growth: Malthusian Theory and Marxian Approach, Demographic Transition Model
4. Distribution, Density and Growth of Population in India since 1951

Unit 2 : (4 Credits)

1. Population Composition and Characteristics: Age-Sex; Female-Male Ratio
2. Measures of Fertility and Mortality
3. Population Composition of India: Rural and Urban, Occupational Structure as per Census of India
4. Migration: Theories, Causes and Types
5. Concept of Human Development Index
6. Population and development: population-resource regions,
7. Population policies in Selected Countries: Sweden and China
8. Contemporary Issues in Population: Health and Unemployment

OR

DSE-2 (Theoretical) : SOCIAL GEOGRAPHY Credit: 6

Total Marks: 60+15

End Term Examination Time: 3 hours

Pattern of Setting Questions:

- 10 questions to be answered out of 15, each question carries 02 Marks, Total 20 Marks;
- 4 questions to be answered out of 6, each question carries 05 Marks, Each question shall have at least two parts. Total 20 Marks;
- 2 questions to be answered out of 4, each question carries 10 Marks, Totalling 20 Marks;
- Internal Assessment: 15 (Assessment 10 and Attendance 05 Marks) Marks

Unit: 1

1. Social Geography: Nature, Scope and Content
2. Social Groups and Social Behaviour
3. Concept of Social Structure and Process
4. Elements of Social Structure: Caste, Class, Religion, Race
5. Social Stratification in India

6. Contemporary Social Issues in India: Gender and Old-age

Unit:2

1. Concept of Social Well-being, Quality of Life
2. Indicators of Social Well-being after Knox and Smith
3. Social Pathology: Crime and Violence
4. Social Area Analysis after Shevky and Bell
5. Social Impact Assessment (SIA): Concept and Importance
6. Social Policies in India: Sarva Shiksha Abhiyan and NRHM

Reference:

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▶ Cater J. and Jones T., 2000: Social Geography: An Introduction to Contemporary Issues, Hodder Arnold.

▶ Holt L., 2011: Geographies of Children, Youth and Families: An International Perspective, Taylor & Francis.

▶ Panelli R., 2004: Social Geographies: From Difference to Action, Sage.

▶ Rachel P., Burke M., Fuller D., Gough J., Macfarlane R. and Mowl G., 2001: Introducing Social Geographies, Oxford University Press.

▶ Smith D. M., 1977: Human geography: A Welfare Approach, Edward Arnold, and London.

▶ Smith D. M., 1994: Geography and Social Justice, Blackwell, Oxford

▶ Sopher, David (1980): An Exploration of India, Cornell University Press, Ithasa

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THE UNIVERSITY OF BURDWAN



Burdwan-713104, West Bengal

**SYLLABUS FOR B.A. HONOURS
IN
SANSKRIT
UNDER SEMESTER WITH CBCS
(Effective from 2017- 18)**

Semester -II

Course Code	Course Title	Course Type	L.T.P	Credit	Marks
CC -3	Classical Sanskrit Literature(Prose)	Core Course	5-1-0	6	75
	Section-A (15 classes) Śukanāsopadeśa- Kādambarī (As in Sanskrit Pāṭhamālā, B.U. (evaṃ samatīkrāmatsu-----bhrātara ucchedyāḥ)				
	Section-B (15 classes) Daśakumāracarita-(Rājavāhanacarita)--- As in Sanskrit Pāṭhamālā ,BU				
	Section-C (30 classes) (I)The History of Sanskrit Literature (Prose). (Subandhu, Daṇḍin, Bāṇabhaṭṭa) (II) The History of Sanskrit Literature (Fables) (Pañcatantra, Hitopadeśa, Vetālapañcavimśati, Sinhāsanadvāt rimśikā, Puruṣaparīkṣā)				
CC-4	Self Management in the Gītā	Core Course	5-1-0	6	75
	Section-A (35 classes) Śrīmadbhagavadgītā (Adhyāya-4 th)(Whole)				
	Section-B (25 classes) Selected ślokas from the Gītā I. Meditation -Adhyāya-VI (10-26) II. Diet Control-Adhyāya-XVII (8-10) III. Rajogūṇa- Adhyāya III (36-40)				
GE -2	Interdisciplinary (Any Discipline other than Sanskrit) (60 classes)	Generic Elective Course	5-1-0	6	75
AECC-2	Communicative English/MIL		2-0-0	2	50
		Total		20	275

Semester -III

Course Code	Course Title	Course Type	L.T.P	Credit	MarkS
CC -5	Classical Sanskrit Literature (Drāmā)	Core Course	5-1-0	6	75
	Section-A (40 classes) (I)Abhijñānaśakuntala (I-V)				
	Section-B (20 classes) (I)The History of Sanskrit Literature (Drāmā) (Bhāsa, Kālidāsa, Śūdraka, Viśākhadatta, Śrīharṣa, Bhavabhūti, Bhaṭṭanārāyaṇa)				
CC-6	Poetics and Literary Criticism	Core Course	5-1-0	6	75
	Section-A (35 classes) (I) Vāmana's kāvyālaṅkārasūtravṛtti – First Adhikaraṇa-- (Chapters –I, II & III) (II) Metrics – A General Concept of Sanskrit Metres and the definitions of the following Meters --- (Indravajrā Upendravajrā, Upajāti, Vamśasthavila, Vasantatilaka, Mālinī & Mandākrāntā)				
	Section-B (25 classes) (I) Sāhityadarpaṇa –Chapter-X (Śleṣa, Upamā, Rūpaka, Utprekṣā, Atiśayokti, Dṛṣṭānta, Nidarśanā & Arthāntaranyāsa)				
CC-7	Indian Social Institution and Polity	Core Course	5-1-0	6	75
	Section-A (35 classes) Manusamhitā –Chapter-VII State Politics-(1-15), Upāyacatuṣṭaya-(106-110) & Sādḡuṇya –(161-170)				
	Section-B. Arthaśāstra- (Dūtapraṇidhi) (25 classes)				
GE-3	Interdisciplinary (Any Discipline other than Sanskrit) (60 classes)	Generic Elective Course	5-1-0	6	75
SEC-1	Basic Sanskrit				
	Section-A (10 classes) Brāhmī Script Writing	AEC (Skill Based)	2-0-0	2	50
	Section-B (7 classes) Declensions (a-kārānta, i-kārānta, u-kārānta and ṛ-kārānta - Masculine, Feminine & Neuter, Pronouns & Number)				
	Section-C (7 classes) Conjugations – (Bhū, Paṭh, Gam, Dṛś, Sev, Labh, Pac, Vṛt, Kṛ, Dā, Śru, Jñā - laṭ, loṭ laṅ, liṅ & lṛṭ)				
	Section-D (6 classes) Translation				

B.A./B.Sc. (General) Program in Physical Education w.e.f. 2017-18**1st Semester**

Course Code	Course Title	Course Type	LTP	Credit	Marks
CC1A	Foundation and History of Physical Education	Core course	4-0-2	6	75
CC2A	Discipline-2 (Core-1) other than Physical Education	Core course		6	75
CC (Language)	Language 1A	Core course Language	5-1-0	6	75
AECC 1	Environmental Studies	AECC-1 compulsory	4-0-0	4	100
			SEMESTER TOTAL	22	325

B.A./B.Sc. Program in Physical Education**2nd Semester**

Course Code	Course Title	Course Type	LTP	Credit	Marks
CC1B	Management of Physical Education and Sports	Core course	4-0-2	6	75
CC2B	Discipline-2(Core-2) other than Physical Education	Core course		6	75
CC(Language)	Language 2A	Core course Language	5-1-0	6	75
AECC-2	communicative ENG or MIL	AECC-2 Compulsory	2-0-0	2	50
			SEMESTER TOTAL	20	275

B.A./B.Sc. Program in Physical Education**3rd Semester**

Course Code	Course Title	Course Type	LTP	Credit	Marks
CC1C	Anatomy, Physiology and Exercise Physiology	Core course	4-0-2	6	75
CC2C	Discipline-2 (Core-3) other than Physical Education	Core course		6	75
CC (Language)	Language 1B	Core course Language	5-1-0	6	75
SEC (1)	Track and Field	SEC	0-0-2	2	50
			SEMESTER TOTAL	20	275

B.A./B.Sc. Program in Physical Education**4th Semester**

Course Code	Course Title	Course Type	LTP	Credit	Marks
CC1D	Health Education, Physical Fitness and Wellness	Core course	4-0-2	6	75
CC2D	Discipline-2 (Core-4) other than Physical education	Core course		6	75
CC (Language)	Language 2B	Core course Language	5-1-0	6	75
SEC (2)	Gymnastics and Yoga	SEC	0-0-2	2	50
			SEMESTER TOTAL	20	275

SEMESTER- 1

CORE PAPER-1: Foundation and History of Physical Education

Course Code- CC1A

Total number of classes - 60

Unit- I: Introduction

LH - 12

Meaning and definition of Physical Education.
Aim and objectives of Physical Education.
Modern concept of Physical Education.
Importance of Physical Education.

Unit- II: Biological and Sociological Foundations of Physical Education LH - 18

Biological Foundation- Meaning and definition of growth and development. Factors affecting growth and development. Differences of growth and development. Principles of growth and development.
Age- Chronological age, anatomical age, physiological age and mental age.
Sociological Foundation- Meaning and definition of Sociology, Society and Socialization.
Role of games and sports in National and International integration.

Unit- III: History of Physical Education

LH - 18

Historical development of Physical Education and Sports in India- Pre-Independence period and Post-Independence period.
Olympic Movement- Ancient Olympic Games and Modern Olympic Games.
Brief historical background of Asian Games and Commonwealth Games.
National Sports Awards- Arjuna Award, Rajiv Gandhi Khel Ratna Award, Dronacharya Award.

Unit- IV: Yoga Education

LH - 12

Meaning and definition of the term Yoga, types, aim, objectives and important of Yoga.
History of Yoga.
Astanga Yoga
Hatha Yoga

FIELD PRACTICAL

1. Learn and demonstrate the technique of Suryanamaskar.
2. Development of physical fitness through Callisthenics and Aerobic activities.

REFERENCES

1. Graham, G. (2001) Teaching Children Physical Education: Becoming a Master Teacher. Human Kinetics, Champaign, Illinois, USA.
2. Kamlesh, M.L. & Singh, M.K. (2006) Physical Education (Naveen Publication).
3. Lau, S.K. (1999) Great Indian Players, New Delhi, Sports.
4. Lumpkin, A. (2007) Introduction to Physical Education, Exercise Science and Sports Studies, McGraw Hill, New York, USA.
5. Siedentop, D. (2004) Introduction to Physical Education, Fitness and Sport, McGraw Hill Companies Inc., New York, USA.
6. Shaffer, D.R. (2002) Development Psychology: Childhood and Adolescence. Thomson, Sydney, Australia.
7. Shukla, (2000) Mother on Education, National Council of Teacher Education, New Delhi.
8. Singh, A. et al. (2000) Essential of Physical Education, Kalyani Publishers, Ludhiana, Punjab.
9. Wuest, D.A. & C.A. Bucher (2006) Foundation of Physical Education, Exercise Science, and Sports. McGraw Hill Companies Inc.; New York, USA.

10. Fahey, T.D., M.P. Insel and W.T. Rath (2006) Fit & Well: Core Concepts and Labs in Physical Fitness, McGraw Hill, New York.
11. Kansal, D.K. (2012) A Practical Approach to Test Measurement and Evaluation Sports and Spiritual Science Publication, New Delhi.

SEMESTER- 2

CORE PAPER- 2: Management of Physical Education and Sports

Course Code- CC1B

Total number of classes - 60

Unit- I: Introduction

LH - 12

Concept and definition of Sports Management.
 Important of Sports Management.
 Purpose of Sports Management.
 Principles of Sports Management.

Unit- II: Tournaments

LH - 18

Tournaments: Meaning and definition and types of tournaments (Knock-out, League, Combination, Challenge).
 Procedure of drawing fixture.
 Method of organising Annual Athletic Meet and Play Day.
 Method of organising of Intramural and Extramural competition.

Unit- III: Facilities and Equipments

LH - 18

Method of calculation of Standard Athletic Track marking.
 Care and maintenance of play ground and gymnasium.
 Importance, care and maintenance of sports equipments.
 Time Table: Meaning, importance and factors affecting Time Table.

Unit- IV: Leadership

LH - 12

Meaning and definition of leadership.
 Qualities of good leader in Physical Education.
 Principles of leadership activities.
 Hierarchy of Leadership in School, College and University level.

FIELD PRACTICAL

Lay out knowledge and Officiating ability-

1. Track and Field events (any one).
2. Games: Football, Kabaddi, Kho-Kho and Volleyball (any one).

REFERENCES

1. Broyles, F. J. & Rober, H. D. (1979). Administration of sports, Athletic programme: A Managerial Approach. New York: Prentice hall Inc.
2. Bucher, C. A. (1983). Administration of Physical Education and Athletic programme. St. Louis: The C.V. Mosby Co.
3. Kozman, H.C. Cassidy, R. & Jackson, C. (1960). Methods in Physical Education. London: W.B. Saunders Co.
4. Pandey, L.K. (1977). Methods in Physical Education. Delhi: Metropolitan Book Depot.
5. Sharma, V.M. & Tiwari, R.H.: (1979). Teaching Methods in Physical Education. Amaravati: Shakti Publication.
6. Thomas, J. P. (1967). Organization & administration of Physical Education. Madras: Gyanodayal Press.
7. Tirunaryanan, C. & Hariharan, S. (1969). Methods in Physical Education. Karaikudi: South India Press.
8. Voltmer, E. F. & Esslinger, A. A. (1979). The organization and administration of Physical Education. New York: Prentice Hall Inc.
9. Singh, A. et al. (2010) Essential of Physical Education. Kalyani Publishers.

SEMESTER- 4

CORE PAPER- 4: Health Education, Physical Fitness and Wellness

Corse Code- CC1D

Total number of classes - 60

Unit- I: Introduction

LH - 18

Concept, definition and dimension of Health.
Definition, aim, objectives and principles of Health Education.
Health Agencies- World Health Organization (WHO), United Nations Educational Scientific and Cultural Organization (UNESCO).
School Health Program- Health Service, Health Instruction, Health Supervision, Health appraisal and Health Record.

Unit- II: Health Problems in India- Prevention and Control

LH - 18

Communicable Diseases- Malaria, Dengue and Chicken Pox.
Non-communicable Diseases- Obesity, Diabetes and AIDS.
Nutrition- Nutritional requirements for daily living. Balance Diet. Health disorders due to deficiencies of Vitamins and Minerals.
Postural deformities- Causes and corrective exercise of Kyphosis, Lordosis, Scoliosis, Knock Knees and Flat Foot.

Unit- III: Physical Fitness and Wellness

LH - 12

Physical Fitness- Meaning, definition and Importance of Physical Fitness.
Components of Physical Fitness- Health and Performance related Physical Fitness.
Concept of Wellness. Relationship between Physical activities and Wellness.
Ageing- Physical activities and its importance.

Unit- IV: Health and First-aid Management

LH - 12

First aid- Meaning, definition, importance and golden rules of First-aid.
Concept of sports injuries- Sprain, Strain, Fracture and Dislocation.
Management of sports injuries through the application of Hydro-therapy and Thermo-therapy.
Management of sports injuries through the application of Exercise and Massage therapy.

LAB PRACTICAL

1. First-aid Practical- Triangular Bandage: Slings (Arm Sling, Collar & Cuff Sling), Roller Bandages: Simple Spiral, Reverse Spiral, Figure of Eight, Spica.
2. Practical knowledge on Hydro-therapy and Thermo-therapy.

REFERENCES

1. Bucher, Charles A. "Administration of Health and Physical Education Programme".
2. Delbert, Oberteuffer, et. al. "The School Health Education".
3. Ghosh, B.N. "Treaties of Hygiene and Public Health".
4. Hanlon, John J. "Principles of Public Health Administration" 2003.
5. Turner, C.E. "The School Health and Health Education".
6. Moss et. al. "Health Education" (National Education Association of U.T.A.).
7. Nemir A. "The School Health Education" (Harber and Brothers, New York).
8. Nutrition Encyclopedia, edited by Delores C.S. James, The Gale Group, Inc.
9. Boyd-Eaton S. et al (1989) The Stone Age Health Programme: Diet and Exercise as Nature Intended. Angus and Robertson.

The University of Burdwan



Syllabus for B.A.(Hons.)

in

Bengali

Under Semester with

Choice Based Credit System

w.e.f. 2020-21

B.A. Honours in Bengali

Semester –I

CC-1: বাংলা সাহিত্যের ইতিহাস : প্রাচীন ও মধ্যযুগ (Bangla Sahityer Itihash : Prachin & Madhyayug) Credit- 6 Class 60

পাঠ্যবিষয়: চর্যাগীতি, শ্রীকৃষ্ণকীর্তন, অনুসারীসাহিত্য (ভাগবত, রামায়ণ, মহাভারত); চৈতন্যজীবনী ও বাংলা সাহিত্যে চৈতন্যপ্রভাব (বৃন্দাবনদাস, কৃষ্ণদাস কবিরাজ, জয়ানন্দ, লোচনদাস); বৈষ্ণবপদাবলী ও তার প্রধান প্রধান কবি (বিদ্যাপতি, চণ্ডীদাস, গোবিন্দদাস, জ্ঞানদাস, বলরামদাস); মনসামঙ্গল চণ্ডীমঙ্গল ও ধর্মমঙ্গলের কাহিনিপরিচয় ও প্রধান প্রধান কবি (বিজয়গুপ্ত, নারায়ণদেব, কেতকাদাস ক্ষেমানন্দ, দ্বিজমাধব, মুকুন্দ চক্রবর্তী, রূপরাম চক্রবর্তী, ঘনরাম চক্রবর্তী); শিবায়ন কাব্য (রামেশ্বর ভট্টাচার্য); ভারতচন্দ্রের কাব্যপরিচয় ও অন্নদামঙ্গল কাব্য; চট্টগ্রাম রোসাঙ রাজসভার সাহিত্য (আলাওল, দৌলতকাজী); নাথধর্ম ও সাহিত্যের সংক্ষিপ্ত পরিচয়; ময়মনসিংহ গীতিকা; শক্তিসাধনা ও শাক্তসাহিত্য (রামপ্রসাদ, কমলাকান্ত); বাউলগান সম্পর্কিত ধারণা (লালনফকির)।

(পঠনীয় গ্রন্থ: বাঙ্গালা সাহিত্যের ইতিহাস – সুকুমার সেন, বাংলা সাহিত্যের ইতিবৃত্ত – অসিতকুমার বন্দ্যোপাধ্যায়, বাংলা সাহিত্যের রূপরেখা – গোপাল হালদার, বাংলা সাহিত্যের ইতিকথা- ভূদেব চৌধুরী)

CC -2 : ছন্দ, অলংকার (Chhando, Alankar)

Credit:6

Class 60

ছন্দ:

Class 30

ছন্দ-সম্পর্কিত ধারণা :

ধ্বনি ও বর্ণ, অক্ষর (দল), মাত্রা (কলা), শ্বাসাঘাত (প্রস্বর), ছেদ (অর্থ-সাপেক্ষ বিরাম), যতি, পর্ব, পর্বঙ্গ, অতিপর্ব, চরণ, মিল, বাংলা ছন্দের রীতিগত বিভাগ, (মিশ্রকলাবৃত্ত, কলাবৃত্ত, দলবৃত্ত), বাংলা ছন্দের গঠনগত বিভাগ (একপদী, দ্বিপদী, ত্রিপদী, চৌপদী, পয়ার, মহাপয়ার, অমিত্রাক্ষর, মুক্তবন্ধ, গদ্যছন্দ, সনেট)

ছন্দ-লিপিকরণ:

(পঠনীয় গ্রন্থ: ছন্দ পরিক্রমা- প্রবোধচন্দ্র সেন, ছন্দের বারান্দা- শঙ্খ ঘোষ, ছন্দতত্ত্ব ছন্দরূপ – পবিত্র সরকার)

অলংকার :

Class 30

অলংকার সম্পর্কিত ধারণা :

শব্দালংকার: অনুপ্রাস, যমক, শ্লেষ বক্রোক্তি

অর্থালংকার : উপমা, উৎপ্রেক্ষা, রূপক, অপহুতি, সন্দেহ, নিশ্চয়, ভ্রান্তিমান, ব্যতিরেক, সমাসোক্তি, অতিশয়োক্তি, বিষম, অসঙ্গতি, ব্যাজস্তুতি, বিরোধভাস, দৃষ্টান্ত

মাগো তারা ও শঙ্করি; মা আমায় ঘুরাবে কত; এমন দিন কি হবে তারা; হৃদয়-রাস-মন্দিরে দাঁড়াও মা
ত্রিভঙ্গ হয়ে

CC- 4: রামায়ণ, অন্নদামঙ্গল

Ramayana, Annadamangal

Class 60

রামায়ণ

Class 30

রামায়ণ (লঙ্কাকাণ্ড) – কৃত্তিবাস ওঝা (সুখময় মুখোপাধ্যায় সম্পাদিত)

অন্নদামঙ্গল

Class 30

অন্নদামঙ্গল – ভারতচন্দ্র রায় (অন্নদার ভবানন্দ ভবনে যাত্রা পর্যন্ত)

GE - 2 : গল্প : প্রভাকুমার ও শরৎচন্দ্র Galpo:Pravat Kumar O Saratchandra Class 60

ক) প্রভাকুমার মুখোপাধ্যায় :

বাজীকর, ভিখারী সাহেব, রসময়ীর রসিকতা, দেবী, বলবান জামাতা

খ) শরৎচন্দ্র চট্টোপাধ্যায় :

মন্দির, অভাগীর স্বর্গ, মহেশ, মামলার ফল, রামের সুমতি

AECC -2

Communicative English/ MIL

Class 30

ভাষা অংশ:

ক) বোধপরীক্ষা : (নিম্নলিখিত পাঁচটি প্রবন্ধপাঠ্য)

স্বদেশী সমাজ- রবীন্দ্রনাথ ঠাকুর, বাংলা ভাষা- স্বামী বিবেকানন্দ, বই পড়া- প্রমথ চৌধুরী, স্ত্রী জাতির

অবনতি- বেগম রোকেয়া, অপবিজ্ঞান- রাজশেখর বসু

খ) সংবাদপত্রে প্রতিবেদন রচনা

গ) ইংরেজি থেকে বাংলায় অনুবাদ

সাহিত্য অংশ:

কবিতার ভাবসৌন্দর্য বিশ্লেষণ :

রবীন্দ্রনাথ ঠাকুরের নৈবেদ্য গ্রন্থের ৪টি কবিতা পাঠ্য : (বৈরাগ্য সাধনে মুক্তি সে আমার নয়, শতাব্দীর সূর্য

আজি, চিত্ত যেথা ভয় শূন্য, শক্তি দম্ব স্বার্থ লোভ)

(পঠনীয়গ্রন্থ : ভাষার ইতিবৃত্ত- সুকুমারসেন, ভাষাতত্ত্ব- অতীন্দ্র মজুমদার, আধুনিক ভাষাবিজ্ঞান ও বাংলাভাষা-
রামেশ্বর শ', তুলনামূলক ও ঐতিহাসিক ভাষাবিজ্ঞান - হুমায়ুন আজাদ)

CC-7: উনিশ শতকের কাব্য (UnishShatakerkabya) Class 60

বীরঙ্গনা কাব্য – মাইকেল মধুসূদন দত্ত

Class 30

(দুঃস্বপ্নের প্রতি শকুন্তলা, সোমের প্রতি তারা, দশরথের প্রতি কেকয়ী, লক্ষ্মণের প্রতি সূৰ্পণখা, পুরুরবার
প্রতি উৰ্বশী, নীলধ্বজের প্রতি জনা)

সারদামঙ্গল—বিহারীলাল চক্রবর্তী

Class 30

GE -3 : বাংলা সাহিত্যের ইতিহাস (Bangla Sahityer Itihas) Class 60

চর্যাগীতি, শ্রীকৃষ্ণকীর্তন, কৃত্তিবাস, কবিকঙ্কণ, কাশীরাম, বিদ্যাপতি, চণ্ডীদাস, গোবিন্দদাস, ভারতচন্দ্র,
ফোর্ট উইলিয়াম কলেজের গদ্যচর্চা, রাজা রামমোহন রায়, বিদ্যাসাগর

উপন্যাস : বঙ্কিমচন্দ্র, রবীন্দ্রনাথ, শরৎচন্দ্র

নাটক : মধুসূদন, গিরিশচন্দ্র, বিজন ভট্টাচার্য

ছোটগল্প : রবীন্দ্রনাথ

প্রবন্ধ : রামেন্দ্রসুন্দর ত্রিবেদী

কবিতা : জীবনানন্দ দাশ, সুনীল গঙ্গোপাধ্যায়

SEC-1 : বাংলা ব্যাকরণ (Bangla Byakaran)

Class 20

পদপরিচয়, সন্ধি, সমাস

কারক, বিভক্তি, বাচ্য ও বাক্য পরিবর্তন

Semester IV

CC-8 :কবিতা (Kabita)

Class 60

রবীন্দ্রনাথের কবিতা

Class 30

(পাঠ্য কবিতাসমূহ: নির্ঝরের স্বপ্নভঙ্গ , মেঘদূত, দুইপাখি, বিদায় অভিশাপ, ব্রাহ্মণ, হারিয়ে যাওয়া,
ছেলেটা, পৃথিবী)

আধুনিক বাংলা কবিতা – বর্ধমান বিশ্ববিদ্যালয় প্রকাশিত

Class 30

(পাঠ্যকবিতা : বনলতা সেন- জীবনানন্দ দাশ, মানুষ – কাজী নজরুল ইসলাম, শাস্ত্রী- সুধীন্দ্রনাথ দত্ত,
সংগতি – অমিয় চক্রবর্তী, হারিয়ে – প্রেমেন্দ্র মিত্র, একখানা হাত – বুদ্ধদেব বসু, তুমি শুধু পাঁচিশে

বৈশাখ – বিষ্ণু দে, ভারতবর্ষ – দিনেশ দাস , একটি কবিতার জন্য – সুভাষ মুখোপাধ্যায়, কলকাতার
যীশু – নীরেন্দ্রনাথ চক্রবর্তী, প্রিয়তমাসু – সুকান্ত ভট্টাচার্য, জন্মভূমিকেই – শামসুর রাহমান, বাবরের
প্রার্থনা – শঙ্খ ঘোষ, যেতে পারি কিন্তু কেন যাব – শক্তি চট্টোপাধ্যায়, উত্তরাধিকার – সুনীল গঙ্গোপাধ্যায়)

CC – 9 : উপন্যাস (Upanyas)

Class 60

চন্দ্রশেখর – বঙ্কিমচন্দ্র চট্টোপাধ্যায়

Class 30

গণদেবতা – তারাশঙ্কর বন্দ্যোপাধ্যায়

Class 30

CC – 10 : নাটক (Natak)

Class 60

নীলদর্পণ – দীনবন্ধু মিত্র

Class 30

শারদোৎসব – রবীন্দ্রনাথ ঠাকুর

Class 30

GE- 4 : ভাষাতত্ত্ব (Bhasatattwa)

Class 60

বাংলা ভাষার উৎস, ইতিহাস ও যুগবিভাগ; প্রাচীন বাংলা, মধ্যবাংলা, আধুনিক বাংলার কালনির্ণয়, সাধারণ
লক্ষণ ও ভাষাতাত্ত্বিক বৈশিষ্ট্য; বাংলা শব্দভাণ্ডার; সাধু ও চলিত ভাষা; বাংলা উপভাষার সাধারণ পরিচয়।

SEC -2 : রচনাশক্তির নৈপুণ্য (Rachanashaktir Naipunya)

Class 20

- ক. ব্যক্তিগত ব্যবহারিক প্রাতিষ্ঠানিক পত্রলিখন
- খ. সংবাদপত্রে প্রকাশের উপযোগী প্রতিবেদন রচনা
- গ. অনুচ্ছেদ রচনা
- ঘ. ভাবার্থ ও ভাবসম্প্রসারণ

Semester V

CC – 11 : গল্প (Galpo)

Class 60

গল্পগুচ্ছ : রবীন্দ্রনাথ ঠাকুর

Class 30

পোস্টমাস্টার, কঙ্কাল, ত্যাগ, একরাত্রি, অনধিকার প্রবেশ, মেঘ ও রৌদ্র, নিশীথে, অতিথি, স্ত্রীর পত্র,
ল্যাবরেটরি

একালের গল্প (বর্ধমান বিশ্ববিদ্যালয় প্রকাশিত)

Class 30

পুঁইমাচা – বিভূতিভূষণ বন্দ্যোপাধ্যায়

জলসাঘর – তারাশঙ্কর বন্দ্যোপাধ্যায়

প্রাগৈতিহাসিক – মানিক বন্দ্যোপাধ্যায়

তেলেনাপোতা আবিষ্কার – প্রেমেন্দ্র মিত্র
ফসিল – সুবোধ ঘোষ
রস – নরেন্দ্রনাথ মিত্র
টোপ – নারায়ণ গঙ্গোপাধ্যায়
ভেবেছিলাম – সন্তোষকুমার ঘোষ
আদাব – সমরেশ বসু
সাঁঝ সকালের মা – মহাশ্বেতা দেবী

CC- 12 : প্রবন্ধ ও প্রাচ্য কাব্যতত্ত্ব (Prabandha O Prachya Kabyatattwa)

Class 60

প্রবন্ধ সংকলন (বর্ধমান বিশ্ববিদ্যালয় প্রকাশিত)

Class 30

লোকশিক্ষা – বঙ্কিমচন্দ্র চট্টোপাধ্যায়

সৎ-প্রসঙ্গ – মীর মশাররফ হোসেন

আমাদের ভাষা-সংকট – প্রমথ চৌধুরী

বাংলারব্রত – অবনীন্দ্রনাথ ঠাকুর

উপন্যাসের পূর্বসূচনা – শ্রীকুমার বন্দ্যোপাধ্যায়

পারিবারিক নারী সমস্যা – অনন্যদাশঙ্কর রায়

বাংলাকাব্যের গোড়ার কথা – হুমায়ুনকবীর

ক্লাইভ স্ট্রিটে চাঁদ – বুদ্ধদেব বসু

নিঃশব্দের তর্জনী – শঙ্খ ঘোষ

কাব্য জিজ্ঞাসা – অতুলচন্দ্র গুপ্ত

Class 30

(পাঠ্য অংশ ধ্বনি, রস)

DSE-1: উনিশ শতকের বাংলা কাব্য ও প্রবন্ধ(Unish Sataker Bangla Kabya O Prabandha) Class 60

১। উনিশ শতকের বাংলা আখ্যানকাব্য ও গীতিকবিতা

Class 30

উনিশ শতকের আখ্যানকাব্য উদ্ভবের সামাজিক ঐতিহাসিক ও সাংস্কৃতিক প্রেক্ষাপট, বিষয় ও আঙ্গিকগত বৈশিষ্ট্য, আখ্যানকাব্যের বিলোপ, উনিশ শতকের আখ্যানকাব্যের প্রতিনিধিস্থানীয় কবি ও তাঁদের কাব্যবৈশিষ্ট্য।

উনিশ শতকের গীতিকবিতার উদ্ভবের প্রেরণা, সামাজিক ঐতিহাসিক ও সাংস্কৃতিক প্রেক্ষাপট, বিষয় ও আঙ্গিকগত বৈশিষ্ট্য, আখ্যানকাব্যের বিলোপ, উনিশ শতকের গীতিকবিতার প্রতিনিধিস্থানীয় কবি ও তাঁদের কাব্যবৈশিষ্ট্য।

ENVIRONMENTAL STUDIES

Credits: 4

Course Code: AEECC1

COURSE TITLE: FUNDAMENTALS OF ENVIRONMENTAL STUDIES

Lectures – 80

Unit 1: Basic of Environmental Studies (06)

Definition, Nature, Scope and Importance; Components of environment: Environmental education

Unit 2: Natural Resources: Renewable & Non-renewable Resources (15)

Nature and natural resources their conservation and associated problems:

- Forest resources: Uses, types and importance, Joint Forest Management & Tribal population, Deforestation and its effects
- Water resources: Distribution of water on Earth; Use, over exploitation of surface and ground water; Dams: Benefits and problems; Flood and Drought
- Mineral resources: Mineral resources in India; Use and exploitation, Social impacts of mining
- Food resources: World food problems and food insecurities.
- Energy resources: Renewable and Non-renewable energy sources; Use of alternate energy sources - Case studies
- Land resources: Land as a resource; Land degradation, landslides, soil erosion, desertification
- Use of resources for sustainable development

Unit 3: Ecology & Ecosystems (12)

Concept of ecology, Population ecology, Community ecology

- Concept of an ecosystem, different types of ecosystem
- Food chains, food webs and ecological succession
- Energy flow in the ecosystem and energy flow models

Unit 4: Biodiversity & Conservation (12)

- Biodiversity: Levels of biological diversity
- Values of biodiversity
- Hot-Spots of biodiversity, Mega-biodiversity countries
- Threat to biodiversity
- Threatened and endemic species of India
- Conservation of biodiversity (*In-situ* and *Ex-situ*)
- Ecosystem services: Ecological, Economical, Social, Ethical, Aesthetical and Informational values

Unit 5: Environmental Pollution & Management

(12)

(a) Nature, Causes, Effects and Control measures of –

- (i) Air pollution
- (ii) Water pollution
- (iii) Soil pollution
- (iv) Noise pollution
- v) Nuclear hazards

(b) Fireworks Pollution: Definition, Composition/Ingredients, effects, monitoring strategies

- Solid waste management: Causes, effects and disposal methods; Management of biomedical and municipal solid wastes
- Disaster management: Floods, Earthquake, Cyclone and Landslides

Unit 6: Environmental Policies & Practices

(15)

- Constitutional Provisions for protecting environment- Articles 48(A), 51 A (g)
- Environmental Laws: The Environment (Protection) Act, 1986; The Air (Prevention and Control of Pollution) Act, 1981; The Water (Prevention and Control of Pollution) Act 1974; Forest (Conservation) Act, 1980
- The wildlife Protection Act, 1972
- Climate change, Global warming, ENSO, Acid rain, Ozone layer depletion; Montreal and Kyoto Protocols

Unit 7: Human Communities & Environment

(08)

- Human population growth; Impacts on environment
- Population explosion – Family Welfare Programme
- Environment and human health: Concept of health and disease; Common communicable and Non- communicable diseases; Public awareness
- Environment movements in India: Chipko Movements, Silent Valley Movement, Movements in Karnataka

Unit 8: Field Work Report/Project Report/Term paper (based on any one of the following topics and to be evaluated by internal teachers only)

- Environmental assets - River/Forest/Grassland/Hill/Mountain *etc.*
- Environmental pollution - Urban/Rural/Industrial/Agricultural
- Study of common Plants/Insect /Birds/Wild life *etc.*
- Study of simple ecosystems: Pond/River/Hill slope *etc.*
- Municipal solid waste management and handling.

The University of Burdwan



Syllabus for B.A.(Gen.)
in
Political Science
Under Semester with
Choice Based Credit System
w.e.f. 2017-2018 onward

2 Measuring Public Opinion: Methods and Types of Sampling

3 Interviewing: Types- structured, unstructured, focused

4 Questionnaire: Question wording; fairness and clarity

5 Prediction in polling research: possibilities and pitfalls

Suggested Readings:

1. R. Erikson and K. Tedin *American Public Opinion*, 8th edition (New York: Pearson Longman Publishers)
2. G. Gallup, *A Guide to Public Opinion Polls* (Princeton: Princeton University Press)
3. Kothari, C. R., *Research Methodology* (New Delhi: PHI)
4. Ahuja, Ram, *Research Methods* (New Delhi: Rawat Publications)

OR

SEC-2 : Environmental Awareness

2 Credits Total Classes 30

1. Environmentalism: Meaning, Key Related Ideas, Significance

2. Collective action problems and environmental challenges in developing and developed countries;

3. Major Environmental Movements in India: Chipko – Narmada Bachao

4. Regional and international efforts to address climate change.

5. Green Governance: Sustainable Human Development

Suggested Readings:

1. Ramachandra Guha, *Environmentalism: A Global History* (Longman Publishers)
2. Burns H Weston and David Bollier, *Green Governance: Ecological Survival, Human Rights, and the Law of the Commons* (Cambridge University Press)
3. J. Volger, 'Environmental Issues', in J. Baylis, S. Smith and P. Owens (eds.) *Globalization of World Politics* (New York: Oxford University Press)
4. A. Heywood, *Global Politics* (New York: Palgrave)

SEMESTER-V

DSE-1A : SELECT COMPARATIVE POLITICAL THEORIES 6 Credits Total Classes 60

1 Distinctive features of Indian and Western political thought

2 Western Thought: Thinkers and Themes

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Syllabus for B.A.(Hons.)

in

Political Science

Under Semester with

Choice Based Credit System

w.e.f. 2017-2018 onward

- 1. Political Sociology and Sociology of Politics: Nature and Scope**
- 2. Political Culture: Meaning, Components and Types; Political Socialization: Meaning, Role and Agencies**
- 3. Political Participation: Meaning and Components**
- 4. Concepts of Power and Authority; Types of Authority**
- 5. Feminism: Meaning, Significance and Different Schools**
- 6. Environment and Politics; Environment Movements: An Overview; Eco-Feminism**
- 7. Religion and Politics; Concept of Secularism**
- 8. State and Civil Society: Media, Society and Politics**

References:

1. T. Bottomore, Political Sociology (New Delhi, B. I. Pub.)
2. A. K. Mukhopadhyay, Political Sociology (K. P. Bagchi, Kolkata).
3. Michael Rush and Phillip Althoff, An Introduction to Political Sociology. (London, Thompson Nelson and Sons)
4. A. Giddens, Sociology (Polity Press, Cambridge)
5. B. Axford and R. Huggins, New Media and Politics. (London, Sage)
6. J. Connolly and G. Smith, Politics and Environment: From Theory to Practice. (London, Routledge) 8
7. Dipankar Gupta, Political Sociology in India (Orient Longman, Delhi)
8. Dipankar Gupta, The Context of Ethnicity (Delhi, C. U. P.)
9. S. Kaviraj and S. Khilnani (ed) , Civil Society : History and Possibilities (Cambridge, CUP)
10. Robin Jeffrey, Media and Modernity: Women, Communications and the State in India (Ranikhet, Permanent Black)
11. Mary Evans, Introducing Contemporary Feminist Thought, (Cambridge, CUP)
12. Harris Barbara, White, Globalization and Insecurity, (Palgrave, New York) Paper -VII

1. Basu, D. D, *Introduction to the Constitution of India*(Nagpur: Lexis Nexis)
2. Kashyap, S, *Our Constitution*, (New Delhi: National Book Trust)
3. Gender Study Group, (1996) *Sexual Harassment in Delhi University*, A Report, Delhi: University of Delhi.
4. D. Srivastva, (2007) 'Sexual Harassment and Violence against Women in India: Constitutional and Legal Perspectives', in C. Kumar and K. Chockalingam (eds) *Human Rights, Justice, and Constitutional Empowerment*, Delhi: Oxford University Press.
5. J. Kothari, (2005) 'Criminal Law on Domestic Violence', *Economic and Political Weekly*, Vol. 40(46), pp. 4843-4849.

SEMESTER-V

CC-11 : SOCIAL MOVEMENTS IN INDIA 6 Credits Total Classes 60

1. Social Movements: Definition; Distinction between "new" and "old" social movements

2. Positive discrimination and Dalit movements(Panthers) in India

3. Trade Union movements in India: an overview of strength and weaknesses.

4. Peasant moments in India: Case Study (Telengana and Tebhaga)

5. Women's movements in India: key issues

6. Environmental Movements in India: Chipko, Narmada Bachao Andolan.

Suggested Readings:

1. Shah, Ghanshyam, *Social Movements in India: A Review of Literature* (New Delhi: Sage)
2. Shah, Ghanshyam, *Social Movements and the State* (New Delhi: Sage)
3. Ray, Raka and Katzenstain, Mary Fainsod, *Social Movements in India: Poverty, Power, and Politics*, (Rowman and Littlefield Publishers)
4. Singh, A. P., *Development Process and Social Movements in Contemporary India*(Pinnacle Learning)
5. Kumar, Bijendra, *Social Movement in Modern India*(DPS Publishing House)
6. Joshi, Sarat. C., *Contemporary Social Mobility and Social Movements: Views and Reviews* (Akansha Publication)

**CURRICULUM
FOR
B.A. GENERAL
IN EDUCATION**

UNDER CHOICE BASED CREDIT SYSTEM

**BURDWAN UNIVERSITY
BURDWAN, WEST BENGAL**

Suggested References:

- Basu, A.N. Education in Modern India
- Banerjee, J.P. Education in India-Past, Present and Future
- Mukherjee, S.N. Education in India, Today and Tomorrow
- Mukherjee, S.N. History of Education (Modern Period)
- Nurullah, S, Naik J.P. History of Education in India
- Rawat, P.L. History of Indian Education
- ❖ Bengali Books on History of Education in India

Course: CC-2D : (Dis. Other than Edn.)

Course: SEC-2: Value Education

Full Marks: 50

Course Contents:**Unit –I:**

- Value in Education: Meaning and Concept
- Needs of Value Education

Unit –II:

- Morality: Meaning & Concept.
- Morality and Values in Education.
- Role of Parents to Facilitate Children’s Moral Development

Unit –III:

- Social Values.
- Values in Classroom.
- Inculcation of Values among the students

Unit –IV:

- **Peace Education: Meanings and Aims.**
- Values in Peace Education.
- Values and Human Rights Education

Suggested References:

- The moral child – Damon, W. New York: The free press.
- Values in Education and Education in value – Halstead, J. Mark. London.
- The Psychology of moral Development – Kohlberg. New York.
- Values Education – Bagchi, J.P: University Book House (P) Ltd.
- Human Rights – A source Book – Dev, Arjun et. al. NCERT, New Delhi.
- Human Development Report – 2002, UNDP – New York and Oxford.
- Values and Teaching : Working with values in the Classroom,
- ❖ Bengali Books on Value Education

Course: Language(Core): Language -2 (Hindi/MIL – L₂- 2):

Full Marks: 75

Course Contents:

THE UNIVERSITY OF BURDWAN



Burdwan-713104, West Bengal

SYLLABUS FOR B.A. HONOURS PROGRAMME
IN
ENGLISH

UNDER SEMESTER WITH CBCS
(Effective from 2017- 18)

Only ticked courses are chosen for reading and evaluation

ND stands for non-detailed study

Type	Credits	Number of Courses	Total credits
CC	6 credits per Course (5 theory, 1 tutorial)	14	84
DSE	6 credits per Course (5 theory, 1 tutorial)	4	24
GE [any discipline other than English]	6 credits per Course (5 theory, 1 tutorial)	4	24
AEC	AECC 1 – 4 credits, AECC 2 – 2 Credits	2	6
SEC	2 credits per paper	2	4
Total			142

SEMESTERVI

<p>✓ CC - XIV: Postcolonial Literatures</p> <p>Section A</p> <p>1. Chinua Achebe: <i>Things Fall Apart</i> (ND)</p> <p>2. a) Pablo Neruda: 'Tonight I can Write' b) Derek Walcott: 'A Far Cry from Africa' c) David Malouf: 'Revolving Days' d) Mamang Dai: 'Small Towns and the River'</p> <p>Section B</p> <p>3. Salman Rushdie: <i>Haroun and the Sea of Stories</i></p> <p>4. Mahasweta Devi: <i>The Arrow of Chotti Munda</i> (Tr. Gayatri Spivak, Seagull Publishers) (ND)</p> <p>Recommended Reading:</p> <p>1. Franz Fanon, 'The Negro and Language', in <i>Black Skin, White Masks</i>, tr. Charles Lam Markmann (London: Pluto Press, 2008) pp. 8–27.</p> <p>2. Ngugi wa Thiong'o, 'The Language of African Literature', in <i>Decolonising the Mind</i> (London: James Curry, 1986) chap. 1, sections 4–6.</p> <p>3. Gabriel Garcia Marquez, the Nobel Prize Acceptance Speech, in <i>Gabriel Garcia Marquez: New Readings</i>, ed. Bernard McGuirk and Richard Cardwell (Cambridge: Cambridge University Press, 1987).</p>	<p>14(L) + 2 (T)</p> <p>4(L) + 1 (T) 4(L) + 1 (T) 4(L) + 1 (T) 4(L) + 1 (T)</p> <p>23 (L) + 5 (T)</p> <p>22 (L) + 4 (T)</p> <p>75 Lectures + 15 Tutorials = 90</p>
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SEMESTER III [ONLY TICKED TEXTS]	
✓ GE – 3: CONTEMPORARY INDIA: WOMEN AND EMPOWERMENT	
1. Social Construction of Gender: <ul style="list-style-type: none"> ➤ Masculinity, Femininity ➤ Patriarchy ➤ Sex and Gender ➤ Gender Socialization ➤ Gender Discrimination ➤ Gender Stereotyping 	10(L) + 2(T)
Text: <ul style="list-style-type: none"> • 'Complicating Gender: Rights of Transsexuals in India' by Ashwini Sukthankar. From Nivedita Menon. <i>Sexualities: Issues in Contemporary Indian Feminisms</i> 	10(L) + 2(T)
2. History of Women's Movements in india (Pre- and Post-Independence): <ul style="list-style-type: none"> ➤ Women and Nationalism ➤ Women and Partition ➤ Women and Political Participation 	10(L) = 2(T)
Texts: (any two) <ul style="list-style-type: none"> • "Letters to a Wife: Satyandranath Tagore's Letters to Jynadanandini Tagore" from <i>Epistolary Cultures in 19th Century Bengal</i>, Stree Samya, Kolkata (Forthcoming) • Gholam Murshed. "Chapter Four" from <i>The Reluctant Debutante</i> • Urvashi Butalia. "Beginnings" from <i>The Other Side of Silence</i> • Jashodhara Bagchi and Shubharanjan Dasgupta. <i>The Trauma and the Triumph: Gender and Partition in Eastern India</i>, Vol. 1 ("Introduction") 	10(L) + 2(T)
3. Women and Law: <ul style="list-style-type: none"> ➤ Women and the Indian Constitution ➤ Personal Laws ➤ Customary Practices on Inheritance and Marriage 	8 (L) + 2 (T)
Text: <ul style="list-style-type: none"> • Sudhir Chandra. <i>Enslaved Daughters</i> [From <i>Women and Law in India: An Omnibus</i>] Selections to be taught: (a) Prologue, and (b) Chapter 1 (May be supplemented by workshop on legal awareness) 	8 (L) + 2 (T)
4. Women and Violence: <ul style="list-style-type: none"> ➤ State Interventions ➤ Domestic Violence ➤ Female Foeticide ➤ Sexual Harassment 	8 (L) + 2 (T)
Texts: (any one) <ul style="list-style-type: none"> • Rokeya Sakhawat Hussain – <i>Sultana's Dream</i> (ND) • Bama Faustina Soosairaj – <i>Karukku</i> (ND) 	10 (L) + 2 (T)
	74 Lectures +

The University of Burdwan



Syllabus for B.A. / B.Sc. (Hons.)

in

Geography

under Semester with

Choice Based Credit System

w.e.f. 2017- 2018

4. Determination of Height of objects using Transit Theodolite (Accessible and Inaccessible bases)

*A Project File, comprising one exercise each is to be submitted

Reference Books

- Cuff J. D. and Mattson M. T., 1982: Thematic Maps: Their Design and Production, Methuen Young Books
Dent B. D., Torguson J. S., and Holder T. W., 2008: Cartography: Thematic Map Design (6th Edition), Mcgraw-Hill Higher Education
Gupta K. K. and Tyagi V. C., 1992: Working with Maps, Survey of India, DST, New Delhi.
Kraak M.-J. and Ormeling F., 2003: Cartography: Visualization of Geo-Spatial Data, Prentice-Hall.
Mishra R. P. and Ramesh A., 1989: Fundamentals of Cartography, Concept, New Delhi.
Singh R. L. and Singh R. P. B., 1999: Elements of Practical Geography, Kalyani Publishers.
Slocum T. A., McMaster R. B. and Kessler F. C., 2008: Thematic Cartography and Geovisualization (3rd Edition), Prentice Hall.
Tyner J. A., 2010: Principles of Map Design, The Guilford Press.
Sarkar, A. (2015) Practical geography: A systematic approach. Orient Black Swan PrivateLtd., New Delhi

CC 5 (Theory) – **Climatology**

6 Credits

Unit 1: Elements of the Atmosphere

1. Nature, composition and layering of the atmosphere,
2. Insolation: controlling factors. Heat budget of the atmosphere.
3. Temperature: horizontal and vertical distribution. Inversion of temperature: types, causes and consequences.
4. Greenhouse effect and importance of ozone layer

Unit 2: Atmospheric Phenomena, Climate Change and Climatic Classification

1. Condensation: Processes and forms. Mechanism of precipitation: Bergeron-Findeisen theory, collision and coalescence. Forms of precipitation.
2. Air mass: Typology, origin, characteristics and modification.
3. Fronts: warm and cold; frontogenesis and frontolysis.
4. Weather: stability and instability; barotropic and baroclinic conditions.
5. Circulation in the atmosphere: Planetary winds, jet stream and monsoons
6. Tropical and mid-latitude cyclones
7. Evidences and causes of climate change
8. Climatic classification after Köppen, Thornthwaite (1948)

Reference Books

- Barry R. G. and Carleton A. M., 2001: Synoptic and Dynamic Climatology, Routledge, UK.
Barry R. G. and Chorley R. J., 1998: Atmosphere, Weather and Climate, Routledge, New York.
Critchfield H. J., 1987: General Climatology, Prentice-Hall of India, New Delhi

Unit 2: Economic Activities

1. Concept and Classification of Economic Activities
2. Location Theories: Von Thünen and Alfred Weber
3. Primary Activities: Subsistence and Commercial Agriculture; Forestry; Fishing
4. Secondary Activities: Manufacturing (Iron and Steel in India and Japan, Petrochemical in India and USA)
5. Tertiary Activities: Types of Trade and Services
6. Agricultural Systems: Tea Plantation in India and Mixed Farming in Europe
7. Highways: Roles in Economic Development of India since 1990s
8. International Trade Blocs: WTO and OPEC

Reference Books

- Alexander J. W., 1963: Economic Geography, Prentice-Hall Inc., Englewood Cliffs, New Jersey
- Coe N. M., Kelly P. F. and Yeung H. W., 2007: Economic Geography: A Contemporary Introduction, Wiley-Blackwell
- Hodder B. W. and Lee Roger, 1974: Economic Geography, Taylor and Francis Combes P., Mayer T. and Thisse J. F., 2008: Economic Geography: The Integration of Regions and Nations, Princeton University Press
- Wheeler J. O., 1998: Economic Geography, Wiley
- Durand L., 1961: Economic Geography, Crowell

CC 10 : ENVIRONMENTAL GEOGRAPHY

Credit: 6 (4+2)

Pattern of Setting Questions:

- 5 questions to be answered out of 8, each question carries 02 Marks, Total 10 Marks;
- 2 questions to be answered out of 4, each question carries 05 Marks, Total 10 Marks. Each question shall have at least two parts;
- 2 questions to be answered out of 4, each question carries 10 Marks, Total 20 Marks. Each question shall have at least two parts.

Theoretical Credit 4 Total Marks: 40 End Term Examination Time: 2 hours

Environmental Issues

1. Geographers' Approach to Environmental Studies
2. Changes in Perception of Environment in different stages of Human Civilization
3. Ecosystem: Concept, Structure and Functions
4. Environmental Degradation and Pollution: Water and Air
5. Environmental Issues related to Agriculture
6. Urban Environmental issues related to Waste Management
7. Concept and Issues related to Bio-diversity
8. Environmental Programs and Policies on Forest and Wetland: National and Global

CC 10 (Practical) : ENVIRONMENTAL GEOGRAPHY Credit: 2

Total Marks: 20 {10+ 10(5+5)} End Term Examination Time: 2 hours

Pattern of Setting Questions:

- 2 questions to be answered, each question carries 5 Marks, Total 10 Marks;
- Evaluation of Laboratory Note Book 5 Marks
- Viva-Voce 5 Marks

Environmental Geography (Practical)

1. Preparation of questionnaire for perception survey on environmental problems
 2. Environmental Impact Assessment: Leopold Matrix
 3. Quality assessment of soil using field kit: pH and NPK
 4. Interpretation of air quality using CPCB / WBPCB data
- Internal Assessment: 15 (Assessment 10 and Attendance 05) Marks**

Reference Books

1. Chandna R. C., 2002. Environmental Geography. Kalyani, Ludhiana.
2. Cunningham W. P. and Cunningham M. A., 2004. Principals of environmental science: Inquiry and Applications. Tata Macgraw Hill, New Delhi.
3. Goudie A. 2001. The Nature of the Environment. Blackwell, Oxford.
4. Kormondy, Edward J. 2012. Concepts of Ecology. PHI Learning Pvt. Ltd., New Delhi.

- Dikshit. R.D. (eds) 1994, *The Art and Science of Geography: Selected Readings*. Prentice Hall India. New Delhi.
- Dunbar. G.S. (eds) 1991, *Modern Geography: An Encyclopaedic Survey*. St. James Press. Chicago:.
- Gregory D. and Walford. R. (eds) 1988, *Horizons in Human Geography*, Macmillan London.
- Hussain. M. 1995, *Evolution of Geographical Thought*, 3rd edition, Rawat Pub. Co., New Delhi.
- Johnston. R.J. Gregory. D. Prett. G and Watts. M. 2000, *The Dictionary of Human Geography*. 4th edition. Blackwell Pub. Ltd. London.
- Lahiri-Dutt, K. *BhugolChintarBikash*, World Press
- Matthews. J.A. and Herbert. J.A. 2004, *Unifying Geography: Common Heritage, Shared Future?* Routledge. London.
- Messy D. and Allen J. (eds) 1984, *Geography Matters: A Reader*, Cambridge University Press Cambridge.
- Peet. R. 1998, *Modern Geographical Thought*. Blackwell, London.
- Stoddart. D.R. 1986, *On Geography and its History*. Basil Blackwell, Oxford

CC 14 : DISASTER MANAGEMENT

Credit: 6 (4+2)

Theoretical : Credit 4 Total Marks: 40 End Term Examination Time: 2 hours

Pattern of Setting Questions:

- 5 questions to be answered out of 8, each question carries 02 Marks, Total 10 Marks;
- 2 questions to be answered out of 4, each question carries 05 Marks, Each question shall have at least two parts. Total 10 Marks;
- 2 questions to be answered out of 4, each question carries 10 Marks, Each question shall have at least two parts. Total 20 Marks

Unit 1

1. Classification of hazards and disasters
2. Approaches to hazard study: Risk perception and vulnerability assessment.
Hazard paradigms
3. Responses to hazards: Preparedness, trauma and aftermath. Resilience and capacity building
4. Hazards mapping: Data and techniques.

Unit 2

1. Earthquake: Factors, vulnerability, consequences and management
2. Landslide: Factors, vulnerability, consequences and management
3. Cyclone: Factors, vulnerability, consequences and management
4. Fire: Factors, vulnerability, consequences and management

References:

- Government of India. (1997) Vulnerability Atlas of India. New Delhi, Building Materials & Technology Promotion Council, Ministry of Urban Development, Government of India.
- Kapur, A. (2010) Vulnerable India: A Geographical Study of Disasters, Sage Publication, New Delhi.
- Modh, S. (2010) Managing Natural Disaster: Hydrological, Marine and Geological Disasters, Macmillan, Delhi.
- Singh, R.B. (2005) Risk Assessment and Vulnerability Analysis, IGNOU, New Delhi. Chapter 1, 2 and 3
- Singh, R. B. (ed.), (2006) Natural Hazards and Disaster Management: Vulnerability and Mitigation, Rawat Publications, New Delhi.
- Sinha, A. (2001). Disaster Management: Lessons Drawn and Strategies for Future, New United Press, New Delhi.
- Stoltman, J.P. et al. (2004) International Perspectives on Natural Disasters, Kluwer Academic Publications. Dordrecht.

CC 14 (Practical) : DISASTER MANAGEMENT

Credit: 2

Total Marks: 20 {10+ 10(5+5)} End Term Examination Time: 2 hours

Pattern of Setting Questions:

- 2 questions to be answered, each question carries 5 Marks, Totalling 10 Marks;
- Evaluation of Laboratory Note Book: 5
- Viva-Voce 5 Marks

Disaster Management Project Work

List of Practical

An individual Project Report based on any one among the following disasters incorporating preparedness, mitigation and management plan.

- 1. Earthquake**
- 2. Landslide**
- 3. Cyclone**
- 4. Flood**
- 5. Drought**
- 6. River Bank Erosion**
- 7. Mining Area Subsidence**
- 8. Tsunami**

OR

DSE - 3 (Theoretical) : RESOURCE GEOGRAPHY

Credit: 6

Total Marks: 60+15

End Term Examination Time: 3 hours

Pattern of Setting Questions:

- 10 questions to be answered out of 15, each question carries 02 Marks, Total 20 Marks;
- 4 questions to be answered out of 6, each question carries 05 Marks, Each question shall have at least two parts. Total 20 Marks;
- 2 questions to be answered out of 4, each question carries 10 Marks, Each question shall have at least two parts. Total 20 Marks;
- Internal Assessment: 15 (Assessment 10 and Attendance 05 Marks) Marks

Unit: 1

1. Resource Geography: Its Importance and relation with other sub-disciplines
2. Resource: Concept and Classification
3. Functional Theory of Resource
4. Problems of Resource Depletion with Special Reference to Forest, Water and Fossil Fuels
5. Resource Conservation : Principles and Methods
6. Concept of 'Limits to Growth'

Unit: 2

1. Distribution and Utilisation of Metallic Mineral Resources in Indian Context: Iron ore, Bauxite
2. Distribution and Utilisation of Non-Metallic Mineral Resources in Indian Context: Mica, Limestone
3. Distribution, Problems and Management of Energy Resources in Indian Context: Conventional (Coal) and Non-Conventional (Solar)
4. Power resources and problems with reference to Petroleum
5. Contemporary Energy Crisis and Future Scenario
6. Sustainable Resource Development

Reference:

- ▶ Cutter S. N., Renwick H. L. and Renwick W., 1991: Exploitation, Conservation, And Preservation: A Geographical Perspective on Natural Resources Use, John Wiley and Sons, New York.
- ▶ Gadgil M. and Guha R., 2005: The Use and Abuse of Nature: Incorporating This Fissured Land: An Ecological History of India and Ecology and Equity, Oxford University Press. USA.
- ▶ Holechek J. L. C., Richard A., Fisher J. T. and Valdez R., 2003: Natural Resources: Ecology, Economics and Policy, Prentice Hall, New Jersey.
- ▶ Jones G. and Hollier G., 1997: Resources, Society and Environmental Management, Paul Chapman, London.
- ▶ Klee G., 1991: Conservation of Natural Resources, Prentice Hall, Englewood.
- ▶ Mather A. S. and Chapman K., 1995: Environmental Resources, John Wiley and Sons, New York.
- ▶ Mitchell B., 1997: Resource and Environmental Management, Longman Harlow, England.
- ▶ Owen S. and Owen P. L., 1991: Environment, Resources and Conservation, Cambridge University Press, New York.
- ▶ Rees J., 1990: Natural Resources: Allocation, Economics and Policy, Routledge. London

DSE - 4 (Theoretical) : SOIL AND BIO GEOGRAPHY

Credit: 6

Total Marks: 60+15

End Term Examination Time: 3 hours

Pattern of Setting Questions:

- 10 questions to be answered out of 15, each question carries 02 Marks, Total 20 Marks;
- 4 questions to be answered out of 6, each question carries 05 Marks, Each question shall have at least two parts. Total 20 Marks;
- 2 questions to be answered out of 4, each question carries 10 Marks, Each question shall have at least two parts. Total 20 Marks;
- Internal Assessment: 15 (Assessment 10 and Attendance 05 Marks) Marks

Unit: 1: Soil Geography

1. Soil: Definition, Factors of Formation
2. Development and Characteristics of an ideal Soil Profile
3. Physical and Chemical Properties of Soil with special reference to Texture, Structure, Organic Carbon and pH
4. Concept of Zonal, Azonal and Intrazonal Soil; Formation and Profile Characteristics of Laterite and Podsol
5. Classification of Soil : Russian and Indian (ICAR)
6. Soil Degradation and Management

Unit-2: Bio-Geography

1. Definition and Scope of Bio-geography, Meaning of Biosphere, Ecology, Ecosystem, Environment, Communities, Habitats, Niche, Ecotone and Biotopes
2. Biosphere and Energy: Laws of Energy Exchange, Food Chain, Food Web and Energy Flow
3. Bio-Geo Chemical Cycle: Carbon, Nitrogen
4. Factors of Plant Growth: Light, Heat, Moisture, Wind, Soil and Topography
5. Biomes – Concept and Classification; Tropical Rainforest and Temperate Grassland
6. Threat to Biodiversity- Causes, Consequences and Conservation

Reference

Soil Geography

- Biswas, T.D. and Mukherjee, S.K. 1987, *Text book of Soil Science*. Tata-McGraw-Hill.
- Brady. N.C. and Weil. R.R. 1996, *The Nature and Properties of Soil*. 11th edition. Longman. London.
- Floth. H.D. 1990, *Fundamentals of Soil Science*, 8th edition. John Wiley and Sons. New York.
- Morgan. R.P.C. 1995, *Soil Erosion and Conservation*, 2nd edition. Longman. London.
- Schwab. G.O. Fandmeir. D.D. and Eliot, W.J. 1996, *Soil and Water Management Systems*, 4th edition, John Wiley and Sons Inc. New York.
- Young. A. 2000, *Land Resources: Now and for the Future*, Cambridge University Press. Cambridge.
- De N K and P Ghosh, 2013, *Geography of Soils*, Shribhumi Publishing House, 101B, Sitaram Ghosh Street, Kolkata - 700009

Biogeography:

- Chapman J.L. and Reiss. J.J. 1993, *Ecology: Principles and Applications*, Cambridge University Press, Cambridge.
- Chiras D.D. Reganold J.P. and Owen, O.S. 2002, *Natural Resource Conservation. Management for a Sustainable Future*. 8th edition, Prentice Hall. Englewood Cliffs.
- Dash. M.C. 2001, *Fundamentals of Ecology*, 2nd edition, Tata McGraw-Hill, New Delhi.
- Huggett. R. 1998, *Fundamentals of Biogeography*, Routledge. London.
- Kormondy. E.J. 1996, *Concepts of Ecology*, 4th edition. Prentice-Hall, India. New Delhi.
- Myers. A.A. AND Giller. P.S. (editors) 1988, *Analytical Biogeography: An Integrated Approach to the study of Animal and Plant Distributions*. Chapman and Hall. London.
- Odum E.P. 1997, *Ecology: A Bridge between Science and Society*, Sinaur Associates Inc. Publishers, Sunderland..
- Sharma P.D. 1996, *Ecology and Environment*, 7th edition, Rastogi Publications, Mirat.
- Weddell, B.J. 2002, *Conserving Living Natural Resources in the Context of a Changing World*. Cambridge University Press. Cambridge.
- World Wide Fund for Nature-India (Eastern Region) 1995, *Nature Conservation Handbook*. Calcutta.

OR

DSE - 4 (Theoretical) : AGRICULTURAL GEOGRAPHY **Credit: 6**

Total Marks: 60+15

End Term Examination Time: 3 hours

Pattern of Setting Questions:

- 10 questions to be answered out of 15, each question carries 02 Marks, Total 20 Marks;
- 4 questions to be answered out of 6, each question carries 05 Marks, Each question shall have at least two parts. Total 20 Marks;
- 2 questions to be answered out of 4, each question carries 10 Marks, Each question shall have at least two parts. Total 20 Marks;
- Internal Assessment: 15 (Assessment 10 and Attendance 05 Marks) Marks

Unit-I

1. Origin and Diffusion of Agriculture
2. Concepts and Types of Agricultural Systems
3. Physical and Human Influences on the Distribution of Agricultural Systems
4. Classification and Characteristics of Agricultural Regions of the World
5. Characteristics and Distribution of Dairy Farming
6. Models of Agricultural Location by Sinclair
7. Crop Combination (Weaver)
8. Crop Diversification (Jasbir Singh)

Unit-II

1. Methods of Agricultural Regionalization
2. Agro-climatic Regions of India
3. Green Revolution in India: Problems and Prospects
4. Agricultural Credit and Marketing: NABARD

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THE UNIVERSITY OF BURDWAN



Burdwan-713104, West Bengal

**SYLLABUS FOR B.A. HONOURS
IN
SANSKRIT
UNDER SEMESTER WITH CBCS
(Effective from 2017- 18)**

	OR				
	Technique of Sanskrit Language (60 classes)				
	I.Amarakoṣa- Liṅgādisaṅgrahavarga II. Dhātupāṭha (Bhṛvādi-1-30)	Total		24	300

Semester - VI

Course Code	Course Title	Course Type	L.T.P	Credit	Marks			
CC -13	Indian Ontology and Epistemology	Core Course	5-1-0	6	75			
	(A) Tarkasaṅgraha – (saptapadārtha, karaṇa, pratyakṣa and sannikarṣa) (30 classes)							
	(B) Vedāntasāra - (Excluding the last portion beginning with Mahāvākyārtha). (30 classes)							
CC-14	Sanskrit Composition and Communication	Core Course	5-1-0	6	75			
	(A) Case-endings and Cases-(From First Case-ending and Nominative case to Fifth case ending and Ablative case as in Siddhāntakaumudī (40 classes)							
	(B) Translation and Comprehension. (10 classes) (C) Reporting (10 classes)							
DSE-3	Fundamentals of Āyurveda (A)Concept of Aṣṭāṅga Āyurveda. (30 classes) (B)Taittirīyopaniṣad –Bhṛguballī- (1-3) (30 classes) OR Environmental Awareness in Sanskrit I.Manusāṁhitā - 2/54,57, 3/163. 4/56,60,62,66,76,83,138,139. 6/46. 8/285. 9/281,289. 11/64-66,145. (30 classes)	Discipline Specific Elective	5-1-0	6	75			
	II.Varāhapurāṇa - 172/35,36,37. (10 classes)							
	III.Brahmanārādiyaṅpurāṇa -13/52. (10 classes) IV.Yājñavalkyaśaṁhitā —2/230-232. (10 classes)							
DSE-4	Art of Balanced Living (A) Yogasūtra –I (1,2 &12-16) (30 classes) Yogasūtra –II (29,30,32,46,49 &50) (B) Śrīmadbhagavadgītā – Chapter –III (5-8,10-16,20&21) (30 classes) OR Indian system of Logic (60 classes)	Discipline Specific Elective	5-1-0	6	75			
	Anumānakhaṇḍa & Upamānakhaṇḍa of Tarkasaṅgraha					1	24	300

THE UNIVERSITY OF BURDWAN



**Curriculum and Syllabus For 3-Year B. Sc. (Honours)
in
Botany**

**Under Choice Based Credit System (CBCS)
(*w.e.f.* Academic Year 2017-2018)**

Semester III

Core Course 5 : Plant Ecology and Phytogeography

(Theory-4, Practical-2)

Credits: 6

THEORY

Lectures: 60

Unit 1: Introduction

(6 lectures)

Basic concepts; Levels of organization. Inter-relationships between the living world and the environment, the components and dynamism, homeostasis.

Unit 2: Soil

(6 lectures)

Importance; Origin; Formation; Composition; Physical; Chemical and Biological components.

Unit 3: Water

(4 lectures)

Importance: States of water in the environment; Atmospheric moisture; Precipitation types (rain, fog, snow, hail, dew); Hydrological Cycle; Water in soil.

Unit 4: Light, temperature, wind and fire

(4 lectures)

Climatic variables; adaptations of plants to their variation.

Unit 5: Ecosystem

(8 lectures)

Structure; Process; Trophic organization, basic source of energy, autotrophy, heterotrophy; symbiosis, commensalism, parasitism; food chains and webs; ecological pyramids; biomass, standing crop.

Unit 6: Population ecology

(4 lectures)

Characteristics and Dynamics .Ecological Speciation

Unit 7: Plant communities

(8 lectures)

Concept of ecological amplitude; Habitat and niche; Characters: analytical and synthetic; Ecotone and edge effect; Dynamics: succession – processes, types; climax concepts.

Unit 8: Functional aspects of ecosystem

(8 lectures)

Principles and models of energy flow; Production and productivity; Ecological Biogeochemical cycles; Cycling of Carbon, Nitrogen and Phosphorus.

Unit 9: Phytogeography

(12 lectures)

Principles; Continental drift; Theory of tolerance; Endemism; Characteristic features of major terrestrial biomes (one each from tropical, temperate & tundra); Phytogeographical division of India [Phytogeographical classification of India (D. Chatterjee- 1962)]; Vegetation Characteristics of Eastern Himalaya and Sunderbans.

Suggested Readings

1. Marimuthu, T. Krishnamoorthy, A.S. Sivaprakasam, K. and Jayarajan. R (1991) Oyster Mushrooms, Department of Plant Pathology, Tamil Nadu Agricultural University, Coimbatore.
2. Swaminathan, M. (1990) Food and Nutrition. Bappco, The Bangalore Printing and Publishing Co. Ltd., No. 88, Mysore Road, Bangalore - 560018.
3. Tewari, Pankaj Kapoor, S.C., (1988). Mushroom cultivation, Mittal Publications, Delhi.
4. Nita Bahl (1984-1988) Hand book of Mushrooms, II Edition, Vol. I & Vol. II.

(5) Agricultural Botany Credit 2

Lectures =30

Unit: 1 Plant physiology (Lectures : 11)

- a) Plant water relation, stomatal regulation, mineral nutrition, N₂ cycle.
- b) CO₂ fixation mechanism in C₂,C₃,C₄ and CAM plants. Transport of water and photosynthate.
- c) Plant development Phytohormones : IAA, GA, Cytokinin, ABA, Ethylene; their role and regulation in plant system
- d) Physiology of flowering and seed development

Unit: 2 Organic farming (Lectures : 6)

- a) Microbes used as bio fertilizer
- b) Cyanobacteria isolation and mass multiplication
- c) Mycorrhizal association in Agriculture

Unit:3 Plant breeding, Tissue culture and Biotechnology (Lectures : 13)

- a) Mass selection and pure line selection, heterosis breeding
- b) Marker assisted breeding for agronomic crops
- c) Micro propagation techniques, different organ culture
- d) *Agrobacterium* mediated transformation, vector mediated transformation, Biolistics
- e) GMO, transgenic plant, patent.
- f) Molecular markers used in Agriculture

Suggested Reading

1. Plant Physiology -Plant Physiology by Taiz and Zeiger
2. Marker-Assisted Plant Breeding: Principles and Practices - A. K. Singh and B. D. Singh

Skill Enhancement Courses

SEC-2 (any one)

(1) Biofertilizers

Credits : 2

Lectures: 30

Unit 1: General account about the microbes used as biofertilizer – Rhizobium – isolation, identification, mass multiplication, carrier based inoculants, Actinorrhizal symbiosis.

(4 lectures)

Unit 2: *Azospirillum*: isolation and mass multiplication – carrier based inoculant, associative effect of different microorganisms. *Azotobacter*: classification, characteristics – crop response to *Azotobacter* inoculum, maintenance and mass multiplication.

(8 lectures)

Unit 3: Cyanobacteria (blue green algae), *Azolla* and *Anabaena azollae* association, nitrogen fixation, factors affecting growth, blue green algae and *Azolla* in rice cultivation.

(4 lectures)

Unit 4: Mycorrhizal association, types of mycorrhizal association, taxonomy, occurrence and distribution, phosphorus nutrition, growth and yield – colonization of VAM – isolation and inoculum production of VAM, and its influence on growth and yield of crop plants.

(8 lectures)

Unit 5: Organic farming – Green manuring and organic fertilizers, Recycling of bio-degradable municipal, agricultural and Industrial wastes – biocompost making methods, types and method of vermicomposting – field Application.

(6 lectures)

Suggested Readings

1. Dubey, R.C., 2005 A Text book of Biotechnology S.Chand & Co, New Delhi.
2. Kumaresan, V. 2005, Biotechnology, Saras Publications, New Delhi.
3. John Jothi Prakash, E. 2004. Outlines of Plant Biotechnology. Emkay Publication, New Delhi.
4. Sathe, T.V. 2004 Vermiculture and Organic Farming. Daya publishers.
5. Subha Rao, N.S. 2000, Soil Microbiology, Oxford & IBH Publishers, New Delhi.
6. Vayas, S.C., Vayas, S. and Modi, H.A. 1998 Bio-fertilizers and organic Farming Akta Prakashan, Nadiad

(2) Herbal Technology

Credits : 2

Lectures: 30

Unit 1: Herbal medicines: history and scope - definition of medical terms - role of medicinal plants in Siddha systems of medicine; cultivation - harvesting - processing - storage - marketing and utilization of medicinal plants.

(6 Lectures)

Unit 2: Pharmacognosy - systematic position and medicinal uses of the following herbs in curing various ailments; Tulsi, Ginger, Fenugreek, Indian Goose berry and Ashoka.

(6 Lectures)

Unit 3: Phytochemistry - active principles and methods of their testing - identification and utilization of the medicinal herbs; *Catharanthus roseus* (cardiotonic), *Withania somnifera* (drugs acting on nervous system), *Clerodendrum phlomides* (anti-rheumatic) and *Centella asiatica* (memory booster).

(6 Lectures)

Unit 4: Analytical pharmacognosy: Drug adulteration - types, methods of drug evaluation - Biological testing of herbal drugs - Phytochemical screening tests for secondary metabolites (alkaloids, flavonoids,

(2) Plant Evolution and Biodiversity Credits: 6

(Theory-4, Practical-2)

Theory Lectures 60

Unit 1: Earliest forms of plant life: the earliest environment; formation of first cell; first prokaryotes; evolution of eukaryotes. **(12 lectures)**

Unit 2: Evolutionary trends: green algae to land plants; non-vascular to vascular plants; gymnosperm to angiosperms; evolution of plants using C₄ and CAM photosynthetic pathway.

(12 lectures)

Unit 3: Phylogeny of plants: the archetypes of plants; evolution in major groups of plants.

Phylogeny of flowering plants: Basal flowering plants and Eumagnoliids; Monocots; Eudicots; Core eudicots. **(12 lectures)**

Unit 4: Evolutionary theories: Natural Selection, Group Selection, Neutral theory of molecular evolution. **(12 lectures)**

Unit 5: Plant diversity around the world: aquatic and wetland plants; halophytes; plant of low-nutrient conditions; plants of moist shady habitats (Sciophytes); epiphytes; climbers; plants of cold or hot arid habitats; island floras. **(12 lectures)**

Practical (Credit 2)

1. Study of vegetative and reproductive structure of aquatic plants (*Nostoc*, *Chlamydomonas*, *Oedogonium*, *Vaucheria*, *Polysiphonia*).
2. Study of vegetative and reproductive structure of plants of moist shady habitats (*Marchantia*, *Funaria*, *Pteris*).
3. Leaf anatomy of *Suaeda*, *Avicennia* and *Hertiera* (Halophytes)- Photographs
4. Morphological and anatomical study of *Hydrilla*, *Vallisneria* and arum.
5. Morphological and anatomical study of plants of arid habitat (*Nerium* and *Pinus*).
6. Field visit and report preparation.

Suggested reading

1. Plant Diversity and Evolution: Genotypic and Phenotypic Variation in Higher Plants– edited **by** Robert J. Henry, CABI Publishing.
2. Plants: Evolution and Diversity **by** Martin Ingrouille and Bill Eddie, Cambridge University Press.
3. The Evolution of Plants **by** K.J. Willis & J.C. McElwain, Oxford University Press.

B.A./B.Sc. (General) Program in Physical Education w.e.f. 2017-18

1st Semester

Course Code	Course Title	Course Type	LTP	Credit	Marks
CC1A	Foundation and History of Physical Education	Core course	4-0-2	6	75
CC2A	Discipline-2 (Core-1) other than Physical Education	Core course		6	75
CC (Language)	Language 1A	Core course Language	5-1-0	6	75
AECC 1	Environmental Studies	AECC-1 compulsory	4-0-0	4	100
		SEMESTER TOTAL		22	325

B.A./B.Sc. Program in Physical Education

2nd Semester

Course Code	Course Title	Course Type	LTP	Credit	Marks
CC1B	Management of Physical Education and Sports	Core course	4-0-2	6	75
CC2B	Discipline-2(Core-2) other than Physical Education	Core course		6	75
CC(Language)	Language 2A	Core course Language	5-1-0	6	75
AECC-2	communicative ENG or MIL	AECC-2 Compulsory	2-0-0	2	50
		SEMESTER TOTAL		20	275

B.A./B.Sc. Program in Physical Education

3rd Semester

Course Code	Course Title	Course Type	LTP	Credit	Marks
CC1C	Anatomy, Physiology and Exercise Physiology	Core course	4-0-2	6	75
CC2C	Discipline-2 (Core-3) other than Physical Education	Core course		6	75
CC (Language)	Language 1B	Core course Language	5-1-0	6	75
SEC (1)	Track and Field	SEC	0-0-2	2	50
		SEMESTER TOTAL		20	275

B.A./B.Sc. Program in Physical Education

4th Semester

Course Code	Course Title	Course Type	LTP	Credit	Marks
CC1D	Health Education, Physical Fitness and Wellness	Core course	4-0-2	6	75
CC2D	Discipline-2 (Core-4) other than Physical education	Core course		6	75
CC (Language)	Language 2B	Core course Language	5-1-0	6	75
SEC (2)	Gymnastics and Yoga	SEC	0-0-2	2	50
		SEMESTER TOTAL		20	275

SEMESTER- 4

CORE PAPER- 4: Health Education, Physical Fitness and Wellness

Course Code- CC1D

Total number of classes - 60

Unit- I: Introduction

LH - 18

Concept, definition and dimension of Health.

Definition, aim, objectives and principles of Health Education.

Health Agencies- World Health Organization (WHO), United Nations Educational Scientific and Cultural Organization (UNESCO).

School Health Program- Health Service, Health Instruction, Health Supervision, Health appraisal and Health Record.

Unit- II: Health Problems in India- Prevention and Control

LH - 18

Communicable Diseases- Malaria, Dengue and Chicken Pox.

Non-communicable Diseases- Obesity, Diabetes and AIDS.

Nutrition- Nutritional requirements for daily living. Balance Diet. Health disorders due to deficiencies of Vitamins and Minerals.

Postural deformities- Causes and corrective exercise of Kyphosis, Lordosis, Scoliosis, Knock Knees and Flat Foot.

Unit- III: Physical Fitness and Wellness

LH - 12

Physical Fitness- Meaning, definition and Importance of Physical Fitness.

Components of Physical Fitness- Health and Performance related Physical Fitness.

Concept of Wellness. Relationship between Physical activities and Wellness.

Ageing- Physical activities and its importance.

Unit- IV: Health and First-aid Management

LH - 12

First aid- Meaning, definition, importance and golden rules of First-aid.

Concept of sports injuries- Sprain, Strain, Fracture and Dislocation.

Management of sports injuries through the application of Hydro-therapy and Thermo-therapy.

Management of sports injuries through the application of Exercise and Massage therapy.

LAB PRACTICAL

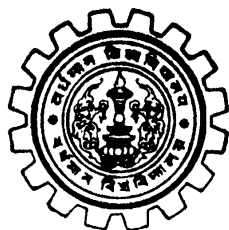
1. First-aid Practical- Triangular Bandage: Slings (Arm Sling, Collar & Cuff Sling), Roller Bandages: Simple Spiral, Reverse Spiral, Figure of Eight, Spica.
2. Practical knowledge on Hydro-therapy and Thermo-therapy.

REFERENCES

1. Bucher, Charles A. "Administration of Health and Physical Education Programme".
2. Delbert, Oberteuffer, et. al. "The School Health Education".
3. Ghosh, B.N. "Treaties of Hygiene and Public Health".
4. Hanlon, John J. "Principles of Public Health Administration" 2003.
5. Turner, C.E. "The School Health and Health Education".
6. Moss et. al. "Health Education" (National Education Association of U.T.A.).
7. Nemir A. "The School Health Education" (Harber and Brothers, New York).
8. Nutrition Encyclopedia, edited by Delores C.S. James, The Gale Group, Inc.
9. Boyd-Eaton S. et al (1989) The Stone Age Health Programme: Diet and Exercise as Nature Intended. Angus and Robertson.

**Syllabus Chemistry
(Hons.)
for SEM-I to SEM-VI
under CBCS**

(to be effective from Academic Year: 2017-18)



**The University of Burdwan
Burdwan, West Bengal**

(For the students of discipline other than chemistry)

Title: **Solutions, Phase Equilibria, Conductance, Electrochemistry & Analytical and Environmental Chemistry**

Physical Chemistry

1. Solutions

a. Ideal solutions and Raoult's law, deviations from Raoult's law – non-ideal solutions; Vapour pressure-composition and temperature-composition curves of ideal and non-ideal solutions; Distillation of solutions; Lever rule; Azeotropes.

b. Critical solution temperature; effect of impurity on partial miscibility of liquids; Immiscibility of liquids- Principle of steam distillation; Nernst distribution law and its applications, solvent extraction.

2. Phase Equilibria

a. Phases, components and degrees of freedom of a system, criteria of phase equilibrium; Gibbs Phase Rule and its thermodynamic derivation; Derivation of Clausius – Clapeyron equation and its importance in phase equilibria; Phase diagrams of one-component system (water).

3. Conductance

a. Conductance, cell constant, specific conductance and molar conductance; Variation of specific and equivalent conductance with dilution for strong and weak electrolytes; Kohlrausch's law of independent migration of ions; Equivalent and molar conductance at infinite dilution and their determination for strong and weak electrolytes; Ostwald's dilution law; Application of conductance measurement (determination of solubility product and ionic product of water); Conductometric titrations (acid-base).

b. Transport Number and principle of Moving-boundary method.

4. Electromotive force

a. Faraday's laws of electrolysis, rules of oxidation/reduction of ions based on half-cell potentials, applications of electrolysis in metallurgy and industry; Chemical cells, reversible and irreversible cells with examples; Electromotive force of a cell and its measurement, Nernst equation; Standard electrode (reduction) potential; Electrochemical series; Thermodynamics of a reversible cell, calculation of thermodynamic properties: G, H and S from EMF data.

b. Concentration cells with and without transference, liquid junction potential; pH determination using hydrogen electrode and quinhydrone; Qualitative discussion of potentiometric titrations (acid-base, redox, precipitation).

Analytical and Environmental Chemistry

1. Chemical Analysis

a. Gravimetric analysis: solubility product and common ion effect; requirements of gravimetry; gravimetric estimation of chloride, sulphate, lead, barium, nickel, copper and zinc.

b. Volumetric analysis: primary and secondary standard substances; principles of acid-base, oxidation –reduction and complexometric titrations; indicators: acid-base, redox and metal ion; principles of estimation of mixtures: NaHCO_3 and Na_2CO_3 (by acidimetry); iron, copper, manganese and chromium (by redox titration); zinc, aluminum, calcium and magnesium (by complexometric EDTA titration).

c. Chromatography: Chromatographic methods of analysis: column chromatography and thin layer chromatography.

2. Environmental Chemistry

a. The Atmosphere: composition and structure of the atmosphere; troposphere, stratosphere, mesosphere and thermosphere; ozone layer and its role; major air pollutants: CO , SO_2 , NO_x and particulate matters – their origin and harmful effects; problem of ozone layer depletion; green house effect; acid rain and photochemical smog; air pollution episodes: air quality standard; air pollution control measures: cyclone collector, electrostatic precipitator, catalytic converter.

b. The Hydrosphere: environmental role of water, natural water sources, water treatment for industrial, domestic and laboratory uses; water pollutants; action of soaps and detergents, phosphates, industrial effluents, agricultural runoff, domestic wastes; thermal pollution, radioactive pollution and their effects on animal and plant life; water pollution episodes: water pollution control measures : waste water treatment; chemical treatment and microbial treatment; water quality standards: DO, BOD, COD, TDS and hardness parameters; desalination of sea water : reverse osmosis, electrodialysis.

c. The Lithosphere: water and air in soil, waste matters and pollutants in soil, waste classification, treatment and disposal; soil pollution and control measures.

The University of Burdwan



Syllabus for B.A.(Hons.)

in

Bengali

Under Semester with

Choice Based Credit System

w.e.f. 2020-21

(পঠনীয়গ্রন্থ : ভাষার ইতিবৃত্ত- সুকুমারসেন, ভাষাতত্ত্ব- অতীন্দ্র মজুমদার, আধুনিক ভাষাবিজ্ঞান ও বাংলাভাষা-
রামেশ্বর শ', তুলনামূলক ও ঐতিহাসিক ভাষাবিজ্ঞান – হুমায়ুন আজাদ)

CC-7: উনিশ শতকের কাব্য (UnishShatakerkabya) Class 60

বীরাঙ্গনা কাব্য – মাইকেল মধুসূদন দত্ত

Class 30

(দুগ্ধশ্বেতের প্রতি শকুন্তলা, সোমের প্রতি তারা, দশরথের প্রতি কেকয়ী, লক্ষ্মণের প্রতি সূৰ্পণখা, পুরুরবার
প্রতি উর্বশী, নীলধ্বজের প্রতি জনা)

সারদামঙ্গল—বিহারীলাল চক্রবর্তী

Class 30

GE -3 : বাংলা সাহিত্যের ইতিহাস (Bangla Sahityer Itihas) Class 60

চর্যাগীতি, শ্রীকৃষ্ণকীর্তন, কৃত্তিবাস, কবিকঙ্কণ, কাশীরাম, বিদ্যাপতি, চণ্ডীদাস, গোবিন্দদাস, ভারতচন্দ্র,
ফোর্ট উইলিয়াম কলেজের গদ্যচর্চা, রাজা রামমোহন রায়, বিদ্যাসাগর

উপন্যাস : বঙ্কিমচন্দ্র, রবীন্দ্রনাথ, শরৎচন্দ্র

নাটক : মধুসূদন, গিরিশচন্দ্র, বিজন ভট্টাচার্য

ছোটোগল্প : রবীন্দ্রনাথ

প্রবন্ধ : রামেন্দ্রসুন্দর ত্রিবেদী

কবিতা : জীবনানন্দ দাশ, সুনীল গঙ্গোপাধ্যায়

SEC-1 : বাংলা ব্যাকরণ (Bangla Byakaran)

Class 20

পদপরিচয়, সন্ধি, সমাস

কারক, বিভক্তি, বাচ্য ও বাক্য পরিবর্তন

Semester IV

CC-8 : কবিতা (Kabita)

Class 60

রবীন্দ্রনাথের কবিতা

Class 30

(পাঠ্য কবিতাসমূহ: নির্ব্বারের স্বপ্নভঙ্গ , মেঘদূত, দুইপাখি, বিদায় অভিশাপ, ব্রাহ্মণ, হারিয়ে যাওয়া,
ছেলেটা, পৃথিবী)

আধুনিক বাংলা কবিতা – বর্ধমান বিশ্ববিদ্যালয় প্রকাশিত

Class 30

(পাঠ্যকবিতা : বনলতা সেন- জীবনানন্দ দাশ, মানুষ – কাজী নজরুল ইসলাম, শাস্ত্রী- সুধীন্দ্রনাথ দত্ত,

সংগতি – অমিয় চক্রবর্তী, হারিয়ে – প্রেমেন্দ্র মিত্র, একখানা হাত – বুদ্ধদেব বসু, তুমি শুধু পঁচিশে

**Details of Different Seminars and Social
Works organised by the College**

**Two Day National Seminar On
“Popular and Basic Sciences: A Quest Towards
Foundation of Science”**

Organized by:

Sarat Centenary College, Dhaniakhali, Hooghly, WB, PIN-712302

Sponsored by:

Department of Science & Technology and Biotechnology (DSTBT),
Govt. of West Bengal

Vigyan Chetana Bhavan, DD-26/B, Sector-I, Salt Lake, Kolkata-700 064

Venue: [Sarat Centenary College, Dhaniakhali](#)

Date: Friday & Saturday **23-24 September, 2022**

Weblink for Seminar Brochure:

[https://scollegednk.ac.in/images/uploads/Science%20Popularisation%20Seminar%20Flyer%20SCC\(2022\).pdf](https://scollegednk.ac.in/images/uploads/Science%20Popularisation%20Seminar%20Flyer%20SCC(2022).pdf)

Weblink for Book of Abstracts:

https://scollegednk.ac.in/images/uploads/Book_of%20Abstract_Full_Version.pdf

Two-Day National Seminar on “Biodiversity Conservation & Sustainable Development--- with a sense of urgency to combat desertification and climate change”

Organized by:

Sarat Centenary College, Dhaniakhali, Hooghly, WB, PIN-712302

Sponsored by:

Department of Science & Technology and Biotechnology (DSTBT),
Govt. of West Bengal

Vigyan Chetana Bhavan, DD-26/B, Sector-I, Salt Lake, Kolkata-700 064

Venue: [Sarat Centenary College, Dhaniakhali](#)

Date: 22-23rd April, 2022

Weblink for Seminar Brochure:

<https://sccollegednk.ac.in/images/uploads/National%20Seminar%20Biodiversity%20%20Flyer%20SCC%20April%202022.pdf>

Weblink for Book of Abstracts:

[https://sccollegednk.ac.in/images/uploads/National%20Seminar%20Book%20of%20Abstract\(2022\).pdf](https://sccollegednk.ac.in/images/uploads/National%20Seminar%20Book%20of%20Abstract(2022).pdf)

Webinar
on
‘National Science Day’

Organized by:

Science Departments & IQAC, Sarat Centenary College, Dhaniakhali,
Hooghly, WB, PIN-712302

Sponsored by:

Sarat Centenary College

Online Platform: Google Meet

Date & Time: 28 February 2021 at 3:30 PM

Speakers:

Prof. Sourav Mukhopadhyay, Dept. of Mathematics, IIT-Kharagpur

Prof Argha Deb, Dept. of Physics, Jadavpur University

Dr. Usha Chakraborty, Former Professor, Department of Botany,
University of North Bengal

The webinar hosted at **Google Meet**.

Meeting link: <https://meet.google.com/scr-mokp-bku>

Young Researchers' International Webinar
on
The Evolution of Bengali Identity Reflections
in Literature, Culture & Society

Organized by:

postScriptum: An Interdisciplinary Journal of Literary Studies Online,
Open Access, Peer-Reviewed, Indexed in DOAJ, ISSN 2456-7507 A
Publication of the Department of English, Sarat Centenary College

Sponsored by:

Sarat Centenary College

Online Platform: Google Meet

Date: 10, 11, 12 October 2020

The webinar was live-streamed at

<https://www.facebook.com/psjourn/live/>

Meeting link: <https://meet.google.com/qyd-gwqh-ovw>

Weblink for Webinar CFP:

<https://scollegednk.ac.in/images/uploads/Bengali-Identity-YRIW.pdf>

Weblink for Webinar Brochure:

<https://postscriptum.co.in/wp-content/uploads/2020/10/YRIW-Brochure.pdf>

Two-Day Internal Online Faculty Development Programme

Organized by:

IQAC, Sarat Centenary College, Dhaniakhali, Hooghly, WB,

PIN-712302

Sponsored by:

Sarat Centenary College

Online Platform: Google Meet

Date: 06 & 07 September, 2020, 03 PM Onwards

Weblink for Schedule:

https://scollegednk.ac.in/images/uploads/Two-Day%20FDP_SCC.pdf

Webinar
on
**"Pandemic Covid-19; Threats to Life, Economy
and Education in India"**

Organized by:

Department of Commerce and & IQAC, Sarat Centenary College,
Dhaniakhali, Hooghly, WB, PIN-712302

Sponsored by:

Sarat Centenary College

Online Platform: YouTube

Date & Time: 25 July, 2020 at 12.00 Noon

Speaker:

Dr Ananda Mohan Pal, Professor in the Department of Business
Management, University of Calcutta

YouTube Weblink for the Webinar :

https://youtu.be/K5SwU5_KgkE

Webinar
on
"Covid-19: Facts and Facets"

Organized by:

IQAC, Sarat Centenary College, Dhaniakhali, Hooghly, WB, PIN-
712302

Sponsored by:

Sarat Centenary College

Online Platform: YouTube

Date & Time: 26 June, 2020 at 03.00 PM

Speaker:

Dr Arup Kumar Mitra, Associate Professor in the Department of
Microbiology at St. Xavier's College (Autonomous), Kolkata

YouTube Weblink for the Webinar :

https://youtu.be/XGod_vO09tY

Sarat Centenary College
National Service Scheme
SPECIAL CAMP



(Sponsored by NSS Dept, the University of Burdwan)

23rd to 29th March, 2023

NSS Units- 1, 2 & 3

From: The Principal & Secretary, Sarat Centenary College
The Programme Officer of NSS, Unit- 1, 2 & 3

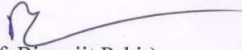
Date: 21.03.2023


It gives us immense pleasure to inform you that we are going to organise a SPECIAL CAMP of NSS Unit- 1, 2 & 3 of our college on the theme 'Environment including preservation of natural resources' on and from 23th to 29th March, 2023 for 7 days at Champaberia Yubak Sangha Campus, Harpur Primary School Campus, Kachharipara Sindhubala Primary School premises respectively. The inauguration will be held at Sarat Centenary College Campus on 23rd March, 2023 at 12:30 afternoon.

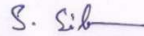
All teaching and non-teaching staff of Sarat Centenary College and volunteers of NSS Unit-1, 2 & 3 concerned are earnestly requested to join and co-operate with the said programme and make it successful.

Thanking you,


Yours sincerely,


(Prof. Biswajit Pakir)

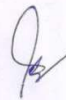

(Prof. Pankaj Sen)


(Prof. Satyajit Sinha)

Programme Officers
National Service Scheme
S.C. College NSS Unit-1, 2 & 3
Dhaniakhali, Hooghly


(Dr. Sandip Kumar Basak)
Principal & Secretary
Sarat Centenary College
Dhaniakhali, Hooghly

Principal & Secretary,
Sarat Centenary College
P.O.- Dhaniakhali, Dist.- Hooghly



SARAT CENTENARY COLLEGE



National Service Scheme

SPECIAL CAMP

(Sponsored by NSS Dept, the University of Burdwan)

23rd to 29th March, 2023

NSS Units- 1, 2 & 3

NOTICE

Date: 22.03.2023

It is hereby notified that our College NSS Units have organized a 7 days Special Camp for our NSS volunteers of 6th Semester on and from 23rd to 29th March, 2023 in our College premises in accordance with the relevant order of the University of Burdwan. The inauguration will be held on 23rd March, 2023 at 12:30 pm in our College Auditorium Hall. This special camp is compulsory for 6th Semester volunteers.

The schedule of the regular activities are given below:

Daily Activities	Time
Flag hoisting	10:30am
Campus Cleaning	11:00am-12:00 noon
Adopted village survey	12:00 noon-1:30pm
Tiffin / Lunch	1:30pm- 2:30pm
Seminar / Invited Lecture / Awareness Program	2:30pm- 3:30pm
Cultural Program	3:30pm – 4:00pm
Flag de-hoisting	4:00pm



S. K. Basak

[Dr Sandip Kumar Basak]
Principal & Secretary
Sarat Centenary College

Principal & Secretary
Sarat Centenary College
Dhaniakhali, Hooghly

S. K. Basak

From: Principal & Secretary

+91 3213 255282 +91 3213 257747

SARAT CENTENARY COLLEGE

Dhaniakhali, Hooghly, WB, PIN-712302

Founded: 1976

Re-Accredited by NAAC (CGPA: 2.33) & Recognised Under UGC 2F&12B

WB Govt. Aided & Affiliated to The University of Burdwan

e-Mail: saratcentenary@gmail.com ; principal_scollegednk@rediffmail.com

Website: www.scollegednk.org.in ; www.scollegednk.ac.in



Date: 12.11.2022

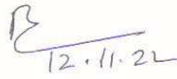
Notice

It is hereby notified that our NSS wings have arranged for an Orientation Program of NSS including NSS Enrollment for this session specifically for 1st Semester Students on 16.11.2022 (Wednesday) at 11:30 am in the Room No.706. So all students of 1st Semester are requested to attend the said program compulsory.


12.11.22

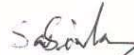
PANKAJ SEN
P.O, NSS

Programme Officer
NSS UNIT- II
Sarat Centenary College
Dhaniakhali, Hooghly

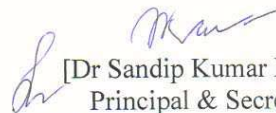

12.11.22

BISWAJIT PAKHRA
P.O, NSS

Programme Officer
NSS Unit- 1
Sarat Centenary College
Dhaniakhali, Hooghly



12.11.22
Programme Officer
NSS Unit- III
Sarat Centenary College
Dhaniakhali, Hooghly


[Dr Sandip Kumar Basak]
Principal & Secretary
Sarat Centenary College

Principal & Secretary
Sarat Centenary College
Dhaniakhali, Hooghly

From: Principal & Secretary
3213 257747

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Website: www.sccollegednk.ac.in

Date: 25/02/2019

NOTICE

This is to inform that all the teachers, staff and students are requested to be present in the Seminar and Health Check-up Camp programme organized by Nation Service Scheme (Unit-II) of Sarat Centenary College on the "National Science Day" dated 28/02/2019 (Thursday) positively.

Your cooperation is highly solicited.

S. h. Basak

[DR SANDIP KUMAR BASAK]
Principal
Sarat Centenary College

Principal & Secretary
Sarat Centenary College
Dhaniakhali, Hooghly

