



OFFICE OF THE PRINCIPAL/SECRETARY
JAGANNATH SINGH COLLEGE

Affiliated to Assam University, Silchar

P.O: UDHARBOND

CACHAR, ASSAM

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Estd. 1998

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1.3. Curriculum Enrichment

1.3.1 Institution integrates cross cutting issues relevant to professional ethics, Gender, Human Values, Environment and Sustainability in transacting the curriculum.

Cross cutting issues: Professional Ethics

Programme: All U.G. Programme

Name of the Course: AECC-I: English Communication

Cross cutting issues: Human Values

Programme: B.A. General with Hindi

Name of the Course: Hindi Gadya Sahitya

Cross cutting issues: Gender

Programme: B.A. General with Political Science

Name of the Course: Democratic Awareness and Legal Literacy

Programme: B.A. General with Economics

Name of the Course: Entrepreneurship and Small Business Development

Programme: B.A. General with English

Name of the Course: Indian English Literature

Programme: B.A. General with Bengali

Name of the Course: Rabindra Praborti Bangla Kabita

Cross cutting issues: Environment and Sustainability


Programme: All U.G. Programme

Name of the Course: Environmental Studies (AECC 2)

Programme: B.A. General with Economics

Name of the Course: Economic Development and Policy in India-I




(Dr. S. Somarendro Singha)
Principal

Jagannath Singh College
Principal

Jagannath Singh College
Udharbond, Cachar.

**B A, BCA, B Sc (Honours & Pass) under CBCS
Ability Enhancement Compulsory Course (AECC)**

AECC- 1: English Communication

Unit 1:

Language of Communication:

Verbal and Non-verbal
(Spoken and Written)
Personal, Social and Business

Unit 2:

Speaking Skills:

Monologue
Dialogue
Group Discussion
Effective Communication/ Mis- Communication
Interview

Unit 3:

Reading and Understanding:

Close Reading
Comprehension
Summary Paraphrasing

Unit 4:

Writing Skills I:

Documenting
Making notes

Unit 5:

Writing Skills II:

Report Writing
Letter writing

Recommended Readings:

1. *Fluency in English* - Part II, Oxford University Press, 2006.
2. *Business English*, Pearson, 2008.
3. *Language, Literature and Creativity*, Orient Blackswan, 2013.
4. *Language through Literature* (forthcoming) ed. Dr. Gauri Mishra, Dr Ranjana Kaul, Dr Brati Biswas.

Scheme of Examination:

The Course will be of 50 marks.
End Semester Examination: 50 marks.

End Semester Examination: 50 marks:

Five questions of ten marks taking one question from each unit (5x10) =50

TDC SYLLUBUS (CBCS)
B.A.(Programme)
Forth Semester
CORE COURSE
DISCIPLINE- SPECIFIC- Hindi
HIN(P) DSC-401
HINDI GADYA SAHITYA
हिंदी गद्य साहित्य

ट : सभी इकाइयों के अंक समान हैं।

काई एक : उपन्यास
✓ 'निर्मला' (प्रेमचंद)

काई दो : कहानी
निम्नलिखित चार कहानियाँ :
1.उसने कहा था (चंद्रधर शर्मा गुलेरी)
2.पुरस्कार (जयशंकर प्रसाद)
3.पूस की रात (प्रेमचंद)
4.वापिसी (उषा प्रियंवदा)

(पाठ्य पुस्तक: हिन्दी की प्रतिनिधि कहानियाँ, सं. डॉ. कृष्णा रैणा,वाणी प्रकाशन, नयी दिल्ली-02)

काई तीन : निबंध :
निम्नलिखित तीन निबंध
1.उत्साह (रामचंद्र शुक्ल)
2.हमारी श्रृंखला की कड़ियाँ (महादेवी वर्मा)
3.अशोक के फूल (हजारीप्रसाद द्विवेदी)

(पाठ्य पुस्तक: निबंध-संकलन , सं.डॉ रामकली सराफ,विश्वविद्यालय प्रकाशन, वाराणसी)

काई चार : नाटक
भारत दुर्दशा (भारतेन्दु हरिश्चंद्र)

काई पाँच : एकांकी
निम्नलिखित दो एकांकी
1. भोर का तारा (जगदीशचंद्र माथुर)
2. औरगजेब की आखिरी रात (डॉ. रामकुमार वर्मा)

3 पुस्तक : एकांकी सप्तक, सं0 डॉ. चम्पा श्रीवास्तव एवं प्रो. राजेन्द्र कुमार, लोकभारती प्र. इला.)

P.T.O.

Semester V
ECOSEC-501
Skill Enhancement Course (SEC)-III:
Entrepreneurship and Small Business Development

ge | 12 **Course Description:**

Entrepreneurship and small business development are areas that are constantly evolving, requiring creative minds that are willing to play with considerable levels of risk. This course shall teach how to turn a model or idea into a profitable product or service. Small business management and operations courses offer greater career flexibility to those studying business.

Unit I: Introduction

Entrepreneurship meaning, nature and Characteristics of entrepreneurship, Barriers to entrepreneurship

Unit II: Establishing a Small Enterprise

The startup process, project identification, selection of the product- selection of site/ location and legal considerations

Unit III: Small Enterprises and Enterprise Launching Formalities

Definition of Small Scale; Rationale; Objective; Scope; SSI; Registration; NOC from Pollution Board; Machinery and Equipment Selection

Unit IV: Role of Support Institutions and Management of Small Business

Director of Industries; DIC; SIDO; SIDBI; Small Industries Development Corporation (SIDC); SISI; NSIC; NISBUD; State Financial Corporation SIC.

✓ **Unit V: Microfinance and SHGS**

Concept of Microfinance; Role of Microfinance; Formation and Role of SHGs in development; Linkage of SHG and MFI; Women empowerment through SHGs.

Suggested readings

1. Desai, Vasant (2003). Small-Scale Industries and Entrepreneurship. Himalaya Publishing House, Delhi.
2. Kaulgud, Aruna (2003). Entrepreneurship Management. Vikas Publishing House, Delhi. 38
3. Cynthia, L. Greene (2004). Entrepreneurship Ideas in Action. Thomson Asia Pvt. Ltd, Singapore.
4. Watkins, T. A. (2018). Introduction to Microfinance. World Scientific Publishing Company.

SEC: P.sc Pass 401: PUBLIC OPINION AND SURVEY RESEARCH**Credits: 04****Full Marks: 100****External (70) Internal (30)**

Units	Topics	Lectures
1	Public opinion: Definition, characteristics, its role, uses of opinion poll.	
2	Sampling: Meaning, Types, Sampling Error	
3	a. Interviewing: Interview techniques pitfalls, different types of and forms of interview b. Questionnaire: Question wording; fairness and clarity.	
4	a. Introduction to quantitative data analysis b. Basic concepts: correlational research, causation and prediction.	
5	Opinion Poll: Merits, demerits and its implications in a democratic state	

Essential Readings:**I. Introduction to the course**

R. Erikson and K. Tedin, (2011) *American Public Opinion*, 8th edition, New York: Pearson Longman Publishers., pp. 40-46.
G. Gallup, (1948) *A guide to public opinion polls* Princeton, Princeton University Press, 1948. Pp. 3-13.

II. Measuring Public Opinion with Surveys: Representation and sampling

G. Kalton, (1983) *Introduction to Survey Sampling* Beverly Hills, Sage Publication. Lokniti Team (2009) 'National Election Study 2009: A Methodological Note', *Economic and Political Weekly*, Vol. XLIV (39)
Lokniti Team, (2004) 'National Election Study 2004', *Economic and Political Weekly*, Vol. XXXIX (51).

'Asking About Numbers: Why and How', *Political Analysis* (2013), Vol. 21(1): 48-69, (first published online November 21, 2012)

III. Survey Research

H. Asher, (2001) 'Chapters 3 and 5', in *Polling and the Public: What Every Citizen Should Know*, Washington DC: Congressional Quarterly Press.

R. Erikson and K. Tedin, (2011) *American Public Opinion*, 8th edition, New York, Pearson Longman Publishers, pp. 40-46.

IV. Quantitative Data Analysis

A. Agresti and B. Finlay, (2009) *Statistical methods for the Social Sciences*, 4th edition, Upper saddle river, NJ: Pearson-Prentice Hall.

S. Kuznetsov, (2011) *Practical 2: Measuring Public Opinion in Public New 2010* (1st)

7. Interviewing

8. Sampling

M. McDermott and K. A. Frankovic, (2007) 'Horseman Polling and Survey Methods Effects: An Analysis of the 2000 Campaign', *Public Opinion Quarterly* 67, pp. 244-264.

Additional Readings:

K. Warren, (2001) 'Chapter 2', in *In Defense of Public Opinion Polling*, Boulder: Westview Press, pp. 45-80.

W. Cochran, (2005) 'Chapter 1', *Sampling Techniques*, John Wiley & Sons.

G. Gallup, (1948) *A Guide to Public Opinion Polls*, Princeton: Princeton University Press, pp. 14-20; 73-75.

D. Rowntree (2000) *Statistics Without Tears: an Introduction for Non Mathematicians*, Harmondsworth: Penguin.

Suggested Student Exercises:

1. Discussion of readings and lecture examples.
2. Groups of students to collect examples of and discuss various sample based statistics across many fields e.g. consumer behavior, unemployment rates, educational standards, elections, structural steel etc.
3. Non-random sampling. The students have to identify one group of people or behavior that is unique or rare and for which somewhat sampling might be useful. They have to identify how they might make the initial contact with this group to start snowball sampling.
4. Give the students the statistical list of names in Florida they provided you. The students have to draw a random sample of a number of respondents.
5. For this activity, working with a partner will be helpful. The class should first divide on a topic of interest. Then each pair should construct a five-item self-report questionnaire. Of the five items, three should be at least one essential response, one optional response and one neutral. After the complete questionnaire is constructed putting together the questions from everyone, working in pairs, the questionnaire should be administered on 10 different individuals.
6. Give the students a questionnaire from any public opinion survey and ask them to identify the type of variables.

SEC: P.sc Pass 501: DEMOCRATIC AWARENESS AND LEGAL LITERACY**Credits: 04****Full Marks: 100**

External (70) Internal (30)		
Units	Topics	Lectures
1	<p>Outline of the Legal system in India</p> <ul style="list-style-type: none"> ➤ System of courts/tribunals and their jurisdiction in India - criminal and civil courts, writ jurisdiction, specialized courts such as juvenile courts, Mahila courts and tribunals. 	
2	<ul style="list-style-type: none"> ➤ Role of the police and executive in criminal law administration. ➤ Alternate dispute mechanisms such as lok adalats, non - formal mechanisms. 	
3	<p>Brief understanding of the Laws applicable in India</p> <ul style="list-style-type: none"> ➤ Constitution - fundamental rights, fundamental duties, other constitutional rights and their manner of enforcement, with emphasis on public interest litigation and the expansion of certain rights under Article 21 of the Constitution. 	
4	<ul style="list-style-type: none"> ➤ Laws relating to criminal jurisdiction - provision relating to filing an FIR, arrest, bail search and seizure and some understanding of the questions of evidence and procedure in Cr. P.C. and related laws, important offences under the Indian Penal Code, offences against women, juvenile justice, prevention of atrocities on Scheduled Castes and Scheduled Tribes. ➤ Laws relating to dowry, sexual harassment and violence against women ➤ Laws relating to consumer rights, Access to Information (RTI) ➤ Laws relating to cyber crimes 	
5	<p>Access to courts and enforcement of rights</p> <ul style="list-style-type: none"> ➤ Understanding of the Functioning of the Legal System ➤ Legal Services Authorities Act and right to legal aid <p>Practical application :</p> <p>What to do if you are arrested ; if you are a consumer with a grievance; if you are avictim of sexual harassment; domestic violence, child abuse, caste, ethnic andreligious discrimination; filing a public interest litigation. How can you challengeadministrative orders that violate rights, judicial and administrative remedies</p> <p>· Using a hypothetical case of (for example) child abuse or sexual harassment or any other violation of a right, preparation of an FIR or writing a complaint addressed to the appropriate authority.</p>	

Essential Readings:

Creating Legal Awareness, edited by Kamala Sankaran and Ujjwal Singh (Delhi: OUP, 2007) Legal literacy: available amongst interdisciplinary courses on Institute of Life Long Learning (Delhi University) Virtual Learning Portal namely vle.du.ac.in

Reading list for course on Legal Literacy

TDC CBCS COURSE STRUCTURE (ENGLISH)

CORE COURSES

- C-1: British Poetry and Drama: 14th to 17th Centuries
- C-2: Indian Writing in English
- C-3: British Poetry and Drama: 17th and 18th Centuries
- C-4: American Literature
- C-5: British Literature: 18th Century
- C-6: European Classical Literature
- C-7: Women's Writing
- C-8: British Romantic Literature
- C-9: British Literature: 19th Century
- C-10: Indian Classical Literature
- C-11: British Literature: The Early 20th Century
- C-12: Modern European Drama
- C-13: Postcolonial Literatures
- C-14: Popular Literature

DISCIPLINE SPECIFIC CORE/GENERIC ELECTIVE

- DSC – 1: British Literature I (The Elizabethan Period to the Eighteenth Century)
- DSC – 2: British Literature II (The Romantics and the Victorians)
- DSC – 3: British Literature III (The Twentieth Century)
- ✓ DSC – 4: Indian English Literature

GENERIC ELECTIVE (501 & 601)

- DSC – 1: British Literature I (The Elizabethan Period to the Eighteenth Century)
- DSC – 2: British Literature II (The Romantics and the Victorians)

DISCIPLINE SPECIFIC ELECTIVE (CORE)

- DSE-1: Modern Indian Writing in English Translation
- DSE-2: British Literature: Post World War II
- DSE-3: Literary Criticism
- DSE-4: World Literatures

DISCIPLINE SPECIFIC ELECTIVE (GENERAL)

- DSE-1: Modern Indian Writing in English Translation
- DSE-2: British Literature: Post World War II

ENGLISH AS A LANGUAGE SUBJECT

- ENGL - I (101)
- ENGL - II (201)

ALTERNATIVE ENGLISH

- Alternative English – I (301)
- Alternative English – II (401)

ABILITY ENHANCEMENT COMPULSORY COURSE

- AECC- 1: English Communication (101)

SKILL ENHANCEMENT COURSE (CORE)

- SEC-1: Creative Writing
- SEC-2: Soft Skills

SKILL ENHANCEMENT COURSE (GENERAL)

- SEC-1: Creative Writing
- SEC-2: Soft Skills
- SEC-3: Business Communication

Five essay type questions taking one from each unit (10x5=50), and
Five short answer type questions taking one from each unit (4x5=20).

DSC – 3/GE - 301

British Literature III (The Twentieth Century)

Unit 1:

1.1. History of the Literature of the Period

Topics: Trends in:

- Modern Poetry
- Modern Drama
- Modern Fiction

Unit 2:

2.1. W. B. Yeats: 'The Second Coming'

2.2. Thomas Stearns Eliot: 'Preludes'

Unit 3:

3.1. Wystan Hugh Auden: 'The Unknown Citizen'

3.2. Philip Larkin: 'Church Going'

Unit 4:

4.1. William Golding: *Lord of the Flies*.

Unit 5:

5.1. Drama: John Osborne: *Look Back in Anger*

Prescribed Text

Ronald Carter and John McRae, *The Routledge History of Literature in English: Britain and Ireland*, 2nd edition, Routledge, London, 2001 (Special Indian Edition).

Scheme of Examination:

The DSC Course will be of 100 marks.

Internal Examination: 30 marks.

End Semester Examination: 70 marks.

End Semester Examination (70 marks):

Five essay type questions taking one from each unit (10x5=50), and

Five short answer type questions taking one from each unit (4x5=20).

DSC – 4/GE - 401

Indian English Literature

Selections from *Modern Indian Literature* ed. Dept. of English /Living Literatures ed. Macmillan

Unit 1:

1.1. Toru Dutt: 'Our Casuarina Tree'

1.2. Nissim Ezekiel: 'Marriage'; 'Enterprise'

Unit 2:

2.1. Jayanta Mahapatra: 'Ash'; 'Freedom'

2.2. Kamala Das: 'The Dance of the Eunuchs'.

Unit 3:

3.1. Premchand: 'The Holy Panchayat'

3.2. R.K. Narayan: 'The M.C.C.'

Unit 4:

4.1. Mulk Raj Anand: *Two Leaves and a Bud*

Unit 5:

1.1. Mahesh Dattani: *Tara*

**Prescribed Text for Poetry: 'Symphony': Published by Cambridge University Press, Edited by:
Forum for English Studies, Department of English, Assam University, Silchar**

Scheme of Examination:

The DSC Course will be of 100 marks.

Internal Examination: 30 marks.

End Semester Examination: 70 marks.

End Semester Examination (70 marks):

Five essay type questions taking one from each unit (10x5=50), and

DSE-BENGALI-4 (BNG-DSE-602)

রবীন্দ্র পরবর্তী বাংলা কবিতা

UNIT-I	:	সুভাষ মুখোপাধ্যায় : শ্রেষ্ঠ কবিতা
UNIT-II	:	বীরেন্দ্র চট্টোপাধ্যায় : শ্রেষ্ঠ কবিতা
UNIT-III	:	শক্তিপদ ব্রহ্মচারী : শ্রেষ্ঠ কবিতা
UNIT-IV	:	শক্তি চট্টোপাধ্যায় : শ্রেষ্ঠ কবিতা
UNIT-V	:	কবিতা সিংহ : শ্রেষ্ঠ কবিতা

সহায়ক গ্রন্থাবলি

১. আধুনিক কবিতার দিগ্বলয় : অশ্রুকুমার শিকদার, অরুণা প্রকাশনী, কলকাতা
২. বাংলা কবিতার কালান্তর : সরোজ বন্দ্যোপাধ্যায়, দে'জ পাবলিশিং, কলকাতা
৩. কবিতার মুখোমুখি : উজ্জ্বলকুমার মজুমদার, এবং মুশায়েরা, কলকাতা
৪. কবির কথা, কবিতার কথা : অশ্রুকুমার শিকদার, সিগনেট প্রেস, কলকাতা
৫. শক্তির পদ্য, পদ্যের শক্তি : অহনা বিশ্বাস, অমৃতলোক সাহিত্য পরিষদ, কলকাতা
৬. কবিতার রূপান্তর : তপোধীর ভট্টাচার্য, সাহিত্যলোক, কলকাতা
৭. বাংলা কবিতা : মেজাজ ও মনোবীজ : জহর সেন মজুমদার, পুস্তক বিপণি, কলকাতা
৮. কবিতার নন্দন ও সময় : তপোধীর ভট্টাচার্য, বঙ্গীয় সাহিত্য সংসদ, কলকাতা
৯. সুভাষ মুখোপাধ্যায় : জীবন ও সাহিত্য : সন্দীপ দত্ত (সম্পাদিত),
১০. কবিতার রহস্যারণ্যে : অর্ণব সেন, দিসী বুক এজেন্সি, কলকাতা
১১. মৃত্যুর পরেও যেন হেঁটে যেতে পারি : কুন্তল চট্টোপাধ্যায়

BENGALI CORE-7 (BNG-HCC-303)

বাংলা আত্মকথা ও প্রবন্ধ

✓ UNIT-I	:	রাসসুন্দরী দাসী : আমার জীবন
UNIT-II	:	অবনীন্দ্রনাথ ঠাকুর : আপন কথা
UNIT-III	:	প্রমথ চৌধুরী : প্রবন্ধ সংগ্রহ (ভারতচন্দ্র, বইপড়া, কাব্যে অশ্লীলতা : আলংকারিক মত, সাহিত্যে খেলা)
UNIT-IV	:	অলোক রায়, পবিত্র সরকার, অত্র ঘোষ (সম্পাদ): দুশো বছরের বাংলা প্রবন্ধ সাহিত্য নির্বাচিত প্রবন্ধ : শিল্পকলার কথা (নলিনী গুপ্ত) বই কেনা (সৈয়দ মুজতবা আলী) মধুসূদনের রাজসিকতা (কালিদাস রায়) সংস্কৃতির স্বরূপ (শ্রীকুমার বন্দ্যোপাধ্যায়)
✓ UNIT-V	:	বেগম রোকেয়া : অবরোধবাসিনী

সহায়ক গ্রন্থাবলি :

১. নারী প্রগতির একশ বছর : রোকেয়া থেকে রাসসুন্দরী : গোলাম মুর্শিদ
২. আত্মজীবনীর স্থাপত্য : দুর্বা দেব, বঙ্গীয় সাহিত্য সংসদ, কলকাতা
৩. বাংলা সাহিত্যে আত্মজীবনী : সোমেন্দ্রনাথ বসু, টেগোর রিসার্চ
৪. আধুনিক বাংলা প্রবন্ধ সাহিত্যের ধারা (১ম, ২য় খণ্ড) : অধীর কুমার দে, উজ্জ্বল, কলকাতা
৫. বাংলা সাহিত্যে সমালোচনার ধারা : সুদীপ বসু, পুস্তক বিপণি, কলকাতা
৬. প্রবন্ধ সমীক্ষা : সোহরাব হোসেন, করুণা প্রকাশনী, কলকাতা
৭. বাংলা সাহিত্যে প্রমথ চৌধুরী : রথীন্দ্রনাথ রায়
৮. বীরবল ও বাংলা সাহিত্য : অরুণকুমার মুখোপাধ্যায়, দে'জ পাবলিশিং, কলকাতা
৯. অবনীন্দ্রনাথ : অনির্বাণ রায়, প্যাপিরাস, কলকাতা
১০. অবন সাহিত্যের উৎসধারায় : ঝাঙ্কি দাশগুপ্ত, প্রয়াস প্রকাশন, কলকাতা
১১. অবনীন্দ্রনাথ : লীলা মজুমদার, বিশ্বভারতী

BENGALI CORE-14 (BNG-HCC-602(A)) বিশেষপত্র (ঐচ্ছিক)

(ক) সাহিত্যতত্ত্ব ও সমালোচনা (বিশেষপত্র)

UNIT-I	:	এরিস্টটল : পোয়েটিক্স : ট্রাজেডি, মহাকাব্য
UNIT-II	:	রোম্যান্টিসিজম, ক্লাসিসিজম,
UNIT-III	:	মডার্নিজম, ফেমিনিজম
UNIT-IV	:	রবীন্দ্রনাথ : আধুনিক সাহিত্য (বিহারীলাল, রাজসিংহ, সঞ্জীবচন্দ্র, বঙ্কিমচন্দ্র)
UNIT-V	:	বুদ্ধদেব বসু : সাহিত্যচর্চা (বাংলা শিশুসাহিত্য, রবীন্দ্রনাথ ও উত্তর সাধক, মাইকেল, রামায়ণ)

সহায়ক গ্রন্থাবলি :

১. কাব্যতত্ত্ব : এরিস্টটল : শিশিরকুমার দাস, প্যাপিরাস, কলকাতা
২. এরিস্টটলের পোয়েটিক্স ও সাহিত্যতত্ত্ব : সাধনকুমার ভট্টাচার্য, দে'জ পাবলিশিং, কলকাতা
৩. এরিস্টটলের পোয়েটিক্স : তত্ত্ব ও ব্যাখ্যা : সুধাংশু শেখর তুঙ্গ, বামা প্রকাশনী, কলকাতা
৪. এরিস্টটলের কাব্যতত্ত্ব সমীক্ষা : দুর্গাশঙ্কর মুখোপাধ্যায়, করুণা প্রকাশনী, কলকাতা
৫. প্রতীচ্যের সাহিত্যতত্ত্ব : তপোধীর ভট্টাচার্য, দে'জ পাবলিশিং, কলকাতা
৬. রোম্যান্টিকতা ও বাংলা কাব্যে রোম্যান্টিকতার বিবর্তন : ভানুভূষণ জানা, রবীন্দ্রভারতী বিশ্ববিদ্যালয়, কলকাতা
৭. সাহিত্য বিচার : তত্ত্ব ও প্রয়োগ, দে'জ পাবলিশিং, কলকাতা
৮. আধুনিকতা : পর্ব থেকে পর্বান্তর : তপোধীর ভট্টাচার্য, পুস্তক বিপণি, কলকাতা
৯. আধুনিক বাংলা প্রবন্ধ সাহিত্যের ধারা (১ম, ২য় খণ্ড) : অধীর কুমার দে, উজ্জ্বল সাহিত্য মন্দির, কলকাতা
১০. সাহিত্যজিজ্ঞাসায় রবীন্দ্রনাথ : অসিতকুমার বন্দ্যোপাধ্যায়, করুণা প্রকাশনী, কলকাতা
১১. রবীন্দ্র মনীষা : অরুণকুমার মুখোপাধ্যায়, দে'জ পাবলিশিং, কলকাতা
১২. বুদ্ধদেব বসু : কাল থেকে কালান্তরে : বেলা দাস, বিশ্বতোষ চৌধুরী (সম্পা), পুনশ্চ, কলকাতা
১৩. সাহিত্য বিবেক : বিমলকুমার মুখোপাধ্যায়, দে'জ পাবলিশিং, কলকাতা

ASSAM UNIVERSITY: SILCHAR
ENVIRONMENTAL STUDIES (AECC2)

(One-Semester Compulsory Core Module for Undergraduate Programmes)

UNIT 1: Introduction to Environmental Studies and Ecosystems (8 lectures)

- Definition, scope and importance of environmental studies; Multidisciplinary nature of environmental studies; Need for public awareness.
- Concept of ecosystem; Producers, consumers and decomposers; Energy flow in an ecosystem; Food chains and food webs; Ecological pyramids; Ecological succession.
- Nutrient cycles (Carbon cycle and nitrogen cycle).
- Major ecosystems: Forest ecosystem, Grassland ecosystem, Desert ecosystem and Aquatic ecosystem (pond, lake, river and ocean).

UNIT 2: Natural Resources: Renewable and Non-renewable Resources (8 lectures)

- Land Resources: Land change, land degradation, soil erosion and desertification.
- Forest Resources: Effects of deforestation due to timber-logging, shifting cultivation, mining and dams on forests and tribal populations.
- Water Resources: Use and over-exploitation of surface and ground water, floods, droughts, conflicts over water (inter-state and international).
- Energy Resources: Renewable and non-renewable energy resources; use and importance of alternative energy resources.

UNIT 3: Biodiversity and conservation (8 lectures)

- Definition, levels of biodiversity (genetic, species and ecosystem diversity); Biogeographic zones of India; Biodiversity patterns and global biodiversity hot spots.
- Biodiversity of India: India as a mega-biodiversity nation; Endangered and endemic biodiversity of India with special reference to North East India.
- Threats to Biodiversity: Habitats loss, poaching of wildlife, man-wildlife conflicts in Indian context, biological invasions.
- Conservation of Biodiversity: *In-situ* and *ex-situ* conservation of biodiversity.

UNIT 4: Environmental pollution, Environmental Policies and Practices (8 lectures)

- Environmental pollution: Types (Air, water, soil and noise pollution), causes, effects and controls.
- Solid waste management: Control measures of urban and industrial waste; Nuclear hazards and human health risks.
- Climate change, global warming, ozone layer depletion, acid rain and impact on human communities and agriculture.
- Environment Laws: Environment Protection Act; Air (Prevention and control of pollution) Act; Water (Prevention and control of pollution); Wildlife Protection Act; Forest Conservation Act.
- Nature reserves, Sustainability and sustainable development; tribal population and right.

18. Singh, J. S., Singh, S. P. and Gupta, S. R. (2006): Ecology, Environment and Resource Ecology, Environment and Resource Conservation. Anamaya Publishers.
19. Sodhi, N. S., Gibson, L. and Raven, P. HG. (eds).(2013): Conservation biology: voices from the Tropics. John Wiley and Sons.
20. Van Leeuwen, C. J. and Vermeire, T. G. (2007): Risk assessment of Chemicals.
21. World Commission on Environment and Development. (1987): Our Common Future. Oxford. Oxford University Press.

Semester V
Discipline Specific Elective I

One of the following:

DSE 1: Economic Development and Policy in India-I

Course Description

This course reviews major trends in aggregate economic indicators in India and places these against the backdrop of major policy debates in India in the post- Independence period.

Course Outline

1. Issues in Growth, Development and Sustainability

Development initiative and growth in India since independence.

2. Factors in Development

Capital formation (Physical and Human); technology; institutions.

3. Population and Economic Development

Demographic trends; rural-urban composition, demographic dividend

4. Employment

Occupational structure in the organised and the unorganised sectors; open , under and disguised unemployment (rural and urban); employment schemes and their impact.

5. Indian Development Experience

Critical evaluation of growth, inequality, poverty and competitiveness, pre and post reforms era; savings and investment; mobilisation of internal and external finance; monetary and fiscal policies; centre-state financial relations.

Readings:

1. Michael P Todaro and Stephen Smith. *Economic Development*, Pearson, 11th edition (2011).
2. Uma Kapila, *Indian Economy since Independence*, Academic Foundation, 19th edition (2009).
3. United Nations Development Programme, *Human Development Report 2010*, Palgrave Macmillan (2010).
4. . Government of India, *Economic Survey* (latest)
5. Government of India, *Five Year Plan* (latest)
6. Government of India, *Finance Commission Report* (latest)