

COMPULSORY

ABILITY ENHANCEMENT COMPULSORY COURSES (AECC)
(For all Subjects)

SEMESTER-I

AECC-1: MIL (ODIA) SCIENCE
(For all Science students)

ବିଜ୍ଞାପନ କଳା ଓ ଭାଷା ସାହିତ୍ୟ

- ଯୁନିଟ୍ – ୧ : ବିଜ୍ଞାପନର ପରିଭାଷା, ପରିସର, ପ୍ରକାର୍ଯ୍ୟ
ଯୁନିଟ୍ – ୨ : ବିଜ୍ଞାପନର କଳାତ୍ମକ ଉଦ୍ଦେଶ୍ୟ
ଯୁନିଟ୍ – ୩ : ବିଜ୍ଞାପନର ପ୍ରକାର ଓ ପ୍ରସ୍ତୁତି
ଯୁନିଟ୍ – ୪ : ଲୋକସଂପର୍କ – ବିଜ୍ଞାପନ ଓ ବିଜ୍ଞାପନର ଭାଷା
ଯୁନିଟ୍ – ୫ : ବିଜ୍ଞାପନ କଳା ଓ ସାହିତ୍ୟ

SEMESTER-I**AECC-1: MIL (ALTERNATIVE ENGLISH)**
(For all Science students)**Objective :**

This course is focused on developing communicative competence in English with knowledge of the building blocks of grammar, usage and vocabulary. Core competencies in reading and thinking are sought to be encouraged through suitable reading content in prose form. Similarly writing activities and language exercises are provided to facilitate absorption of the rules of syntax and etiquettes of style.

Unit-I : Short Story

- Jim Corbett – The Fight between Leopards
- Dash Benhur – The Bicycle
- Dinanath Pathy – George V High School
- Alexander Baron – The Man who knew too much
- Will F Jenkins – Uneasy Homecoming.

Unit-II : Prose

- C.V. Raman – Water – The Elixir of Life
- Harold Nicolson – An Educated Person
- Claire Needell Hollander – No Learning without Feeling
- Steven Harvey – The Empty Page
- Santosh Desai – Emoji Disruption.

Unit-III : Comprehension of a passage from any of the prescribed pieces and answering the questions.

Unit-IV : Expanding an idea into a paragraph & writing an essay in 300 words.

Unit-V : Language exercises test of vocabulary, usage and grammar based on the prescribed pieces.

Distribution of marks :**Midterm test: 20 marks**

Unit-I	: a) 01 long question (1x14) with alternatives	=	14 marks
	b) 02 short questions (2 x3) with alternatives	=	06 marks

Total: 20 marks

Final Examination: 80 marks

Unit-II	: a) 01 long question (1x14) with alternatives	=	14 marks
	b) 02 short questions (2 x3) with alternatives	=	06 marks
Unit-III	: a) 05 short questions (5x4) with alternatives	=	20 marks
Unit-IV	: a) Paragraph writing (1x10) with alternatives	=	10 marks
	b) Essay writing (1x10) with alternatives	=	10 marks
Unit-V	: a) Vocabulary (1x8)	=	08 marks
	Idioms & Phrases synonyms & antonyms		
	Using same words as nouns & verbs		
	b) Grammar (1x12)	=	12 marks
	Suitable use of verb in a context, voice change, preposition, conditional sentence, direct and indirect speech, correct the sentence.		

Total: = 80 marks

SEMESTER-II

AECC-2 : ENVIRONMENTAL STUDIES

UNIT-I

The Environment: The Atmosphere, Hydrosphere, Lithosphere, Biosphere, Ecology, Ecosystem, Biogeochemical Cycle (Carbon Cycle, Nitrogen Cycle).

UNIT-II

Environment Pollution: Air Pollution, Water Pollution, Soil Pollution, Noise Pollution, Thermal Pollution, Radiation Pollution, Natural Disasters and their Management.

UNIT-III

Population Ecology: Individuals, Species, Population, Community, Control Methods of Population, Urbanization and its effects on Society, Communicable Diseases and its Transmission, Non-Communicable Diseases.

UNIT-IV

Environmental Movements in India: Grassroot Environmental movements in India, Role of women, Environmental Movements in Odisha, State Pollution Control Board, Central Pollution Control Board.

UNIT-V

Natural Resources: Conservation of Natural Resources, Management and Conservation of Wildlife, Soil Erosion and Conservation, Environmental Laws: Water Act, 1974, Air Act, 1981, The Wildlife (Protection) Act, 1972, Environment Protection, 1986.

SKILL ENHANCEMENT COMPULSORY COURSE

SEMESTER-III

SEC 1: SKILL ENHANCEMENT COMPULSORY COURSE (For all Science Hons)

Paper: 1 Marks: 100 Credits: 04

The purpose of this course is twofold: to train students in communication skills and to help develop in them a facility for communicative English.

Since language it is which binds society together and serves as a crucial medium of interaction as well as interchange of ideas and thoughts, it is important that students develop a capacity for clear and effective communication, spoken and written, at a relatively young age. The need has become even more urgent in an era of globalization and the increasing social and cultural diversity that comes with it.

English, being a global language par excellence, it is important that any course in communication is tied to an English proficiency programme. The present course will seek to create academic and social English competencies in speaking, listening, arguing, enunciation, reading, writing and interpreting, grammar and usage, vocabulary, syntax, and rhetorical patterns.

Students, at the end of the course, should be able to unlock the communicator in them by using English appropriately and with confidence for further studies or in professional spheres where English is the indispensable tool of communication.

Unit-1 :

[20]

Introduction

1. What is communication?
2. Types of communication
 - Horizontal
 - Vertical
 - Interpersonal
 - Grapevine
3. Uses of Communication

Prescribed Reading: Chapter 1 *Applying Communication Theory for Professional Life: A Practical Introduction* by Dainton and Zelle

<http://tsime.uz.ac.zw/claroline/backends/download.php?url=L0ludHJvX3RvX2NvbW11bmljYXRpb25fVGh1b3J5L nBkZg%3D%3D&cidReset=true&cidReq=MBA563>

Unit-2: Language of Communication

[20]

1. Verbal: spoken and written

2. Non-verbal
 - Proxemics
 - Kinesics
 - Haptics
 - Chronemics
 - Paralinguistics
3. Barriers to communication
4. Communicative English

Unit-3 : Reading Comprehension

[20]

- Locate and remember the most important points in the reading
- Interpret and evaluate events, ideas, and information
- Read “between the lines” to understand underlying meanings
- Connect information to what they already know

Unit-4: Writing

[20]

- Expanding an Idea
- Note Making
- Information Transfer
- Writing a Memo
- Writing Formal Email
- Writing a Business Letter
- Letters to the Editor
- CV & Resume Writing
- Covering Letter
- Report Writing
- News Story
- Interviewing for news papers

(The above-mentioned writing activities are covered in the prescribed textbook *Vistas and Visions*)

Unit 5: Language functions in listening and conversation

[20]

- Discussion on a given topic in pairs
- Speaking on a given topic individually
- Group Discussion
- Interview
- Dialogue

(Practice to be given using the set pieces from the prescribed textbook *Vistas and Visions*)

Grammar and Usage

- Phrasal Verbs

- Collocation
- Using Modals
- Use of Prepositions
- Common Errors in English Usage

(The above-mentioned grammar items are covered in the textbook *Vistas and Visions*)

Examination pattern

Each reading and writing question will invite a 200 word response.

Midterm test

[20 marks]

Unit 1 (preferably short questions on types and uses of communication)

Total	20 marks
Final Semester Examination	
Unit 2 One long question with choice	01x 10 qns= 10 marks
Two short notes with choice	02x 05 qns= 10 marks
Reading: 04 questions meant to test the given	
Unit 3 reading skills prescribed under unit 3	04 x 05 qns= 20 marks
(2 prose and 2 poetry questions)	
Unit 4 Writing: 02 questions	02x 10 qns = 20 marks
Unit 5 Grammar & Usage	02x10 qns = 20 marks
Total	= 80 marks

Grammar questions must be set in contexts; not as isolated sentences as used for practice in the prescribed textbook.

Texts to be studied : (The following texts are available in the book *vistas and Visions* : An Anthology of prose and poetry).

Prose

- The Gold Frame
- Lifestyle English
- Need for Excellence
- Ecology and Community
- My Lost Dollar

Poetry

- The Darkling Thrush
- The Felling of the Banyan Tree
- Another Woman
- Meeting Poets

All grammar and writing activities in the textbook *Vistas and Visions*

Recommended Reading:

1. *Vistas and Visions: An Anthology of Prose and Poetry*. (Ed.) Kalyani Samantray, Himansu S. Mohapatra, Jatindra K. Nayak, Gopa Ranjan Mishra, Arun Kumar Mohanty. OBS
2. *Fluency in English – Part II*, OUP, 2006
3. *Business English*, Pearson, 2008
4. *Communicative English*. E. Suresh Kumar and P. Sreehari
5. *Language, Literature and Creativity*, Orient BlackSwan, 2013
6. *Language through Literature*. (forthcoming) ed. Gauri Mishra, Dr. Ranajan Kaul, Dr. Brati Biswas