

Enclosure-I**SCHEME OF INSTRUCTION AND EXAMINATIONS
For Students Admitted from A.Y. 2016-2017 & Onwards**

Course Code	Title of Course	Hrs. of Instruction/ week	Exam Duration (Hrs.)	Maximum Marks			Credits
				CIA	SEE	Total	
Semester I							
PART - 1: Language							
U16EN101	Functional English-I	3	3	40	60	100	3
Semester II							
PART - 1: Language							
U16EN102	Functional English-II	3	3	40	60	100	3
Semester III							
PART - 1: Language							
U16EN201	Advanced English Language -I	3	3	40	60	100	3
Semester IV							
PART - 1: Language							
U16EN202	Advanced English Language -II	3	3	40	60	100	3

Semester – I

U16EN101	Functional English-I	3 hrs/wk	3 Credits
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Objectives:

The course is designed to accomplish the following goals:

1. To develop the ability to comprehend a text related to science, leading to cultivation of the reading habit.
2. To enhance the ability to write on the role and function of science.
3. To hone their presentation skills regarding their ideas on science and effectively participate in discussions and debates.

Unit 1 Introduction to Reading Skill

- Interpreting a written text.
- Reading techniques.
- Reading informative and analytical texts.
- Understanding viewpoints and opinions expressed in a text.

Unit 2 Reading Comprehension

- Reading Passages Related to Science.
- Studying the Effective Use of Grammar (Sentence Construction, Parts of Speech, Phrasal Verbs, Modal Auxiliaries).
- Studying Technical and Non-Technical Vocabulary
- Summarising and Paraphrasing the Passages

Unit 3 Short Story: *August 2026: There Will Come Soft Rains* by Ray Bradbury

Unit 4 Short Story: *The Deadly Mission of Phineas Snodgrass* by Frederik Pohl

Unit 5 Short Story: *Harrison Bergeron* by Kurt Vonnegut, Jr.

Text Books :

- *August 2026: There Will Come Soft Rains* by Ray Bradbury
- *Harrison Bergeron* by Kurt Vonnegut, Jr.
- *The Deadly Mission of Phineas Snodgrass* by Frederik Pohl from **100 Great Science Fiction Short Stories**, edited by Isaac Asimov
- *Oxford Guide to English Grammar* by John Eastwood (Oxford)

Semester – II

U16EN101	Functional English – II	3 hrs/wk	3 Credits
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Objectives:

1. To introduce students to the ideas of eminent personalities in the field of science and technology and orient them towards the key questions regarding the nature and functions of science.
2. To develop the ability to express their ideas regarding the various fields of study in science in written and spoken form.
3. To equip them with the ability to think about science in an appropriate way and articulate their ideas accordingly.

Unit 1: Introduction to Writing Skill

- Writing Skill: An Overview.
- Types of Academic Writing.
- Using Resources for Academic Writing (reference books, journals, internet, etc).
- Avoiding Common Errors in Writing.

Unit 2: Writing for Academic Purposes

- Writing for Academic Purposes (Assignments, Projects, Essays, Articles).
- Organising Ideas and Developing Paragraphs.
- Cohesion and Accuracy (Prepositions, Tenses, Types of Sentences, Linking Words, Subject Verb Agreement).
- Correct English Usage (Words, Phrases and Sentences).

Unit 3: N.R. Narayana Murthy's Convocation Address at IISc.

Unit 4: Manjul Bhargava's Interview.

Unit 5: R.A. Mashelkar's Interview.

Text Books and Hyperlinks:

- <http://scroll.in/article/741723/full-text-narayana-murthy-questions-the-contribution-of-iits-and-iisc-in-the-last-60-years>
- <http://timesofindia.indiatimes.com/home/sunday-times/deep-focus/Math-teaching-in-India-is-robotic-make-it-creative-Manjul-Bhargava/articleshow/40321279.cms>
- <http://www.goodnewsindia.com/Pages/content/inspirational/mashelkar.html>
- *Oxford Practice Grammar with Answers* by John Eastwood (Oxford)

