

Faculty of Engineering and Technology
Datta Meghe Institute of Higher Education and Research
(Deemed to be University)



NAAC Re-accredited Grade "A+"

Curriculum of General Aptitude
for AIPHDCET under DMIHER (DU)

Content:

Curriculum of **General Aptitude** for AIPHDCET, DMIHER (DU)

S. N.	Title
1	Verbal Aptitude, Quantitative Aptitude, Analytical Aptitude and Spatial Aptitude

Detailed Content

(Weightage = 15 %)

Verbal Aptitude:

Basic English grammar: tenses, articles, adjectives, prepositions, conjunctions, verb-noun agreement, and other parts of speech Basic vocabulary: words, idioms, and phrases in context reading and comprehension narrative sequencing.

Quantitative Aptitude:

Data interpretation: data graphs (bar graphs, pie charts, and other graphs representing data) and 3-dimensional plots, maps, and tables.

Numerical computation and estimation: ratios, percentages, powers, exponents and logarithms, permutations and combinations, and series Mensuration and geometry Elementary statistics and probability.

Analytical Aptitude:

Logic: deduction and induction, Analogy, Numerical relations and reasoning.

Spatial Aptitude:

Transformation of shapes: translation, rotation, scaling, mirroring, assembling, and grouping paper folding, cutting, and patterns in 2 and 3 dimensions.

References:

1. Dr. R.S. Aggarwal, *A modern Approach to Logical Reasoning* S. Chand Publisher, 2018
2. P.N. Arora and S. Arora, *Quantitative Aptitude Mathematics*, S. Chand India Publication.
3. Dr. R.S. Aggarwal, *A modern Approach to Verbal and Nonverbal Reasoning* S. Chand Publisher, 2018
4. Abhijit Guha, *Quantitative Aptitude for All Competitive Examinations*, McGraw Hill Publication.
5. Dr. R.S. Aggarwal, *Quantitative Aptitude* S. Chand, 2013

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**Curriculum of Communication Skill for AIPHDCET
under DMIHER (DU)**
(Theme based)

Content:

Curriculum of **Communication Skill** for AIPHCET, DMIHER (DU)

Theme	Title
1	Theory of Communication
2	Language of Communication
3	Speaking Skills
4	Reading and Understanding
5	Writing Skills

Detailed Content

Theme1: Theory of Communication (Weightage = 17 %)
Theory of Communication, Types and modes of Communication

Theme 2: Language of Communication (Weightage = 17 %)
Verbal and Non-verbal, (Spoken and Written), Personal, Social and Business, Barriers and Strategies, Intra Personal, Inter Personal and Group Communication

Theme 3: Speaking Skills (Weightage = 17%)
Monologue, Dialogue, Group Discussion, Effective Communication/ Mis- Communication, Interview, Public Speech

Theme 4: Reading and Understanding (Weightage = 17 %)
Close Reading, Comprehension, Summary Paraphrasing, Analysis and Interpretation, Translation (from Indian language to English and vice-versa), Literary/Knowledge Texts

Theme 5: Writing Skills (Weightage =17%)
Documenting, Report Writing, Making notes, Letter Writing

References:

1. Mishra Gauri, Kaul Ranjana, and Biswas Brati. *Language through Literature* (forthcoming) ed. Primus Books, New Delhi
2. Fluency in English Part II *Oxford University Press*, 2006
3. Pearson. *Business English*, 2008.
4. Language Literature and Creativity, Editorial Board, *Orient Black Swan*, 2013.
5. Developing Language Skills-2 Ed. S.C. Sood et al. *Spantech*, Delhi 1992.
6. Foundation English, Book II and III, *Edited by Tara Chadha and Others, Publication Division*, Delhi University.
7. Developing Language Skills-1 Ed. S.C. Sood et al. *Spantech*, Delhi 1991