



Sipna College of Engineering & Technology, Amravati
(An Autonomous Institution affiliated to Sant Gadge Baba Amravati University, Amravati)
(Accredited with 'A+' Grade by NAAC)

www.sipnaengg.ac.in

Program:	B. Tech. (All Branches)			Semester:			III	
Course:	Quantitative Aptitude			Code:			BTALOE11SH3T	
Teaching Scheme				Evaluation Scheme				
Lecture	Tutorial	Hours	Credit	TA	MSE-I	MSE-II	ESE	Total
2	-	2	2	10	15	15	60	100
Methods of Teacher Assessment (TA): Assignments, Quiz								
Course Objectives: To develop Mathematical & analytical skills, enhancing problem-solving abilities, & improving performance in competitive exams & aptitude tests.								
Course Outcomes: After completion of the course, the students will be able to:								
CO	Course Outcomes							BT Level
CO-1	Interpret and analyze data from tables, pie charts, bar graphs, and line charts, and solve problems involving percentage and profit & loss.							L3
CO-2	Apply quantitative technique to solve problems on distance, speed & time, work & time, and averages in real-life and competitive contexts.							L3
CO-3	Analyze and solve problems related to calendars, ratio & proportion, and number systems using analytical reasoning.							L4
CO-4	Solve logical reasoning problems involving relations, directions, age problems, and coding-decoding.							L4

Unit I: Reasoning & Quantitative Ability: (6 Hrs.)
Data Interpretation (Table Chart, Pie Chart, Graph Bar, Line Chart), Percentage, Profit & Loss

Unit II: Quantitative Ability: Distance, Speed & Time, Work & Time, Average (6 Hrs.)

Unit III: Analytical reasoning: Calendar, Ratio & Proportion, Number System (6 Hrs.)

Unit IV: Logical Reasoning: Relation, Direction, ages, Coding-Decoding (6 Hrs.)

Total: 24 Hours

Textbooks:

- Quantitative Aptitude by R. S. Aggarwal, S. Chand Publications.
- Quantitative Aptitude for Competitive Examinations by Abhijit Guha, TMH.

Reference Books:

- Quantitative Aptitude by Arun Sharma, TMH.

MOOC Links:

- [General-Aptitude.pdf](#)
- [Aptitude Questions and Answers for Engineering Students \[Solved\]](#)
- [Aptitude Questions and Answers - IndiaBIX](#)
- [Aptitude for Placements - GeeksforGeeks](#)

Approved in.....*h*

Programme Scheme of Examination (SOL) and Syllabus V 1.1

Academic Council Meeting

Dated: ...30/03/2024



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Program:	B. Tech. (All Branches)			Semester:			III	
Course:	Basic German Language (Part I)			Code:			BTALOE37SH3T	
Teaching Scheme				Evaluation Scheme				
Lecture	Tutorial	Hours	Credit	TA	MSE-I	MSE-II	ESE	Total
2	-	2	2	10	15	15	60	100
Methods of Teacher Assessment (TA): Assignments, Quiz, Class Activity & Attendance								
Course Objectives: To enable students to acquire basic proficiency in German and use the language in simple everyday and academic situations.								
Course Outcomes: After completion of the course, the students will be able to:								
CO	Course Outcomes							BT Level
CO-1	Understand and use basic German pronunciation, greetings, and common expressions.							L2
CO-2	Introduce themselves and exchange personal information in German.							L3
CO-3	Use basic grammar and vocabulary to talk about daily life and routine.							L3
CO-4	Read short texts and write simple sentences, messages and forms in German,							L4

Semester III: Basic German Language (Part I)

Unit I: Introduction to German

(10 Hrs.)

German alphabet & pronunciation, greetings & common expressions, numbers & time, basic classroom vocabulary.

Unit II: Core Grammar Concepts

(10 Hrs.)

Noun gender & articles, Personal pronouns, Verb conjugation, Sentence word order, Imperative sentences, Formation of questions and negation.

Unit III: Personal & Daily Communication:

(4 Hrs.)

Self-Introduction, Daily routine, Simple conversations.

Total: 24 Hours

Textbooks:

1. Netzwerk neu A1 – Kursbuch & Arbeitsbuch, Klett Verlag

Reference Books:

1. Deutsch – Aber Hallo! Grammatikübungen A1, Hanz Witzlinger

(Signature)

Approved in.....*Hth*.....
Academic Council Meeting

Dated:.....*30/03/2026*.....



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Program:	B. Tech. (All Branches)			Semester:			IV	
Course:	Basic German Language (Part II)			Code:			BTALOE38SH4T	
Teaching Scheme				Evaluation Scheme				
Lecture	Tutorial	Hours	Credit	TA	MSE-I	MSE-II	ESE	Total
2	-	2	2	10	15	15	60	100
Methods of Teacher Assessment (TA): Assignments, Quiz, Class Activity & Attendance								
Course Objectives: To enable students to acquire basic proficiency in German and use the language in simple everyday and academic situations.								
Course Outcomes: After completion of the course, the students will be able to:								
CO	Course Outcomes							BT Level
CO-1	Understand and use basic German pronunciation, greetings, and common expressions.							L2
CO-2	Introduce themselves and exchange personal information in German.							L3
CO-3	Use basic grammar and vocabulary to talk about daily life and routine.							L3
CO-4	Read short texts and write simple sentences, messages and forms in German,							L4

Semester IV: Basic German Language (Part II)

Unit IV: Applied Grammar & Language Structures

(8 Hrs.)

Application of core grammar concepts including verb usage in present tense, modal verbs, sentence formation, negation, question patterns, and use of articles in simple communicative contexts.

Unit V: Functional Communication Skills

(8 Hrs.)

Use of German language in everyday life and participating in short situational conversations.

Unit VI: Reading and Writing

(8 Hrs.)

Reading short dialogues, writing simple sentences, messages and emails.

Total: 24 Hours

Textbooks:

1. Netzwerk neu A1 – Kursbuch & Arbeitsbuch, Klett Verlag

Reference Books:

1. Deutsch – Aber Hallo! Grammatikübungen A1, Hanz Witzlinger

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Academic Council Meeting

Date: 30/3/2026