



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

(6 Hrs.)

German alphabet & pronunciation, Greetings & common expressions, Basic classroom vocabulary.

Unit II: Numbers, Time and Basic Grammar

(6 Hrs.)

Numbers and time, Noun gender and articles, Personal pronouns, Verb conjugation.

Unit III: Sentence formation & Communication:

(6 Hrs.)

Sentence word order, Imperative sentences, Formation of questions and negation, Self-Introduction.

Unit IV: Personal & Daily Communication

(6 Hrs.)

Daily routine and Simple conversations.

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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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 V: Applied Grammar – Verb Usage & Formation

(6 Hrs.)

Application of core grammar concepts, Verb usage in present tense, Modal verbs, Sentence formation.

Unit VI: Applied Grammar – Negation, Questions and Articles

(6 Hrs.)

Negation, Question patterns, Use of articles in cases, Application of grammar concepts in simple communicative concepts.

Unit VII: Functional Communication Skills

(6 Hrs.)

Use of German language in everyday life, Participating in short situational conversations.

Unit VIII: Reading and Writing Skills

(6 Hrs.)

Reading short dialogues, Writing 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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