



**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](http://www.sipnaengg.ac.in)

<b>Program:</b> B. Tech. (All Branches)				<b>Semester:</b> III				
<b>Course:</b> Quantitative Aptitude				<b>Code:</b> BTALOE11SH3T				
<b>Teaching Scheme</b>				<b>Evaluation Scheme</b>				
<b>Lecture</b>	<b>Tutorial</b>	<b>Hours</b>	<b>Credit</b>	<b>TA</b>	<b>MSE-I</b>	<b>MSE-II</b>	<b>ESE</b>	<b>Total</b>
2	-	2	2	10	15	15	60	100
<b>Methods of Teacher Assessment (TA):</b> Assignments, Quiz & Class Attendance								
<b>Course Objectives:</b> To develop Mathematical & analytical skills, enhancing problem-solving abilities, & improving performance in competitive exams & aptitude tests.								
<b>Course Outcomes :</b> After completion of the course, the students will be able to:								
<b>CO</b>	<b>Course Outcomes</b>							<b>BT Level</b>
CO-1	Apply basic mathematical operations to analyse data sets. Also, apply percentage concepts in profit & loss, interest, population growth etc.							L3
CO-2	Analyze & interpret speed, time & distance graphs.							L4
CO-3	Understand the concepts of Ratios & Proportions , their applications in real world scenarios, & the use of calendars.							L2
CO-4	Solve the problems of the topics Relation, Direction & ages.							L3

- 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 (6 Hrs.)
- Unit III: Analytical reasoning:** Calendar, Ratio & Proportion (6 Hrs.)
- Unit IV: Logical Reasoning:** Relation, Direction, ages (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.....<sup>3<sup>rd</sup></sup>.....  
Academic Council Meeting  
Dated:-.....05.10.2018.....



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<b>Program:</b> B. Tech. (All Branches)				<b>Semester:</b> III				
<b>Course:</b> Basic German Language (Part I)				<b>Code:</b> BTALOE37SH3T				
<b>Teaching Scheme</b>				<b>Evaluation Scheme</b>				
<b>Lecture</b>	<b>Tutorial</b>	<b>Hours</b>	<b>Credit</b>	<b>TA</b>	<b>MSE-I</b>	<b>MSE-II</b>	<b>ESE</b>	<b>Total</b>
2	-	2	2	10	15	15	60	100
<b>Methods of Teacher Assessment (TA):</b> Assignments, Quiz, Class Activity & Attendance								
<b>Course Objectives:</b> To enable students to acquire basic proficiency in German and use the language in simple everyday and academic situations.								
<b>Course Outcomes:</b> After completion of the course, the students will be able to:								
<b>CO</b>	<b>Course Outcomes</b>							<b>BT Level</b>
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

Approved in.....<sup>h<sub>1</sub></sup>.....  
Academic Council Meeting  
Dated:.....8.8/03/2020.....



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<b>Program:</b>		<b>B. Tech. (All Branches)</b>		<b>Semester:</b>		<b>IV</b>		
<b>Course:</b>		<b>Basic German Language (Part II)</b>		<b>Code:</b>		<b>BTALOE38SH4T</b>		
<b>Teaching Scheme</b>				<b>Evaluation Scheme</b>				
<b>Lecture</b>	<b>Tutorial</b>	<b>Hours</b>	<b>Credit</b>	<b>TA</b>	<b>MSE-I</b>	<b>MSE-II</b>	<b>ESE</b>	<b>Total</b>
2	-	2	2	10	15	15	60	100
<b>Methods of Teacher Assessment (TA):</b> Assignments, Quiz, Class Activity & Attendance								
<b>Course Objectives:</b> To enable students to acquire basic proficiency in German and use the language in simple everyday and academic situations.								
<b>Course Outcomes:</b> After completion of the course, the students will be able to:								
<b>CO</b>	<b>Course Outcomes</b>							<b>BT Level</b>
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

Approved in.....  
Academic Council Meeting

Dated:..... 30/03/2020.....