NANDHA ENGINEERING COLLEGE

(AUTONOMOUS)

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)

ERODE – 638052 TAMIL NADU

Email: principal@nandhaengg.org Mobile: 73737 12234

DEPARTMENT OF SCIENCE AND HUMANITIES

S.No	Department	Semester	Course Code	Course name	% of change
1	Common to all branches	I	22EYA01	Professional Communication - I	-
2	Common to all branches	II	22EYA02	Professional Communication - II	-
3	Common to all branches	III	22MAN07R	Soft / Analytical Skills - III	100 %
4	Common to all branches	IV	22MAN08R	Soft / Analytical Skills - IV	100 %
5	Common to all branches	V	22MAN10R	Communication and Quantitative Reasoning	100 %

28.12.24

Mr.R.Thiruneelakkandan
Head of the Department
Department of Science and Humanities
Nandha Engineering College (Autonomous)
Erode - 638 052, Tamil Nadu.

22MAN07R - SOFT/ANALYTICAL SKILLS – III
(Common to All Branches)

		L	T	P	C
		I	0	2	0

PREREQUISITE : Nil

Course Objective:	• To improve language proficiency for personal or professional reasons • To enhance students' mathematical problem-solving and critical thinking skills

	Course Outcomes The Student will be able to	Cognitive Level	Weightage of COs in Continuous Assessment Test
CO1	Demonstrate effective communication skills by listening actively, speaking clearly, reading critically, and writing coherently in contexts.	U	40%
CO2	Develop proficiency in applying mathematical concepts of time, speed, distance, and financial calculations involving simple and compound interest.	Ap	30%
CO3	Analyse logical reasoning skills through various forms of statements.	An	30%

UNIT I – VERBAL ABILITY	(5+10)

Grammar - Concord - Relative Clause - **Listening** - IELTS Listening (Advanced) and Gap Filling - **Speaking** - Introducing Others - Formal Conversations - **Reading** - Reading Comprehension - **Writing** - Hints Development.

UNIT II – APTITUDE	(5+10)

Simple and Compound Interest - Time, Speed and Distance - Problems on Trains - Boats and Streams - Chain Rule - Time and Work - Pipe and Cisterns.

UNIT III - REASONING	(5+10)

Seating Arrangements - Syllogism - Statement and Conclusion - Statement and Assumption - Statement and Course of Action.

TOTAL(L:45) = 45 PERIODS

REFERENCES:

1. Rizvi, M.Ashraf. *Effective Technical Communication*. Tata McGraw-Hill Education, 2017.
2. Aggarwal R S. *Quantitative* Aptitude for Competitive Examinations. S.Chand Publishing Company Ltd(s)., 2022.
3. Sharma, Arun. *How to Prepare for Quantitative Aptitude for the CAT*. Tata McGraw – Hill Publishing, 2022.
4. Praveen R V. *Quantitative Aptitude and Reasoning*. PHI Learning Pvt. Ltd., 2016.

Mapping of COs with POs / PSOs

COs	POs												PSOs	
	1	2	3	4	5	6	7	8	9	10	11	12	1	2
1									2	3				
2		2		2										
3		2		2										
CO (W.A)		2		2					2	3				

		L	T	P	C
		I	0	2	0

PREREQUISITE : NIL

Course Objective:	• To enhance the ability to communicate coherently and effectively across contexts • To develop quantitative aptitude and analytical reasoning skills

Course Outcomes The Student will be able to		Cognitive Level	Weightage of COs in Continuous Assessment Test
CO1	Develop proficiency to communicate accurately, fluently, and appropriately in various academic, professional and social contexts.	U	40%
CO2	Solve quantitative aptitude problems with more confidence.	Ap	30%
CO3	Draw valid conclusions, identify patterns, and solve problems.	An	30%

UNIT I - VERBAL ABILITY	(15)
Grammar - Sentence Completion – Sentence Improvement - Error Spotting - **Listening** - TOEFL Listening Practice Tests - **Speaking** – Interview Skills - **Reading** - GRE Reading Passages - **Writing** - Paragraph Writing.	

UNIT II - APTITUDE	(15)
Probability - Permutations and Combinations - Data Interpretation on Multiple Charts - Mensuration - Area, Shapes, Perimeter - Races and Games.	

UNIT III - REASONING	(15)
Data Sufficiency - Mathematical Operations - Pattern Completion - Cubes - Embedded Images.	

	TOTAL(L:45) = 45 PERIODS

REFERENCES:

1. Rizvi, M.Ashraf. *Effective Technical Communication.* Tata McGraw-Hill Education, 2017.
2. Aggarwal R S. *Quantitative* Aptitude for Competitive Examinations. S.Chand Publishing Company Ltd(s)., 2022.
3. Sharma, Arun. *How to Prepare for Quantitative Aptitude for the CAT.* Tata McGraw – Hill Publishing, 2022.
4. Praveen R V. *Quantitative Aptitude and Reasoning.* PHI Learning Pvt. Ltd., 2016.

22MAN10R - COMMUNICATION AND QUANTITATIVE REASONING

	L	T	P	C
	1	0	2	0

PREREQUISITE : NIL

Course Objective:	• To enhance the proficiency of the students in both spoken and written communication • To acquire skills required to solve quantitative aptitude problems

Course Outcomes The Student will be able to		**Cognitive Level**	**Weightage of COs in Continuous Assessment Test**
CO1	Converse and draft ideas clearly and persuasively in various contexts.	U	40%
CO2	Solve quantitative aptitude problems with confidence.	Ap	30%
CO3	Draw valid conclusions, identify patterns, and solve problems.	An	30%

UNIT I - LANGUAGE BOOSTERS	**(5+10)**
JAM - General Topic Presentation - Group Discussion - Mock Interview - E Mail Writing - Essay writing	

UNIT II - APTITUDE	**(5+10)**
Mensuration - Area, Shapes, Perimeter - Races and Games - Data Interpretation on Multiple Charts.	

UNIT III - REASONING	**(5+10)**
Venn diagram - Syllogism - Data Sufficiency - Cubes & Embedded Images.	

TOTAL (L:15, P:30) : 45 PERIODS

REFERENCES:

1. Rizvi, M.Ashraf. "Effective Technical Communication", Tata McGraw-Hill Education, 2017.
2. Aggarwal R S. "Quantitative Aptitude for Competitive Examinations." S.Chand Publishing Company Ltd(s), 2022.
3. Arun Sharma. "How to Prepare for Quantitative Aptitude for the CAT", Tata McGraw - Hill Publishing, 2022.
4. Praveen R V., "Quantitative Aptitude and Reasoning", PHI Learning Pvt. Ltd., 2016.

Mapping of COs with POs / PSOs														
COs	**POs**												**PSOs**	
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**1**	**2**
1									2	3				
2		2		2										
3		2		2										
CO (W.A)		1		1					1	1				