

MOHAMMED SATHAK A J COLLEGE OF ENGINEERING

Siruseri IT park, OMR, Chennai - 603103

LESSON PLAN							
Department of <u>COMPUTER SCIENCE</u> Engineering & INFORMATION TECHNOLOGY							
Name of the Subject	ALGEBRA AND NUMBER THEORY	Name of the handling Faculty	K.Ramamoorthy				
Subject Code	MA8551	Year / Sem	III/V				
Acad Year	2022-2023	Batch	2019-2024				
Course Objective							
To deliver the basic notions of groups, rings, fields which will then be used to solve related problems.							
To apply and illustrate the concepts of rings, finite fields and polynomials							
To Summarize the basic concepts in number theory							
To examine the key questions in the Theory of Numbers.							
To relate the integrated approach to number theory and abstract algebra, and provide a firm basis for further reading and study in the subject							
Course Outcome							
Apply the basic notions of groups, rings, fields which will then be used to solve related problems.							
Classify the fundamental concepts of advanced algebra and their role in modern mathematics and applied contexts.							
Demonstrate accurate and efficient use of advanced algebraic techniques.							
Demonstrate their mastery by solving non - trivial problems related to the concepts, and by proving simple theorems about the, statements proven by the text							
Apply integrated approach to number theory and abstract algebra, and provide a firm basis for further reading and study in the subject.							
Lesson Plan							
Sl. No.	Topic(s)	T / R*	Periods Required	Mode of Teaching (BB / PPT / NPTEL / MOOC / etc)	Blooms Level (L1-L6)	CO	PO
UNIT I GROUPS AND RINGS		12					
1	Introduction - Groups : Definition - Properties	T2	1	Chalk and Board	L1	CO1	PO1,PO3
2	Homomorphism	T2	1	Chalk and Board	L1	CO1	PO1,PO3
3	Isomorphism	T2	1	Chalk and Board	L1	CO1	PO1,PO3
4	Cyclic groups	T2	1	Chalk and Board	L2	CO1	PO1,PO3
5	Cosets	T2	1	Chalk and Board	L2	CO1	PO1,PO3
6	Lagrange's theorem	T2	1	Chalk and Board	L2	CO1	PO1,PO3
7	Rings: Definition - Sub rings	T2	1	Chalk and Board	L2	CO1	PO1,PO3
8	Sub Rings-Theorems	T2	1	Chalk and Board	L3	CO1	PO1,PO3
9	Integral domain	T2	1	Chalk and Board	L3	CO1	PO1,PO3
10	Integral domain-Theorem	T2	1	Chalk and Board	L3	CO1	PO1,PO3
11	Field & Integer modulo n	R1	1	Chalk and Board	L3	CO1	PO1,PO3
12	Ring homomorphism.	R1	1	Chalk and Board	L3	CO1	PO1,PO3
Suggested Activity: Assignment / Case Studies / Tuorials/ Quiz / Mini Projects / Model Developed/others Planned if any							
Evaluation method							

UNIT II		FINITE FIELDS AND POLYNOMIALS				12	
13	Rings-Introduction	T1	1	Chalk and Board	L1	CO2	PO1,PO2,PO3
14	Ring Polynomial	T1	1	Chalk and Board	L1	CO2	PO1,PO2,PO3
15	Irreducible Polynomial	T1	1	Chalk and Board	L1	CO2	PO1,PO2,PO3
16	Irreducible Polynomial-Theorem	T1	1	Chalk and Board	L2	CO2	PO1,PO2,PO3
17	Irreducible Polynomial-problems	T1	1	Chalk and Board	L2	CO2	PO1,PO2,PO3
18	Irreducible Polynomial over finite fields	T1	1	Chalk and Board	L2	CO2	PO1,PO2,PO3
19	Hexadecimal & Octo decimal problems	T1	1	Chalk and Board	L2	CO2	PO1,PO2,PO3
20	Hexadecimal & Octo decimal problems	T1	1	Chalk and Board	L2	CO2	PO1,PO2,PO3
21	Factorization of polynomials over finite fields.	T1	1	Chalk and Board	L2	CO2	PO1,PO2,PO3
22	Factorization of polynomials over finite fields.	T1	1	Chalk and Board	L2	CO2	PO1,PO2,PO3
23	Factorization of polynomials over finite fields.	T1	1	Chalk and Board	L2	CO2	PO1,PO2,PO3
24	Factorization of polynomials over finite fields-Problems	T1	1	Chalk and Board	L2	CO2	PO1,PO2,PO3
Suggested Activity: Assignment / Case Studies / Tuorials/ Quiz / Mini Projects / Model Developed/others Planned if any							
Evaluation method							
UNIT III		DIVISIBILITY THEORY AND CANONICAL DECOMPOSITIONS				12	
25	Division algorithm	T1	1	Chalk and Board	L1	CO3	PO1,PO2
26	Base - b representations	T1	1	Chalk and Board	L2	CO3	PO1,PO2
27	Number patterns	T1	1	Chalk and Board	L3	CO3	PO1,PO2
28	Prime and composite numbers	T1	1	Chalk and Board	L3	CO3	PO1,PO2
29	Prime and composite numbers-Theorems	T1	1	Chalk and Board	L2	CO3	PO1,PO2
30	GCD	T1	1	Chalk and Board	L1	CO3	PO1,PO2
31	GCD-Problems	T1	1	Chalk and Board	L3	CO3	PO1,PO2
32	Euclidean algorithm	T1	1	Chalk and Board	L2	CO3	PO1,PO2
33	Euclidean algorithm-Problems	T1	1	Chalk and Board	L2	CO3	PO1,PO2
34	Fundamental theorem of arithmetic	R2	1	Chalk and Board	L2	CO3	PO1,PO2
35	LCM	R2	1	Chalk and Board	L1	CO3	PO1,PO2
36	LCM-Problems	R2	1	Chalk and Board	L3	CO3	PO1,PO2
Suggested Activity: Assignment / Case Studies / Tuorials/ Quiz / Mini Projects / Model Developed/others Planned if any							
Evaluation method							
UNIT IV		DIOPHANTINE EQUATIONS AND CONGRUENCES				12	
37	Linear Diophantine equations	T1	1	Chalk and Board	L1	CO4	PO1,PO2
38	Linear Diophantine equations-Problems	T1	1	Chalk and Board	L1	CO4	PO1,PO2
39	Congruence's	T1	1	Chalk and Board	L1	CO4	PO1,PO2
40	Linear Congruence's	T1	1	Chalk and Board	L2	CO4	PO1,PO2
41	Linear Congruence's	T1	1	Chalk and Board	L2	CO4	PO1,PO2
42	Applications: Divisibility tests	T1	1	Chalk and Board	L3	CO4	PO1,PO2

43	Applications: Divisibility tests	T1	1	Chalk and Board	L3	CO4	PO1,PO2
44	Modular exponentiation	T1	1	Chalk and Board	L3	CO4	PO1,PO2
45	Chinese remainder theorem	T1	1	Chalk and Board	L2	CO4	PO1,PO2
46	Chinese remainder theorem-PROBLEMS	R2	1	Chalk and Board	L3	CO4	PO1,PO2
47	2 x 2 linear systems	R2	1	Chalk and Board	L2	CO4	PO1,PO2
48	2 x 2 linear systems-Problems	R2	1	Chalk and Board	L3	CO4	PO1,PO2

Suggested Activity: Assignment / Case Studies / Tuorials/ Quiz / Mini Projects / Model Developed/others Planned if any

Evaluation method

UNIT V CLASSICAL THEOREMS AND MULTIPLICATIVE FUNCTIONS 12

49	Wilson's theorem	T1	1	Chalk and Board	L1		
50	Wilson's theorem-PROBLEMS	T1	1	Chalk and Board	L2		
51	Wilson's theorem-PROBLEMS	T1	1	Chalk and Board	L3		
52	Fermat's little theorem	T1	1	Chalk and Board	L1		
53	Fermat's little theorem-PROBLEMS	T1	1	Chalk and Board	L3		
54	Euler's theorem	T1	1	Chalk and Board	L1		
55	Euler's theorem-PROBLEMS	T1	1	Chalk and Board	L3		
56	Euler's theorem-PROBLEMS	T1	1	Chalk and Board	L3		
57	Euler's Phi functions	T1	1	Chalk and Board	L2		
58	Euler's Phi functions-PROBLEMS	T1	1	Chalk and Board	L3		
59	Tau and Sigma functions	T1	1	Chalk and Board	L2		
60	Tau and Sigma functions-Problems	T1	1	Chalk and Board	L3		

Suggested Activity: Assignment / Case Studies / Tuorials/ Quiz / Mini Projects / Model Developed/others Planned if any

Evaluation method

Content Beyond the Syllabus Planned

1	
2	

Text Books

1	Grimaldi, R.P and Ramana, B.V., "Discrete and Combinatorial Mathematics", Pearson Education, 5th Edition, New Delhi, 2007.
2	Koshy, T., —Elementary Number Theory with ApplicationsI, Elsevier Publications, New Delhi, 2002.
3	

Reference Books

1	Lidl, R. and Pitz, G, "Applied Abstract Algebra", Springer Verlag, New Delhi, 2nd Edition, 2006.
2	Niven, I., Zuckerman.H.S., and Montgomery, H.L., —An Introduction to Theory of NumbersI, John Wiley and Sons , Singapore, 2004.
3	San Ling and Chaoping Xing, —Coding Theory – A first CourseI, Cambridge Publications, Cambridge, 2004.

Website / URL References

1	https://onlinecourses.nptel.ac.in
2	
3	

Blooms Level

Level 1 (L1) : Remembering	Lower Order Thinking	Fixed Hour Exams	Level 4 (L4) : Analysing		Higher Order Thinking	Projects / Mini Projects
Level 2 (L2) : Understanding			Level 5 (L5) : Evaluating			
Level 3 (L3) : Applying			Level 6 (L6) : Creating			

Mapping syllabus with Bloom's Taxonomy LOT and HOT

Unit No	Unit Name	L1	L2	L3	L4	L5	L6	LOT	HOT	Total
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Unit 1	GROUPS AND RINGS					0	0	0	0	0	0	0	0	0
Unit 2	FINITE FIELDS AND POLYNOMIALS					0	0	0	0	0	0	0	0	0
Unit 3	DIVISIBILITY THEORY AND CANONICAL DECOMPOSITIONS					0	0	0	0	0	0	0	0	0
Unit 4	DIOPHANTINE EQUATIONS AND CONGRUENCES					0	0	0	0	0	0	0	0	0
Unit 5	CLASSICAL THEOREMS AND MULTIPLICATIVE FUNCTIONS					0	0	0	0	0	0	0	0	0
Total						0	0	0	0	0	0	0	0	0
Total Percentage						#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
CO PO Mapping														
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	3	2	-	-	-	-	-	-	-	-	-	-	-
CO2	3	3	2	-	-	-	-	-	-	-	-	-	-	-
CO3	3	3	2	-	-	-	-	-	-	-	-	-	-	-
CO4	3	3	2	-	-	-	-	-	-	-	-	-	-	-
CO5	3	3	2	-	-	-	-	-	-	-	-	-	-	-
Avg	3	3	2	-	-	-	-	-	-	-	-	-	-	-
Justification for CO-PO mapping														
CO1	Summarize the notations and properties of algebraic structures such as groups, rings and fields.													
CO2	Explain the concepts of finite fields and polynomials to solve problems in advanced algebra.													
CO3	Associate the applications of divisibility theory and canonical decompositions.													
CO4	Describe the concept of Diophantine equations and congruences and exhibit the efficient use of advanced algebraic to													
CO5	Extend the concepts of multiplicative functions and classical theorems.													
CO6	Associate the knowledge of integrated approach to Number theory and abstract algebra													
3		High level			2		Moderate level			1		Low level		
Name & Sign of Faculty Incharge :K.RAMAMOORTHY														
Name & Sign of Subject Expert :														
Head of the Department :														

Format No :231

Chennai Institute of Technolohy, Chennai - 600 069

Student Extra Curricular Participation Details

Department :							Academic Year :
S.No	Name of the Student	Year/ Sem/Sec	Name of the Event	Date	Organised by	Level	Venue
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							

Supporting Documents Required 1. Copy of Certificate

2. Photographs

Head of the Department

Chennai Institute of Technology, Chennai - 600 069

Student Extra - Curricular Achievements Details

Department :							Academic Year :	
S.No	Name of the Students	Year/ Sem/Sec	Name of the Competition	Date	Organised by	Level	Name of the Event	Prizes Won
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

Supporting Documents Required

1. Copy of Certificate

2. Photographs

Head of the Department

Chennai Institute of Technology, Chennai - 600 069

Student Exchange Program Details

Department :						Academic Year:	
S.No	Name of the College/University	State/Country	Contact Person Details	No of Students	Sem / Yr	Period	Area/Domain of Training
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							

Supporting Documets Required :

1. Copy of Communication letters/Mail

3. Copy of Certificate issued by College/University

5 . Photograph

2. Students Name list

4. Report Prepared by the Students

Faculty Coordinator

Head of the Department

Chennai Institute of Technolohy, Chennai - 600 069**NSS / Social Activities Participation Details**

Department :

S.No	Name of the Students	Year/ Sem/Sec	Name of the Event	Date	Purpose / Beneficiary
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

Supporting Documents Required

1. Copy of Certificate

2. Photographs

Name & Signature of CoOrdinator with date

HOD

Format No : 280

Chennai Institute of Technology, Chennai - 600 069**Industry Supported Laboratories**

Department:

S.No	Name of the Laboratory	Objective	Utilization	Effectiveness

Head of the department

Chennai Institute of Technology, Chennai - 600 069**Industry Involvement in Curriculum**

Department:

S.No.	Name of the Industry	Branch	Period	Course Offered

Head of the department

Chennai Institute of Technology, Chennai - 600 069**Department of****Engineering****Guest Lecture Requirement Details**

Name of the Resource Person

Designation

Contact details

Address of the Organization

Topic of GL / Seminar / WS

Is it a part of Curriculum or
Content Beyond the Syllabus or
New Technology

Date & Duration

Target Audience

Location

Vehicle Required or not

Faculty Coordinating with Guest

No. of Banners Required

Budget Requirements if any

Format no:283 B

Chennai Institute of Technology, Chennai - 600 069

Department of

Engineering

Details of Guest Lecture and Seminars Conducted for the Period of Odd / Even Semester 20 - 20

S.No	Date	Topic of Guest Lecture / Seminar	Subject which is associated with the title of GL / Seminar	Faculty Coordinator	Duration	Resource Person Details	Target Audience	No. of Students Attended

Supporting Documents Required

1. Communication & Confirmation Letter
2. Photos
3. Circulars
4. Students feedback & Report
5. Guest feedback about students involvement & Interaction

Faculty Coordinator

Head of the Department

Chennai Institute of Technology, Chennai - 600 069		
Department of		Engineering
Guest Lecture -Report		
S.NO	DESCRIPTION	DETAILS
1	Department	
2	Target Audience & Strength	
3	GL / Seminar / Workshop Program No	
4	Date , Time & Venue	
5	Topic Name	
6	Name of the Resource Person	
7	Designation	
8	Address of the Industry / Institution	
9	Overall Feedback :	
Supporting Documents Required :		
1. Communication letters 2. Students Report 3. Photographs		
<div style="text-align: right;">Head of the Department</div>		

Chennai Institute of Technology, Chennai - 600 069**Student Feedback on GL / Seminar / Workshop**

Department:	Academic Year:
Name of the Student	
Year/Sem/Sec	
Name of the Guest	
Name of the Institution/ University/ Industry/R&D Organization.	
Event	GL/Seminar/Workshop/Conference/Others
Date of Event	
Was the session Useful?	
Expert Interaction	Excellent / Good / Average
Whether the lecture was related to Subject ? If yes mention the subject	
Brief Summary/Report of the topic	
General Remarks	
Signature of Student	

Chennai Institute of Technology, Chennai - 600 069

Consolidated Industrial Visit / Tour Details for the Period of Odd / Sem 20 / 20

Department :						Academic Year:	
S.No	Name of the Industry	Contact Person Details	No of Students visited	Sem / Yr	Date of Visit	Faculty Accompanied	Name of the Subject Related
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
Supporting Documents Required		1. Communication / Permission Letters 4. Students Name list		2. Photographs 5. Parents Consent letter		3. Certificates if any 5. Transport req letter	
Head of the Department							

Chennai Institute of Technology, Chennai - 600 069

Consolidated Internship Details for the Period of Odd / Even Sem 20 / 20						
Department :					Academic Year	
S.No	Name of the Industry	Contact Person Details	No of Students	Sem / Yr	Period	#Type of Training
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

Supporting Documets Required :

1. Copy of Communication letters/Mail

2. Students Name list

3. Copy of Certificate issued by Industry

4. Report Prepared by the Students

#Type of Training: Service/Product/Software/Tools/Management Based

Faculty Coordinator

Head of the Deaprtment

Format No : 291

Chennai Institute of Technology, Chennai - 600 069**Department of****Engineering**

Consolidated Report of Professional Society Activities for the Period of Odd / Even Sem 20 / 20

S.No	Name of the Professional Association	Name of the Event	Topic / Title	Resource Person	Date	No.of Participants	
						Internal	External

Chennai Institute of Technology, Chennai - 600 069		
Symposium		
Department :		Academic Year:
Name of the Faculty Co-Ordinators:		
Name of the Student Co-Ordinators:		
Date of the Event		
Target Audience		
Details of the Chief Guest	1	
	2	
	3	
	4	
List of Events	Name of the Faculty Co-Ordinator	Name of the Student Co-Ordinators
1		
2		
3		
4		
5		
6		
7		
8		
No of Participants Attended		
No of Participating Colleges		

Supporting Documents Required :

1. Communication letters & Brochures 2. Budget 3. Photographs 4. Registration Copy

Format : 293

Chennai Institute of Technology, Chennai - 600 069			
Project Exhibition / CITCOS / Fungenia			
Department :		Academic Year:	
Name of the Faculty Co-Ordinators:			
Name of the Student Co-Ordinators:			
Date of the Event			
Target Audience			
Details of the Chief Guest		1	
		2	
		3	
		4	
List of Events		Name of the Faculty Co-Ordinator	Name of the Student Co-Ordinators
1			
2			
3			
4			
5			
6			
7			
8			
No of Participants Attended			
No of Participating Colleges			
S.No	Title of the Project / Course / WS	Name of the Student	Faculty Incharge

Supporting Documents Required :

1. Communication letters & Brochures 2. Budget 3. Photographs 4. Registration Copy

Chennai Institute of Technology, Chennai – 600 069					
Academic Calendar for Odd / Even Semester 20 - 20					
Assessment Schedule					
Year	Assessment –I	Assessment –II	UPC	Model Theory	Model Practical
I					
II					
III					
IV					
Project review Schedule		University Theory Examination			
Project	Period	I Yr	II Yr	III Yr	IV Yr
0 th Review					
1 st Review					
2 nd Review		PG - I Yr	PG II Yr	University Practical Exam	
3 rd Review					
Final Review					
Supporting Documents : Anna University Schedule ; Department Planner					
Format No :295					

Chennai Institute of Technology, Chennai - 600 069

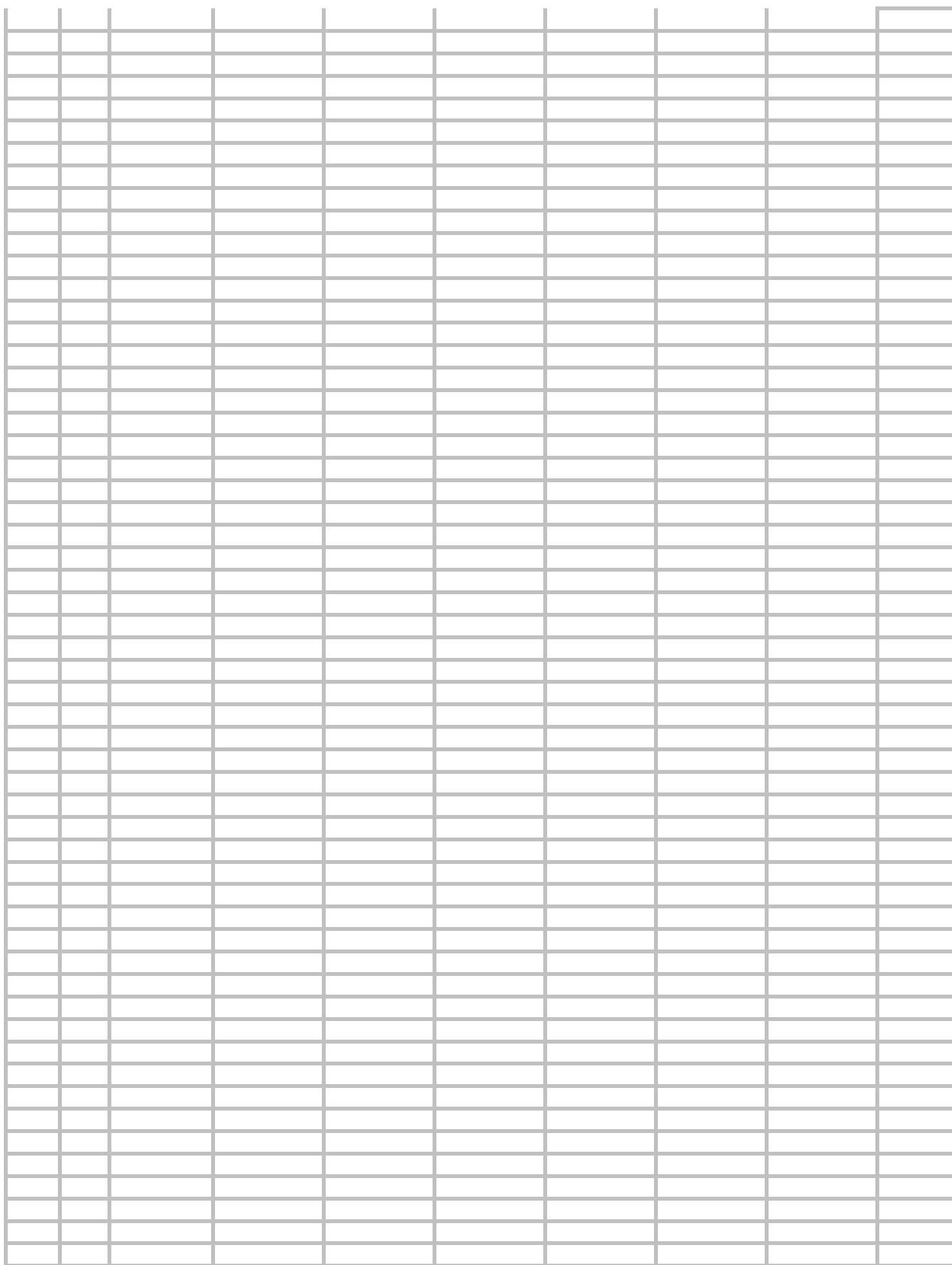
Department of				Engineering				
Overall Internal Assessment I / II / Model Exam. Result Analysis for the AY :								
S.NO	Sem /	Subject						
1		APPEARED						
		PASS						
		PASS%						
		STAFF						
2		Subject						
		APPEARED						
		PASS						
		PASS%						
		STAFF						
3		Subject						
		APPEARED						
		PASS						
		PASS%						
		STAFF						
Overall			II	III	IV			Total
Pass								
% of Pass								
Arrear List			II	III	IV			
1 - Subject Fail								
2 - Subjects Fail								
3 - Subjects Fail								
4 - Subjects Fail								
5 - Subjects Fail								
6 - Subjects Fail								

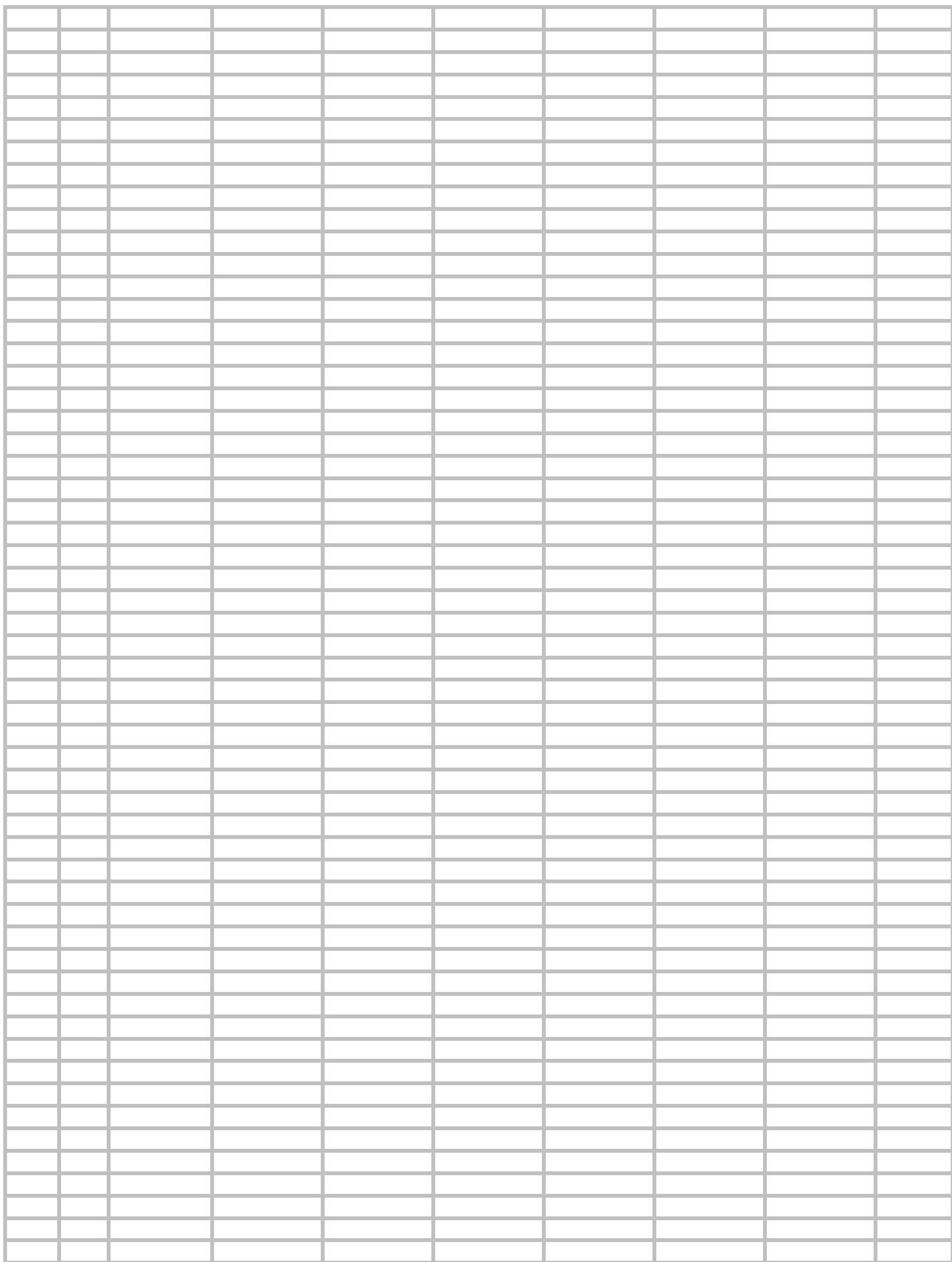
Faculty Incharge

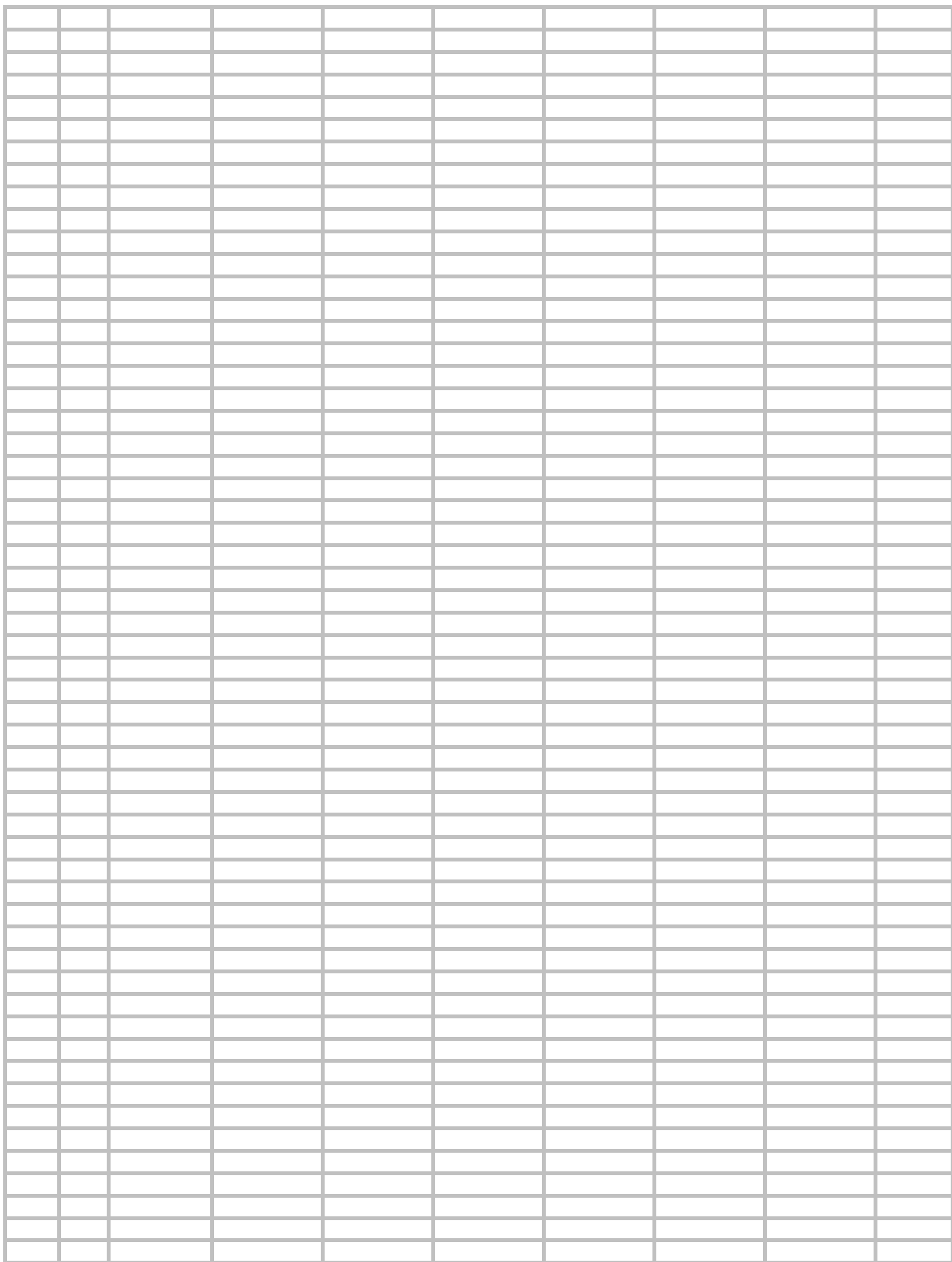
HOD

Principal



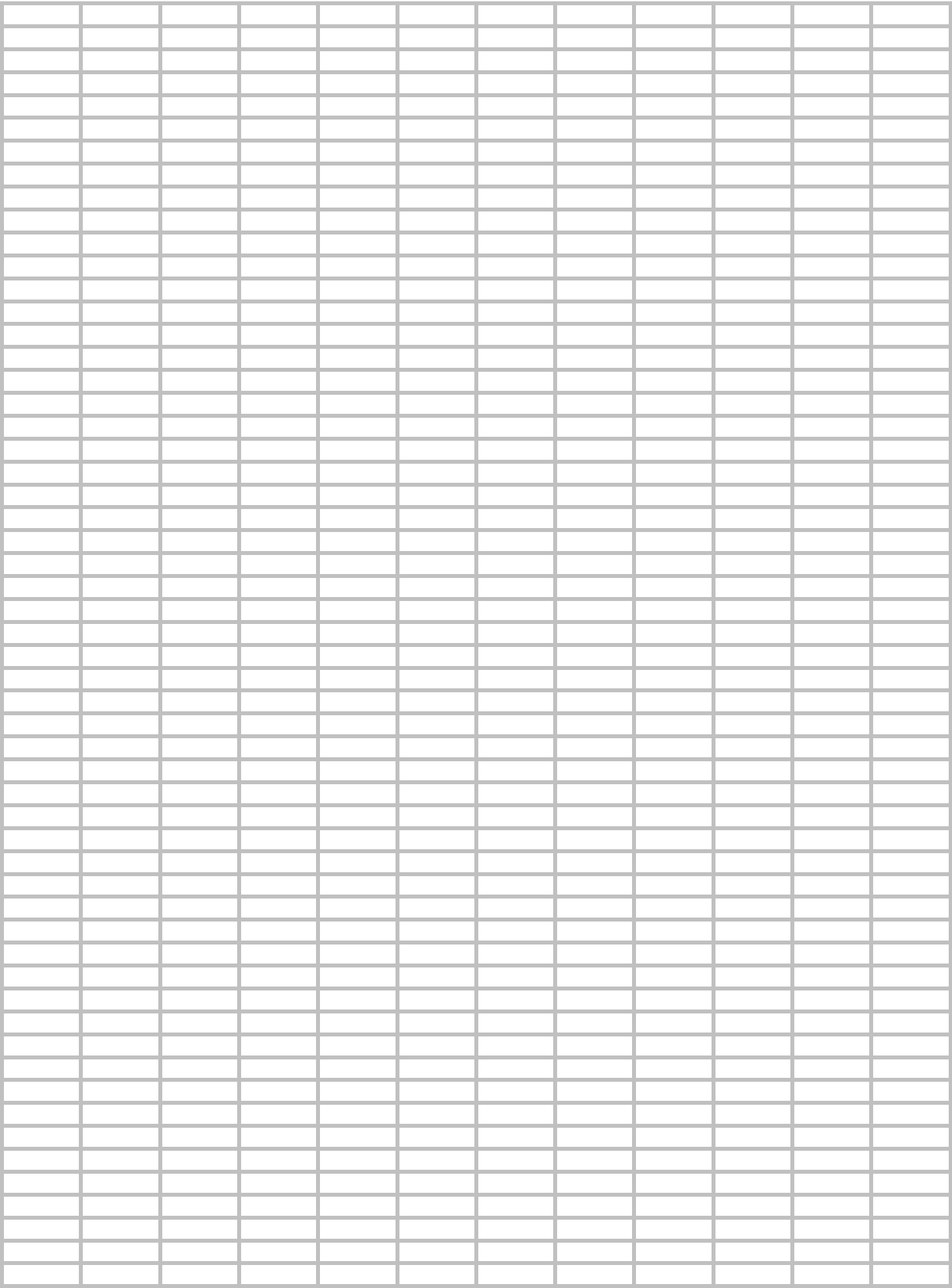


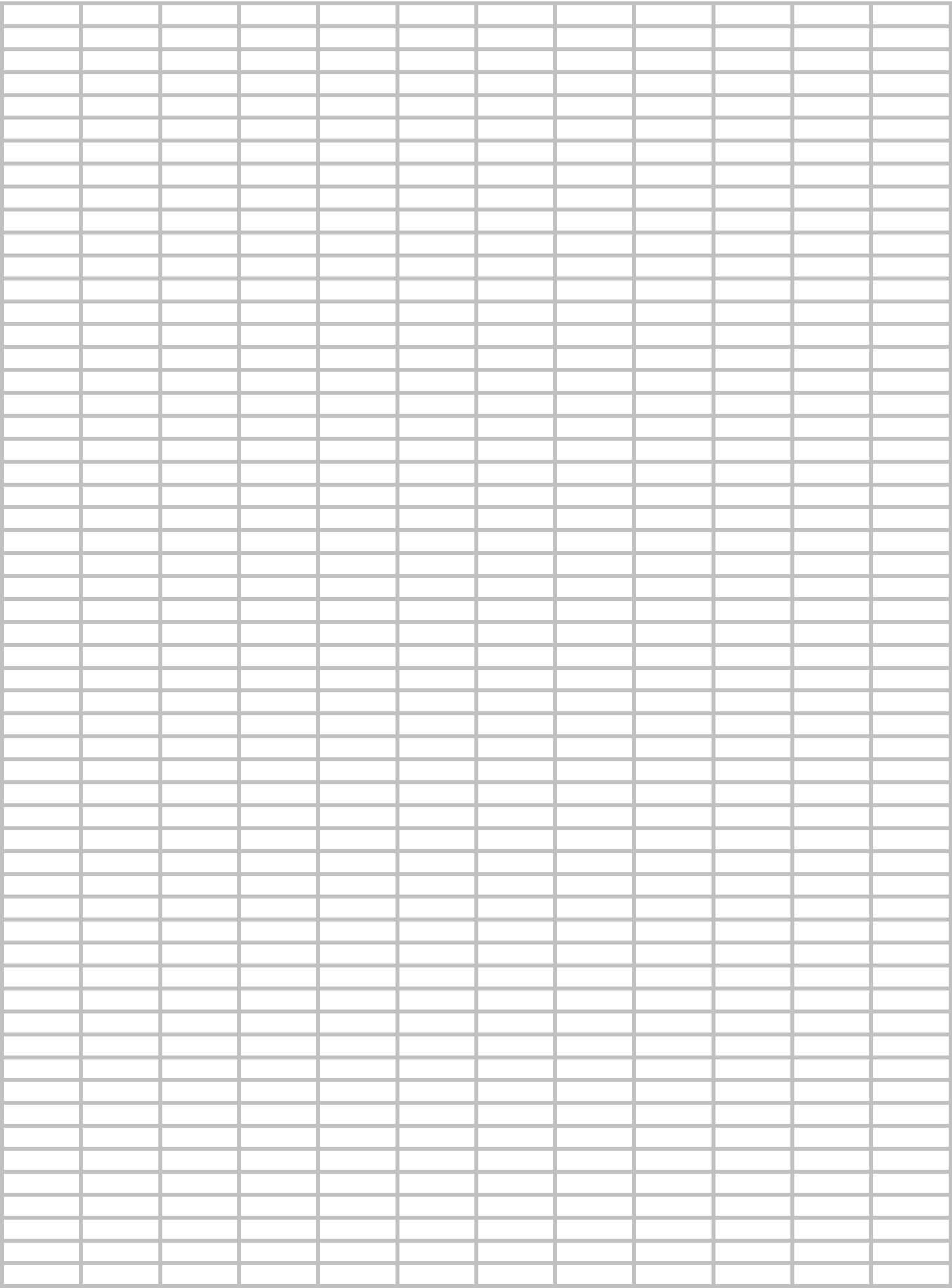


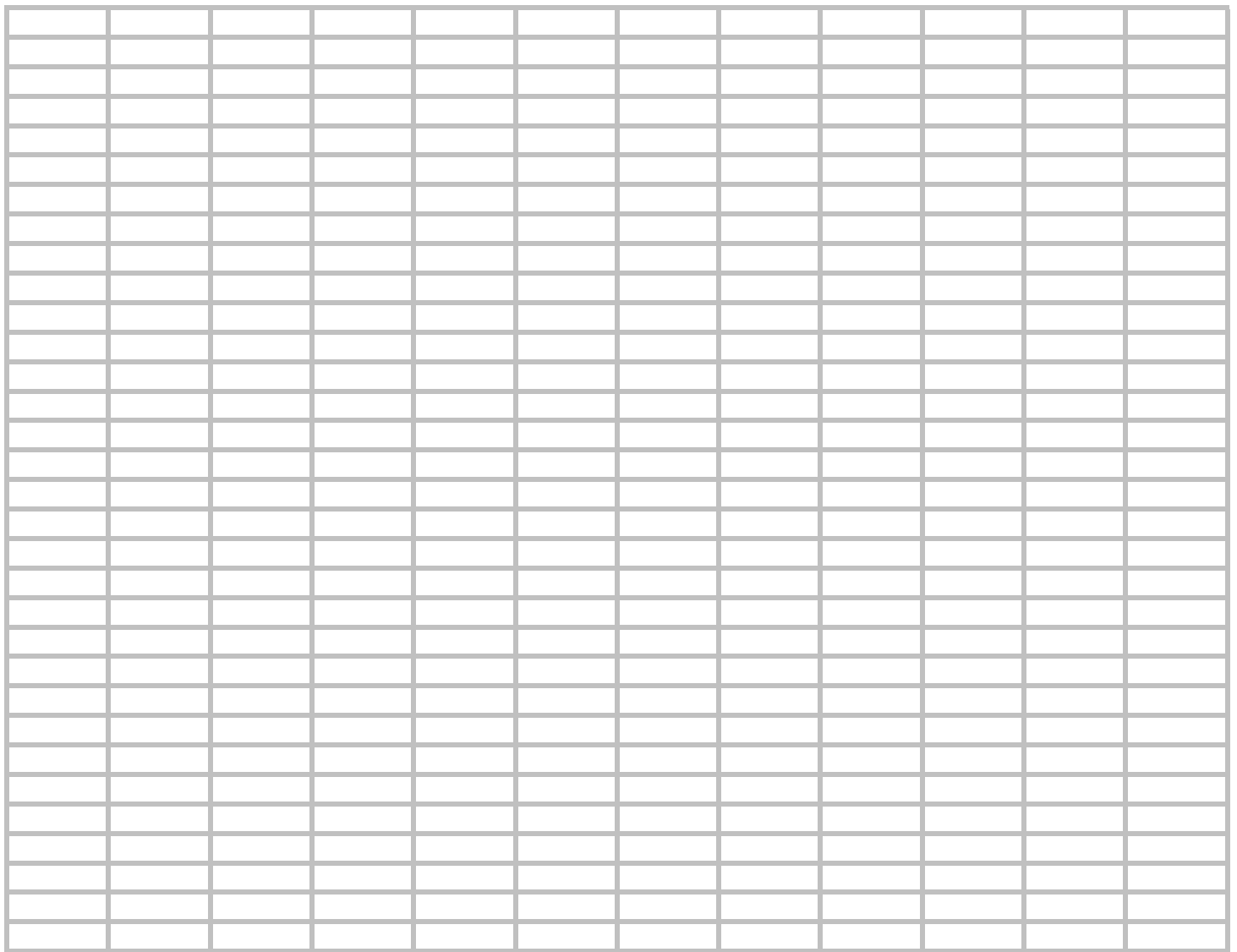


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Chennai Institute of Technology, Chennai - 600 069

Department of

Engineering

Grade Analysis : Internal Assessment I / II / Model Exam. for the AY :

Year: II

Section:

Pass & Pass%

S.No	Subject Code	Subject	Staff Name	Pass		Grade								
				Stu	%	S	A	B	C	D	E	U	AB	U+AB FAIL
1														
2														
3														
4														
5														
6														

Year: III

Section:

Pass & Pass%

S.No	Subject Code	Subject	Staff Name	Pass		Grade								
				Stu	%	S	A	B	C	D	E	U	AB	U+AB FAIL
1														
2														
3														
4														
5														
6														

Year: IV

Section:

Pass & Pass%

S.No	Subject Code	Subject	Staff Name	Pass		Grade								
				Stu	%	S	A	B	C	D	E	U	AB	U+AB FAIL
1														
2														
3														
4														
5	Total No. of Students Appeared													
6	Total No. of Students Passed													
7	Overall Pass %													

Prepared By

Verified by

Approved By

Format No.: 296 B



Chennai Institute of Technology, Chennai - 600 069								
Department of				Engineering				
Studentwise Internal Assessment 1 / 2 / Model Exam Result Analysis								
Year / Semester:		Section:						
Sno	Reg No	Name of the Students	Appear in Univ. Exam	Sub Code	Sub Code	Sub Code	Sub Code	Sub Code
				Sub.Name	Sub.Name	Sub.Name	Sub.Name	Sub.Name
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
Absent								
Grade U								
"S" Grade								
"A" Grade								
"B" Grade								
"C" Grade								
"D" Grade								
"E" Grade								
Pass								
Appeared								
Pass %								
Faculty Name								

Faculty I/C

HOD

Format No : 296 C



AY : 20 / 20		
Sub Code	GPA	No.of Sub Failed
Sub.Name		
	Appeared	
	All pass	
	% of Pass	
	1- arr	
	2-arr	
	3-arr	
	4-arr	
	5-arr	
	6 -arr	
	Total	

Principal



0	0	0	0	0
180	160	140	120	110
C-Off	Regd	Pass	Pass%	
180	0	#####	#####	
160	0	#####	#####	
140	0	#####	#####	
120	0	#####	#####	
110	0	#####	#####	
100	0	#####	#####	
<100	0	#####	#####	
EEE-II	0	#####	#####	



0	0	0	###	###	###	###	###	###	###	###	###	###	##	###	####
100	<100		180	160	140	120	110	100	<100	FAIL		0	0	0	
			####	####	####	####	####	####	####	###		Reg	Pass	Pass%	
										###	0	###	####	#####	
											0	###	####	#####	
											0	###	####	#####	
											0	###	####	#####	
											F	###	####	#####	
											M	###	####	#####	
											EEE-II	###	####	#####	

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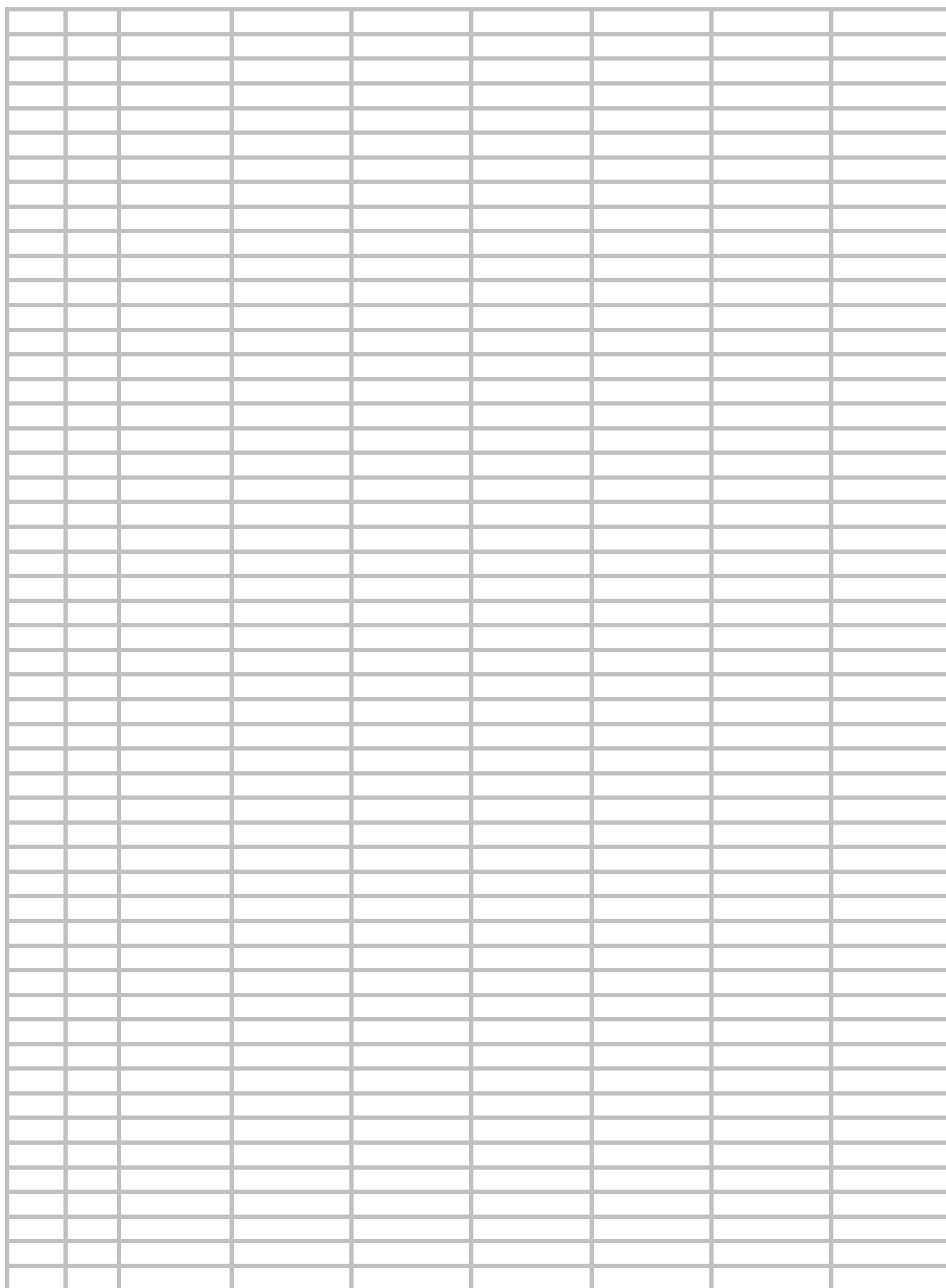
All Pass	###	###	###	###	###	###	###	###	###	###	##	##	###	####	#####	##	#####	##
1- arr	###	###	###	###	###	###	###	###	###	###	##	##	0	0	0	0	0	0
2-arr	###	###	###	###	###	###	###	###	###	###	##	##						
3-arr	###	###	###	###	###	###	###	###	###	###	##	##						
4-arr	###	###	###	###	###	###	###	###	###	###	##	##						
5-arr	###	###	###	###	###	###	###	###	###	###	##	##						
>5-arr	###	###	###	###	###	###	###	###	###	###	##	##						
Total	###	###	###	###	###	###	###	###	###	###	##	##						
	0	0	0	0	0	0	0	0	0	0								

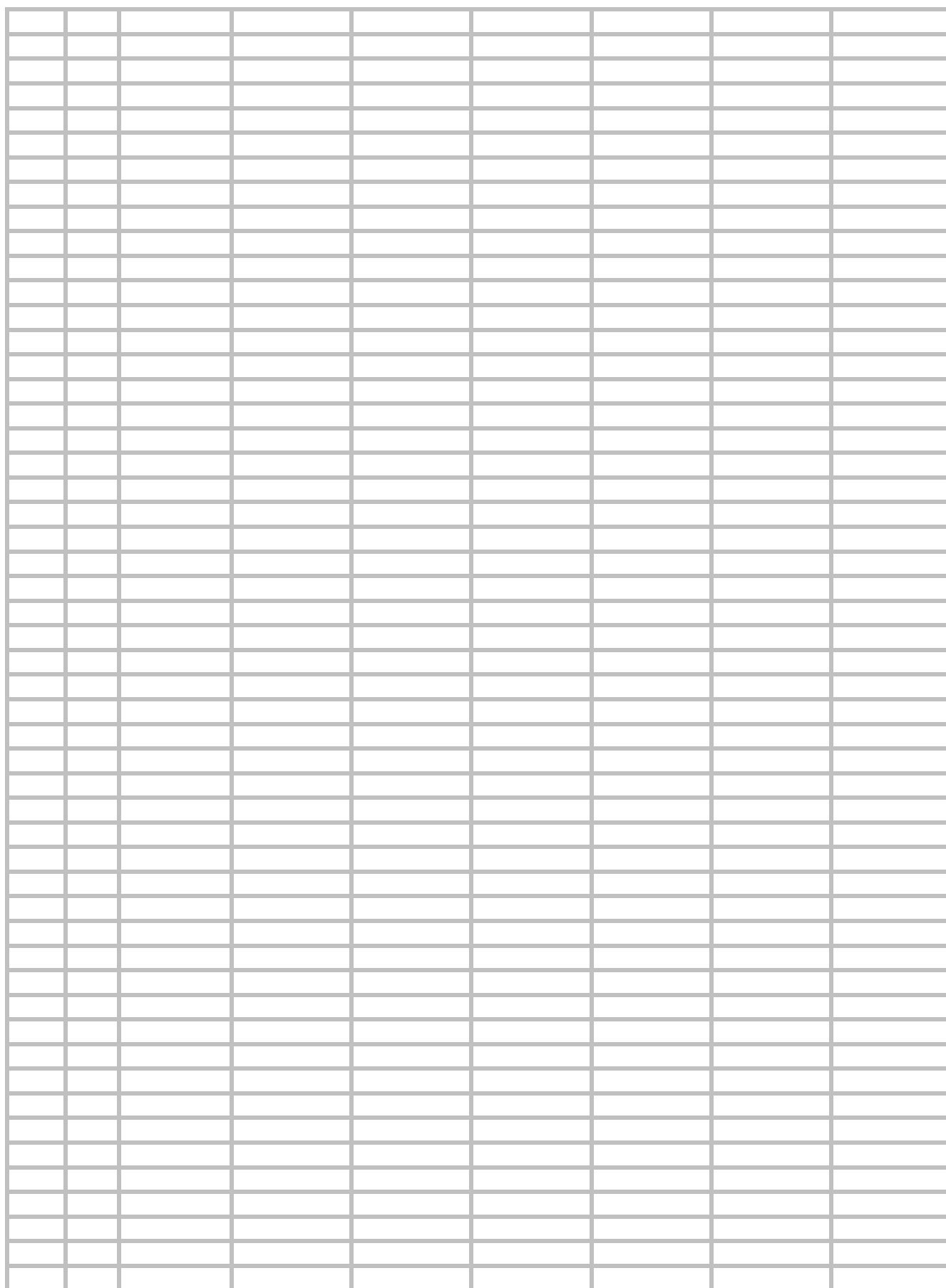
T/NT	1	2	3	4	5	>5
M	###	###	###	###	###	###
F	###	###	###	###	###	###
HMT	###	###	###	###	###	###
HFT	###	###	###	###	###	###
DMT	###	###	###	###	###	###
DFT	###	###	###	###	###	###
HMNT	###	###	###	###	###	###
HFNT	###	###	###	###	###	###
DMNT	###	###	###	###	###	###
DFNT	###	###	###	###	###	###

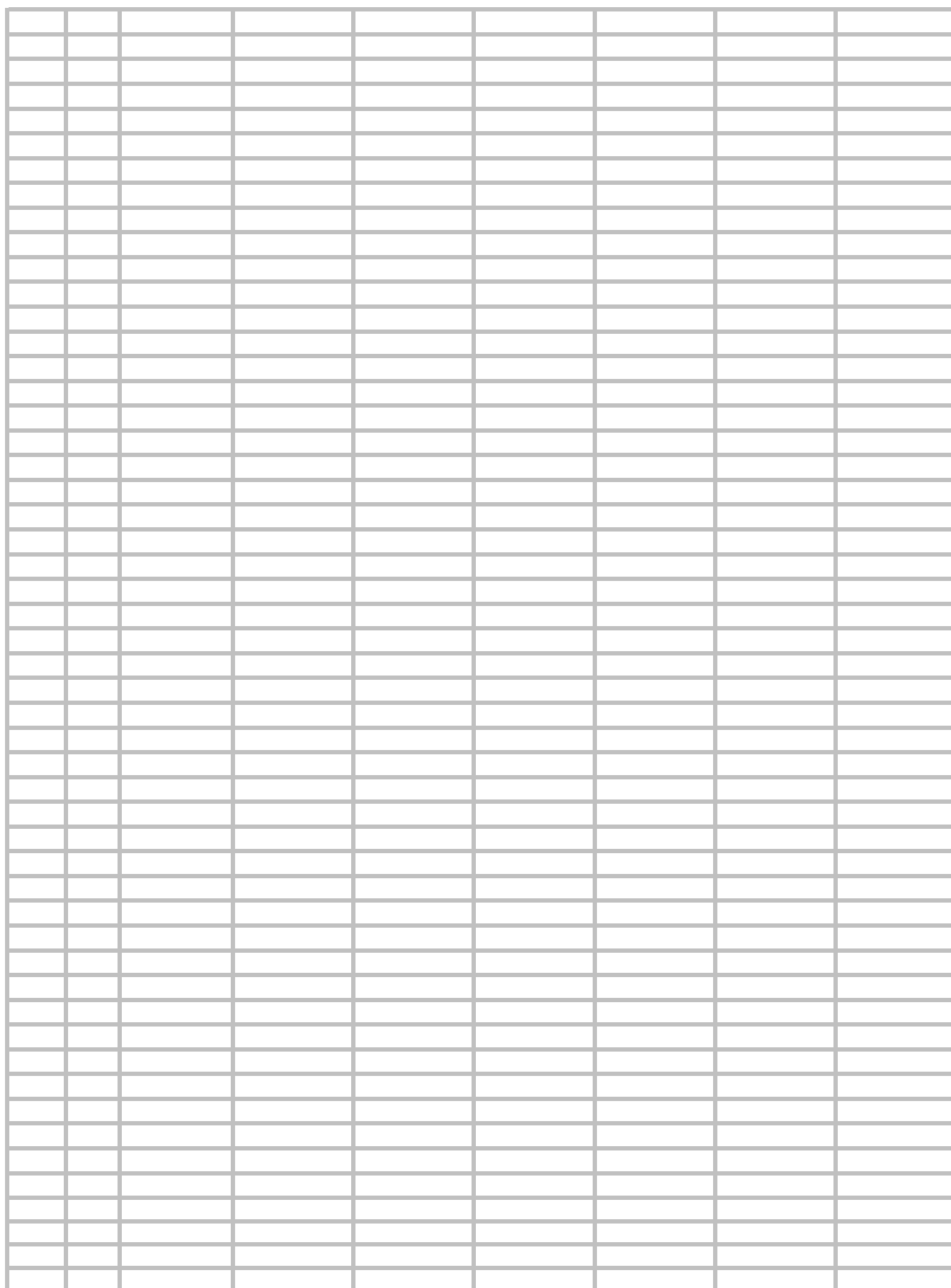


#NAME?	#NAME?
0	0

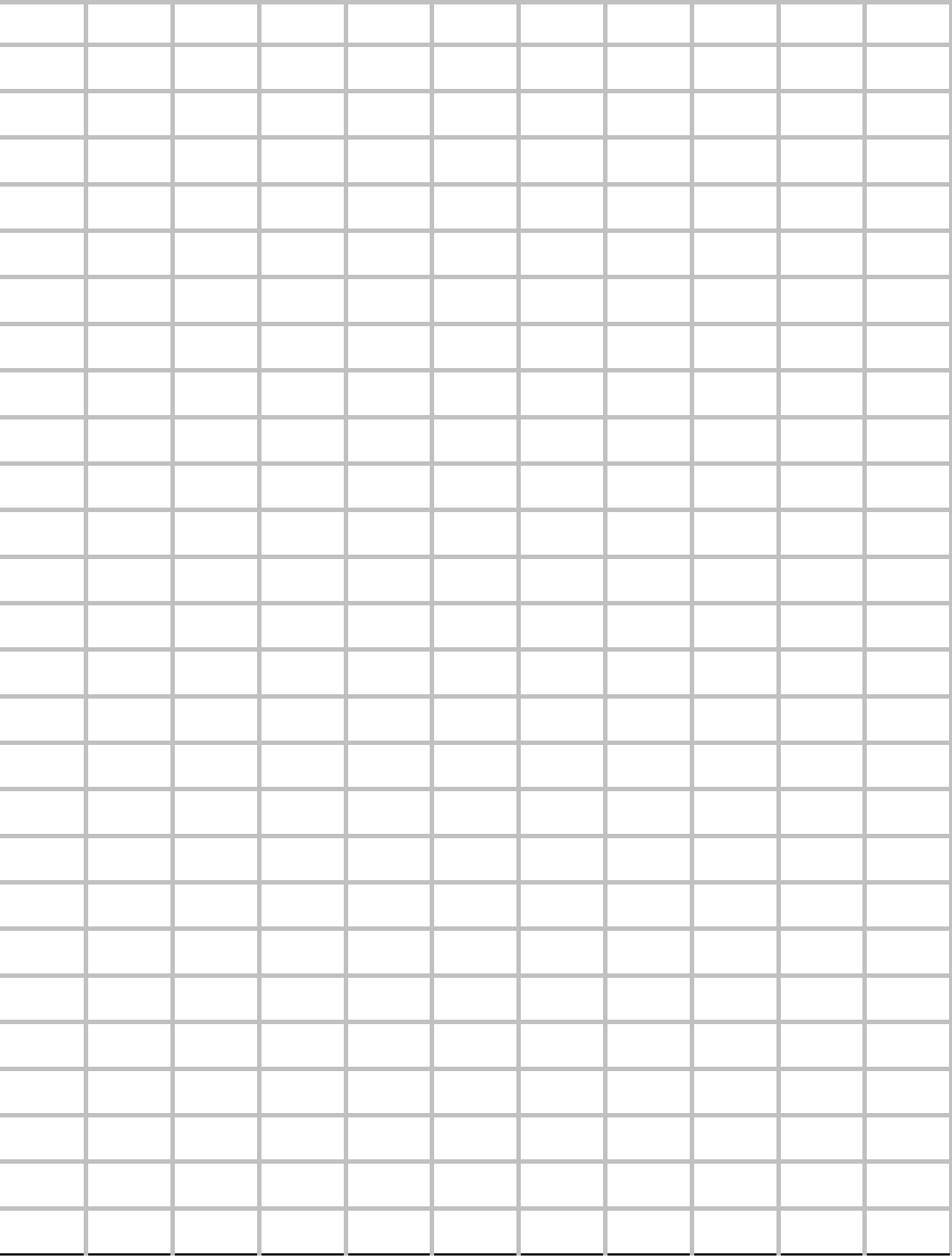
Chennai Institute of Technology, Chennai - 600 069								
Department of				Engineering				
S.NO	UNIVERSITY EXAM APRIL / NOV - 20 - 20							
	Year	Subject						
1		APPEARED						
		PASS						
		PASS%						
		STAFF						
2		Subject						
		APPEARED						
		PASS						
		PASS%						
		STAFF						
3		Subject						
		APPEARED						
		PASS						
		PASS%						
		STAFF						
4		Subject						
		APPEARED						
		PASS						
		PASS%						
		STAFF						
Overall			I	II	III	IV		Total
Pass								
% of Pass								
Arrear List			I	II	III	IV		
1 - Subject Fail								
2 - Subjects Fail								

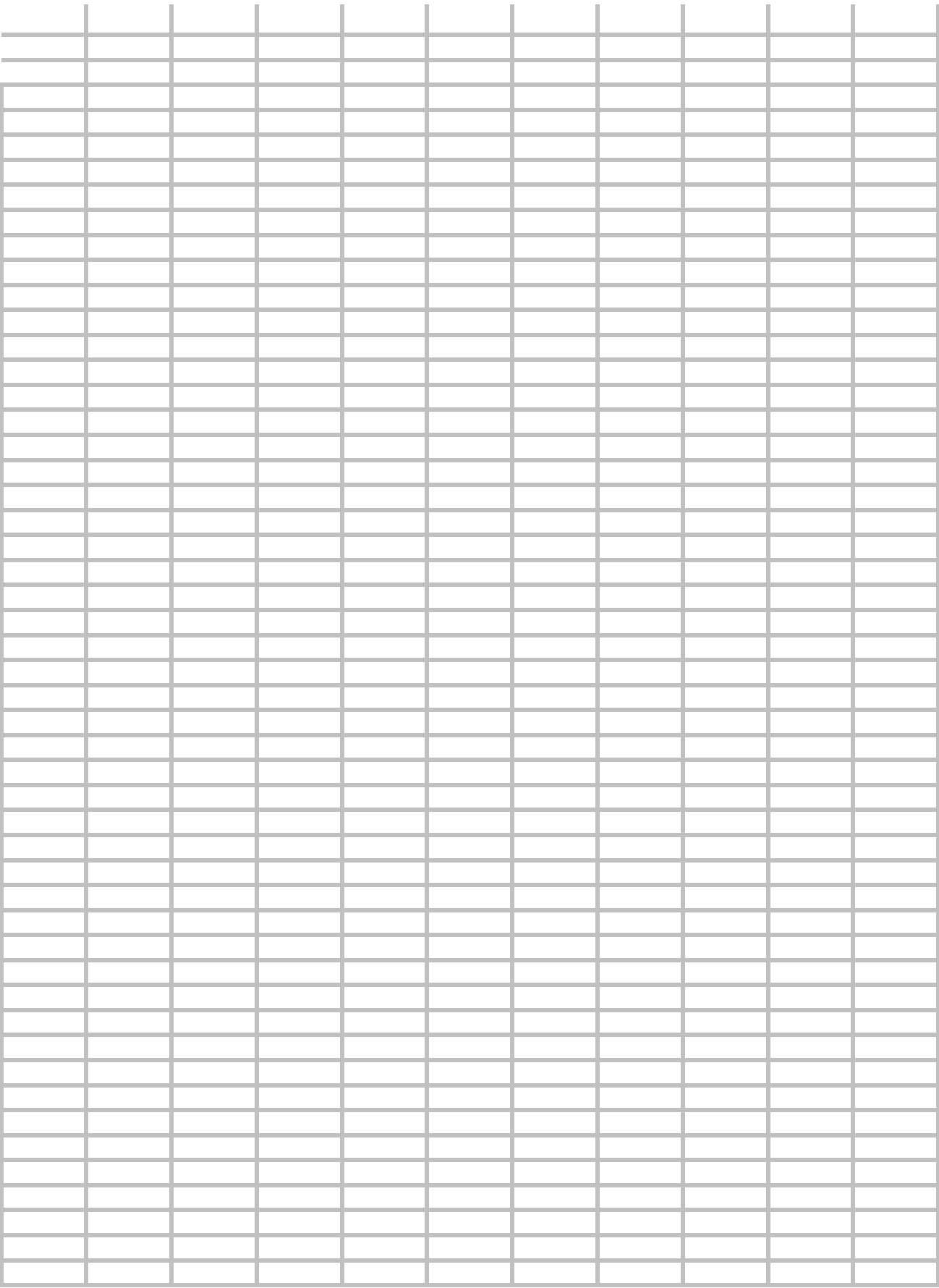


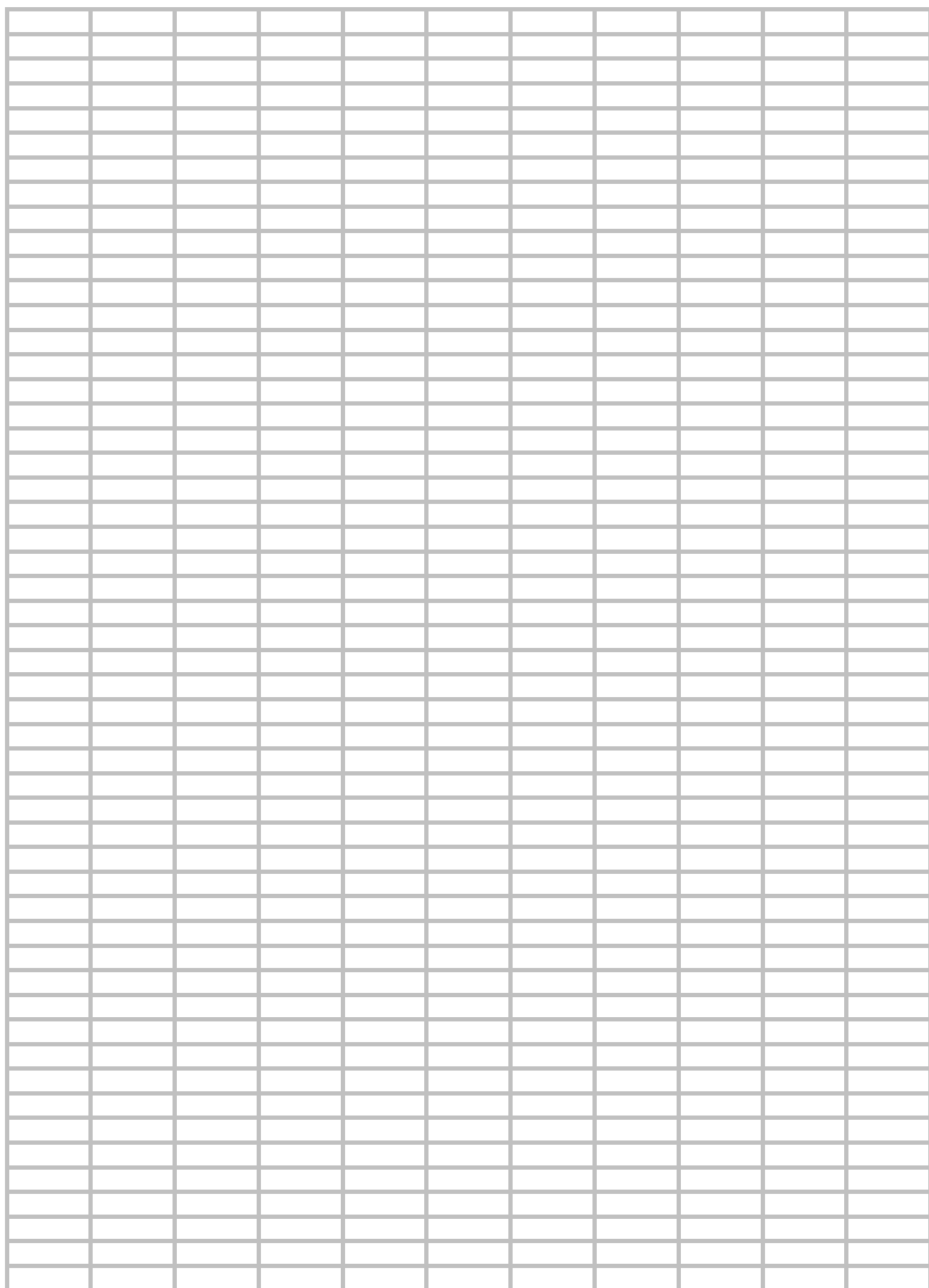


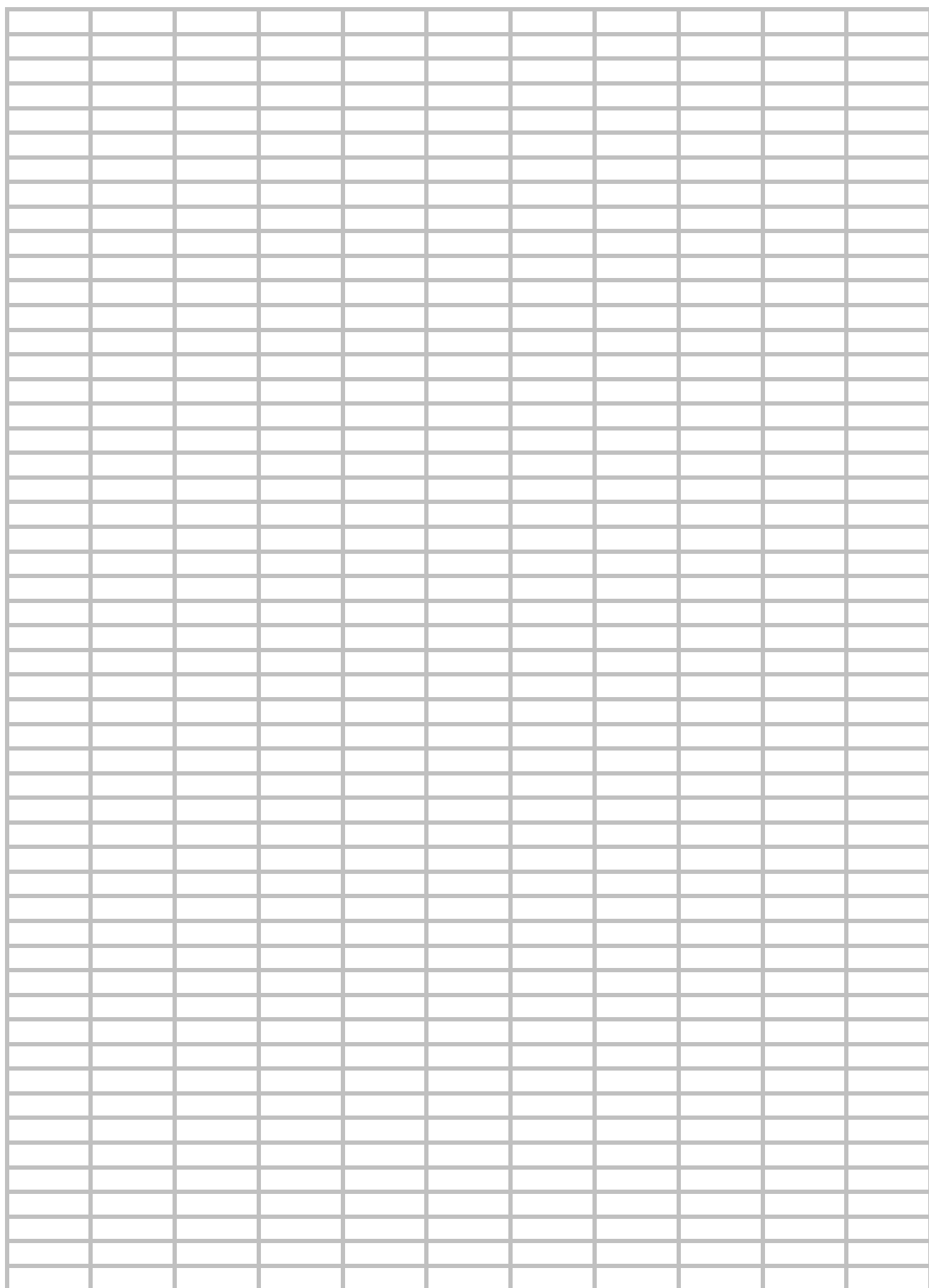


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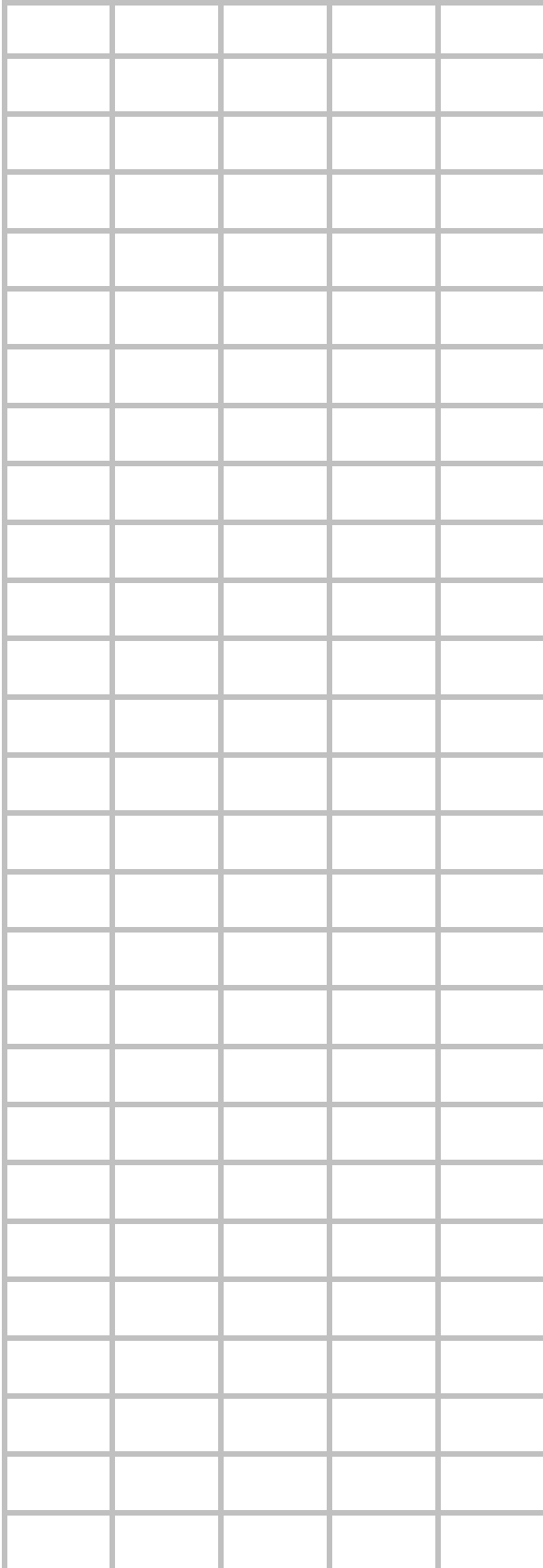












[illegible]

[illegible]

[illegible]

[illegible]

Engineering

Year: I								Section:		Pass & Pass%		
S.No	Subject Code	Subject	Staff Name	Pass		Grade						
				Stu	%	S	A	B	C	D	E	U
1												
2												
3												
4												
5												
6												
Year: II								Section:		Pass & Pass%		
S.No	Subject Code	Subject	Staff Name	Pass		Grade						
				Stu	%	S	A	B	C	D	E	U
1												
2												
3												
4												
5												
6												
Year: III								Section:		Pass & Pass%		
S.No	Subject Code	Subject	Staff Name	Pass		Grade						
				Stu	%	S	A	B	C	D	E	U
1												
2												
3												
4												
5												
6												
Year: IV								Section:		Pass & Pass%		

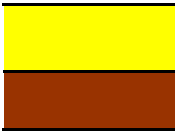
S.No	Subject Code	Subject	Staff Name	Pass		Grade						
				Stu	%	S	A	B	C	D	E	U
1												
2												
3												
4												
5	Total No. of Students Appeared											
6	Total No. of Students Passed											
7	Overall Pass %											

Prepared By

Format No.: 299

Verified by

Appro



AB	U+AB FAIL



AB	U+AB FAIL



AB	U+AB FAIL



AB	U+AB FAIL

ved By

Chennai Institute of Technology, Chennai - 600 069															
Department of								Engineering							
-- Sem / --- Yr University Result Analysis - Apr / Nov : 20 - 20															
		Credit													
Sno	Reg No	Name of the Students	Sub Code	Sub Code	Sub Code	Sub Code	Sub Code	Sub Code	Sub Code	Sub Code	Sub Code	Ct. Sem. Arr.	Tot. Arr.	GPA	CGPA
			Sub.Name	Sub.Name	Sub.Name	Sub.Name	Sub.Name	Sub.Name	Sub.Name	Sub.Name	Sub.Name				
1															
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
Absent											Appeared				
Grade U											All pass				
"S" Grade											% of Pass				
"A" Grade												1- arr			
"B" Grade												2-arr			
"C" Grade												3-arr			
"D" Grade												4-arr			
"E" Grade												5-arr			
Pass												6 -arr			
Appeared												Total			
Pass %															
Faculty Name															

Faculty I/C

HOD

Principal

Format No : 300



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0	0
180	160
C-Off	Regd
180	0
160	0
140	0
120	0
110	0
100	0
<100	0
EEE-II	0



0	0	0	0	0	0	###	###	###	###	###	###	####	###		##	###	####	###	All Pass	###	##
140	120	110	100	<100		180	160	140	120	110	100	<100	FAIL		0	0	0	0	1- arr	###	##
Pass	Pass%					####	####	####	####	####	####	####	###		Reg	Pass	Pass%		2-arr	###	##
#####	#####												###	0	###	####	#####		3-arr	###	##
#####	#####													0	###	####	#####		4-arr	###	##
#####	#####													0	###	####	#####		5-arr	###	##
#####	#####													0	###	####	#####		>5-arr	###	##
#####	#####													F	###	####	#####		Total	###	##
#####	#####													M	###	####	#####			0	0
#####	#####													EEE-II	###	####	#####				

#####	####	F	###	##
#####	####	HF	###	##
#####	####	DM	###	##

#####	####	DF	###	##
#####	####	Total	###	##



###	##	##	##	##	##		####	##	####	##	##	##	##	##	All Pass	###	###	###	###	###	###	###	###	###	###	###	##	##	###	####
###	##	##	##	##	##		0	0	0	0	0	0	0	0	1- arr	###	###	###	###	###	###	###	###	###	###	###	##	##	0	0
###	##	##	##	##	##		Regd	Pass	Pass%						2-arr	###	###	###	###	###	###	###	###	###	###	###	##	##		
###	##	##	##	##	##	HMT	#####	###	#####						3-arr	###	###	###	###	###	###	###	###	###	###	###	##	##		
###	##	##	##	##	##	HFT	#####	###	#####						4-arr	###	###	###	###	###	###	###	###	###	###	###	##	##		
###	##	##	##	##	##	DMT	#####	###	#####						5-arr	###	###	###	###	###	###	###	###	###	###	###	##	##		
###	##	##	##	##	##	DFT	#####	###	#####						>5-arr	###	###	###	###	###	###	###	###	###	###	###	##	##		
###	##	##	##	##	##	HMNT	#####	###	#####						Total	###	###	###	###	###	###	###	###	###	###	###	##	##		
0	0	0	0	0		HFNT	#####	###	#####							0	0	0	0	0	0	0	0	0	0	0	0	0	0	

###	##	##	##
###	##	##	##
###	##	##	##

Regd	Pass	T/NT	1	2	3	4	5	>5
###	###	F	###	###	###	###	###	###
###	###	HMT	###	###	###	###	###	###

###	##	##	##
###	##	##	##

###	###	HFT	###	###	###	###	###	###
###	###	DMT	###	###	###	###	###	###
###	###	DFT	###	###	###	###	###	###
###	###	HMNT	###	###	###	###	###	###
###	###	HFNT	###	###	###	###	###	###
###	###	DMNT	###	###	###	###	###	###
###	###	DFNT	###	###	###	###	###	###



#####	##	#####	##	#NAME?	#NAME?
0	0	0	0	0	0

Chennai Institute of Technology, Chennai - 600 069																										
Department of												Engineering														
Batch-IV : II Year (Sem + Sem)			University Result Analysis for the AY : 20 / 20																							
Credit											3rd sem Arr.										4th sem Arr.	Over all		CGPA		
S. No.	Reg.No.	Name of the Student	Code	Code	Code	Code	Code	Code	Code	Code		Code	Code	Code	Code	Code	Code	Code	Code	Code		Code	Code		WOB	WB
			Sub. Name	Sub. Name	Sub. Name	Sub. Name	Sub. Name	Sub. Name	Sub. Name	Sub. Name		Sub. Name	Sub. Name	Sub. Name	Sub. Name	Sub. Name	Sub. Name	Sub. Name	Sub. Name	Sub. Name		Sub. Name	Sub. Name		Sub. Name	
1																										
2																										
3																										
4																										
5																										
6																										
7																										
8																										
9																										
10																										
	Current Sem Toppers in Sem				Overall Toppers up to Sem								Current Sem Toppers in Sem							Overall Toppers up to						
	Reg.No.	Name	GPA		Reg.No.	Name	CGPA			Reg.No.	Name	GPA		Reg.No.	Name	GPA	Reg.No.	Name	CGP A							

Faculty I/C

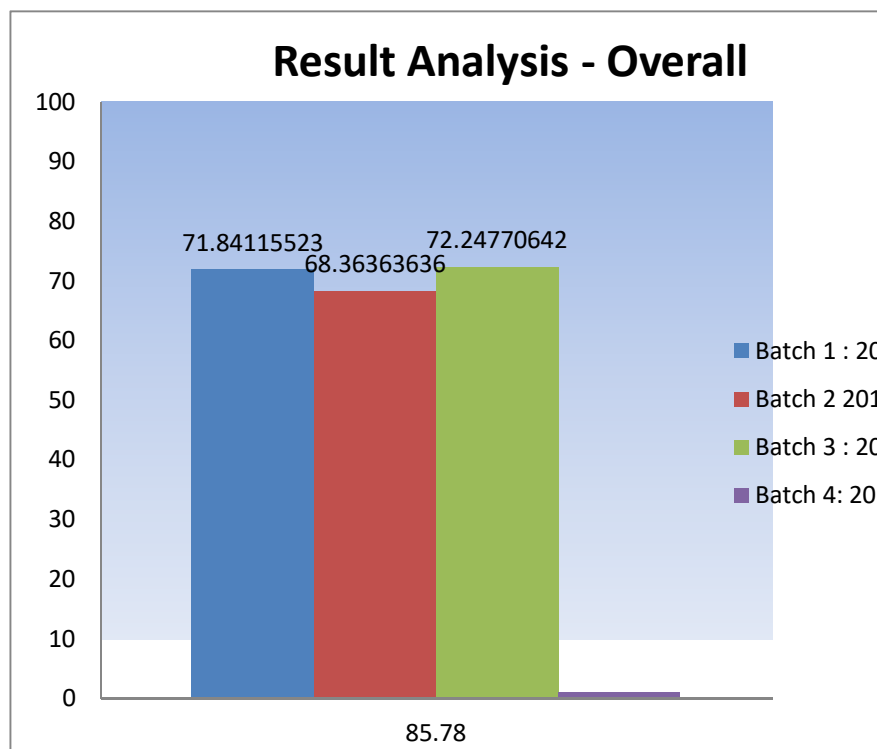
HOD

Principal

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|

Chennai Institute of Technology, Chennai															
Batchwise Result Analysis - Overall															
S.No	Branch	2010 - 2014						2011 - 2015						Total	
		Total No of Students						Total No of Students							
		Reg	Pass	%	FWD	FC	SC	Reg	Pass	%	FWD	FC	SC	Reg	Pass
1	CIVIL	60	42	70.00	0	33	9	48	34	70.83	0	29	5	62	41
2	CSE	41	24	58.54	0	24	0	41	29	70.73	0	28	1	53	37
3	ECE	60	49	81.67	0	36	13	44	27	61.36	1	25	1	90	66
4	EEE	46	31	67.39	1	14	16	24	17	70.83	0	16	1	38	24
5	MECH	70	53	75.71	0	47	6	118	81	68.64	1	76	4	193	147
6	MCT														
Grand Total		277	199	71.84	1	154	44	275	188	68.36	2	174	12	436	315



Batch :		Batch :		Ba
Starting CGPA (Rank 1)	Ending CGPA (Rank 50)	Starting CGPA (Rank 1)	Ending CGPA (Rank 50)	Starting CGPA (Rank 1)

S.No	Batch	Reg.No	Name of the Student	Rank

Format No:302

nai - 600 069									
er all									
2012 - 2016				2013 - 2017					
al No of Students				Total No of Students					
%	FWD	FC	SC	Reg	Pass	%	FWD	FC	SC
66.13	0	37	6	57	51	89.47	0	42	10
69.81	0	33	4	38	28	73.68	0	26	7
73.33	3	60	4	70	63	90.00	3	55	8
63.16	0	22	2	26	24	92.31	1	21	2
76.17	3	146	2	179	153	85.47	2	149	7
				59	49	83.05	1	46	7
					368		7	339	41
72.25	6	298	18	429	368	85.78			

010-2014

11 - 2015

012 - 2014

13 - 2017

tch :

Ending CGPA
(Rank 50)

Secured

Chennai Institute of Technology, Chennai - 600 069

Placement -Departmentwise Consolidation

S.No	Department:			
	Description	2014-15	2015-16	2016-17
1	No of the Company Visited			
2	No of eligible / registered students for placement			
3	No of Students Placed			
4	No of Muliple offers			
5	Maximum Salary Package			
6	Avg Salary Package			
7	No of Boys placed			
8	No of Girls placed			
9	Hit Ratio			
10	No. of students placed in Government Sector			

List of Industried Visited

S.No	Name of the Industries	Year	Core / Software	No of Offers
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

Supporting Douments Required

1. List of Eligible stutents industrywise

3.Offer Letter Sample

2. Eligibility Criteria industrywise

Name & Signature of CoOrdinator with date

Head of th

Format No : 304

[illegible]

Chennai Institute of Technology, Chennai - 600 069

List of MoU signed

Department :

S.No	Name of the College / University / Industry	Communication Address	State / Country	Contact Person Details with Mail id
1				
2				
3				
4				
5				
6				
7				
8				

Supporting Documents Required :

1. Copy of Communication letters/Mail

3. Proof of events organised with

2. Circular

4. Photographs

Name & Sign of Faculty Coordinator

Format No : 305

9

	Academic Year	
Date	Validity Period	Purpose
h said College/University/Industry		
Head of the Department		

Chennai Institute of Technology, Chennai - 600 069

HIGHER STUDIES							
Department :							
	2014-15		2015-16		2016-17		2017-18
	Appeared	Qualified	Appeared	Qualified	Appeared	Qualified	Appeared
GATE							
GRE							
GMAT							
CAT							
TOEFL							
IELTS							
Civil Service / Group Exams							
No of Students admitted for Higher studies							
International University							
Indian University							
Supporting Documents Required							
1. Name list yearwise		2. Score Card					
3. Admit Card		4. Allotment Order					
5. Admission letter /							
Name & Signature of Faculty Coordinator						Head of the Department	
Format No:306							

[illegible]

Chennai Institute of Technology, Chennai - 600 0

Entrepreneurship				
S.no	Details of Programme Organized	Date	Activity	Beneficiary
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
Name and Sign				

[illegible]

Chennai Institute of Technology, Chennai - 600 069

Department of -----Budget Proposal for the

Major Heading

Details

Laboratory / Department Development	Major Equipment
	Minor Equipment
	Software
	Maintenance/Calibration
	Lab Consumable
	Teaching Aids
	Furniture
Faculty / Staff Development	Seminars/Workshops/Conferences
	Summer/Winter Schools
	Organizing FDP
	Professional Society Membership
	Incentives & Rewards
	Travel
In-House Research	In house Research Activities
	Research Publication
Students Development	Paper Presentation/Quiz Etc
	Organizing Inter Dept. Events
	Organizing Inter Insti. Events
	Professional Society Memberships
	Organizing Personality Devel. Programs
	Organizing Programs on Ethics & Entrepreneurar
	Organizing Alumni Events
	Students' Incentives & Rewards
Others	Stationary
	Books and Journals for department
	Furniture's for faculty
	Repairs and maintenance
Total amount proposed by the budget for current academic year	
Amount budgeted for the previous academic year : -----	
Amount sanctioned for the previous academic year-----	
Amount unutilized in previous academic year-----	
Format no: 308	

[illegible]