

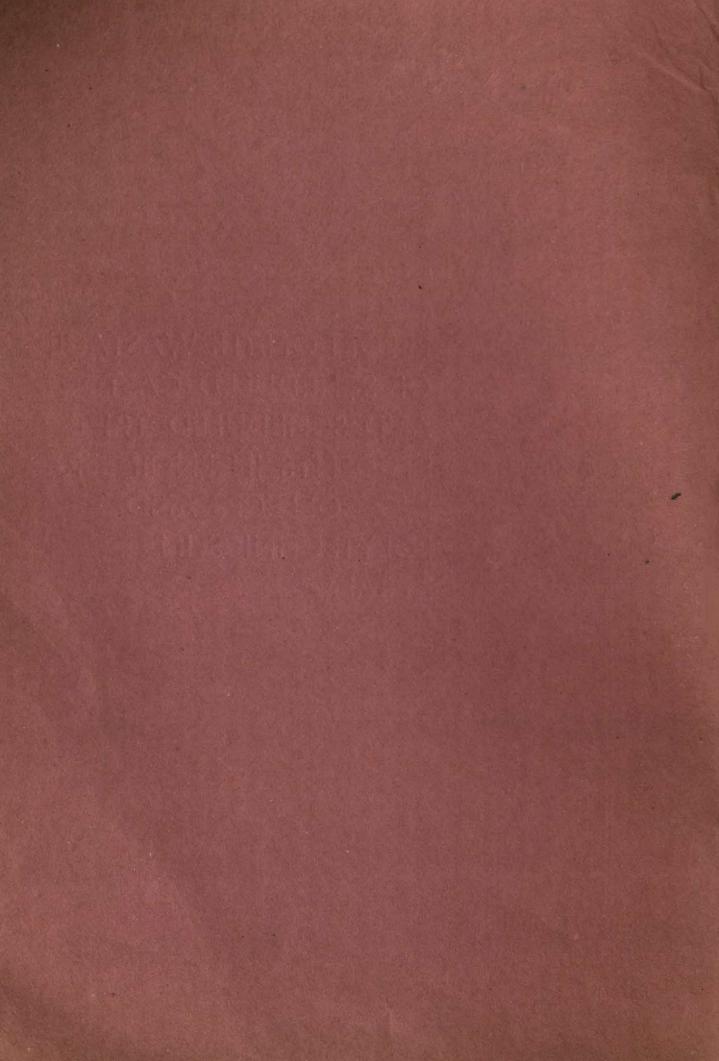
Government of Kerala

Manpower Study
Series 59

REPORT ON THE WASTAGE
OF SCHEDULED CASTE
AND SCHEDULED TRIBE
STUDENTS IN ENGINEERING COLLEGES AND
POLYTECHNICS IN
KERALA

Department of Economics and Statistics

Trivandrum



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THE WASTAGE OF

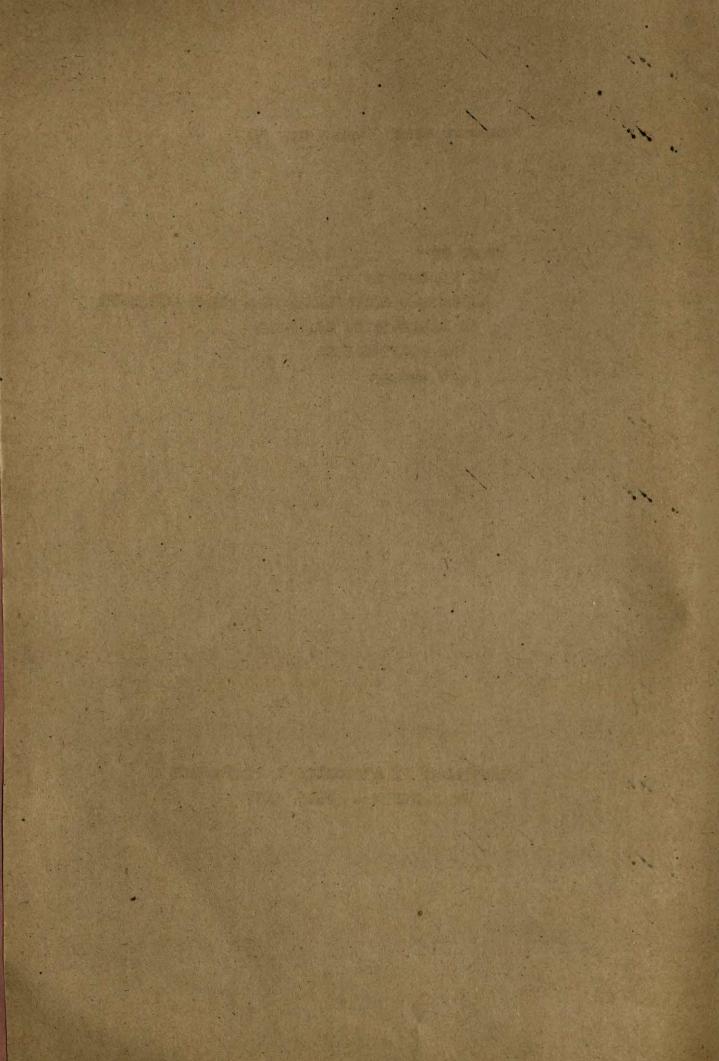
SCHEDULED CASTE/SCHEDULED TRIBE STUDENTS

IN LINGINEERING COLLEGES

AND POLYTECHNICS

IN KERALA

DEPARTMENT OF ECONOMICS & STATISTICS TRIVANDRUM - APRIL 1987



# Preface

A previous study on student wastage in technical institutions showed that there is some amount of wastage in the case of Scheduled Caste/Scheduled Tribe students also. Hence the present study was initiated to findout the extent of wastage and the reasons there of in respect of these students.

This study was conducted and report prepared by
Shri.N.Sivadasan former Manpower Officer and finalised by
Smt.P.D.Mariamma, present Manpower Officer in the Directorate
of Technical Education. It is hoped that this study will
be useful to the planners and Administrators in the field.

Tri vandrum, 7--4--1987.

K.Balakrishnan Nair Director of Economics and Statistics.

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# Study on the wastage of scheduled caste/Scheduled Tribe students in Engineering Colleges and Polytechnics

#### Introduction:

Technical education has a vital role in the modern society, which depends on fast changing technologies. Technologies with specialisation and super specialisation are emerging out. The comparatively high percentage of investment in the different sectors of education, especially higher education and technical education, reflects the anxiety of the State Government to build technical talents and to ensure adequate supply of technical and skilled manpower. But the outcome, compared to investment, is not upto the expectation at least in some respects.

The ideal situation in the field of education would be that all students should complete their courses within the stipulated period itself. But, unfortunately, such a situation does not exist in reality, due to many reasons. The report of the committee on wastage constituted by the Chairman of 'Southern Regional Committee on Education' suggested to conduct indepth studies on student wastage in technical education. An attempt in this direction has been made in an earlier study, viz. 'Indepth study on s; udent wastage in Engineering Colleges and Polytechnics in Kerala! conducted by the Manpower Officer of Technical Education Department and published by the Manpower Division of the Department of Aconomics and Statistics. Students belonging to Scheduled Caste/ scheduled Tribe, are given special concessions by way of reservation and relaxation in marks, age etc. taking into account their social and economic backwardness. In the earlier study, it was found that preliminary and final wastages of students belonging to SC/ST are much higher than that of forward communities. Preliminary wastage was cent percent in degree courses in respect of SC/S students, which shows that no student belonging to SC/ST completed the course and passed the examination in the normal course of five years. It was therefore decided to conduct a special study on the wastage of SC/ST students in Engineering Colleges and Polytechnics in Kerala with the following objectives.

#### 2. Objectives

(i) The study is mainly intended to assess the rate of dropouts and wastage of SC/ST students admitted in Engineering College (Full-time Degree Courses) and Polytechnics (Diploma Courses)

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(ii) to identify the reasons for the dropouts and wastages;

#### 3. Coverage

The study covered all the Engineering Colleges & Government Polytechnics in the state 44 students belonging to 5C/5T who were admitted during 1979-80 for degree courses from the four Engineering Colleges (2 Government Colleges and 2 Private Colleges) and 199 students from 18 Polytechnics (including 3 Women's Polytechnics and one Institute of Printing Technology) were contacted under the study.

#### 4. Methodology:

Three proformae were designed for collecting the required information. Proforma I is concerned with the numerical data on dropouts and wastage, while proforma II is a questionnaire for identifying the reasons for discontinuance of studies and proforma III, a questionnaire for assessing the reasons for the wastage.

The data required for Proforma I were collected from the Institutions selected for the study. The information required for Proforma II and III were collected directly by addressing the persons concerned. Copies of the Proforma I, II and III are appended in the annexure.

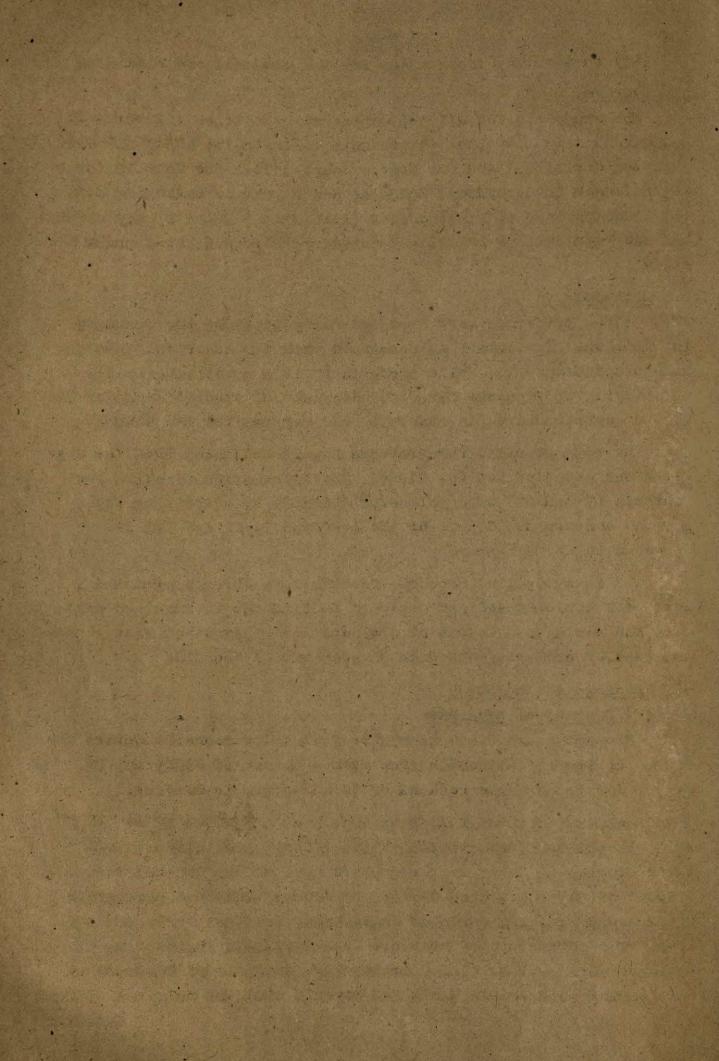
The data received from the Institutions through proforma I. have been consolidated and analysed to find out the rate of dropouts and wastages. Causes of dropouts and reasons for wastage were assessed by analysing the data in proforma II and III.

### 5. Findings of the Study

#### (i) Dropout of students

Dropout means discontinuance of study permanently during the course of study. Discontinuance from a course of study may be either due to academic reasons or to non-academic reasons.

Analysis of Table I A shows that 5 students out of 44 SC/ST students studied (constituting about 11.42%) have discontinued their studies in their degree courses against the general rate of dropout of 2.75% revealed by earlier study, while the percentage of dropouts from 2 Government Engineering Colleges works out to 7.4%. The percentage of dropouts from 2 Private Engineering Colleges works out to 17.6. Branch-wise analysis of dropouts of Engineering students in Table I-B reveals that the only one student



who joined the production Engineering course has discontinued his studies during the third year of the course. It is to point out that four out of the total 5 dropouts, taking into account all branches, have discontinued their studies during the third year. Table II-A reveals that while 13 out of 140 students from various Government Polytechnics constituting 9.3% discontinued their studies, only 4 students out of 59 students from the Private Institutions discontinued their studies. This table also reveals that in respect of Government Institutions, the maximum number of dropouts, was from women's relytechnic, Trichur. In respect of Private Institutions, the maximum drop out was from N.S.S.Polytechnic, Pandalam, ie. three out of four. It is worthwhile to note that no student belonging to Scheduled Caste/Scheduled Tribes is seen admitted in the S.N. Polytechnic, Kanhangad.

The branchwise analysis of (Table II-B) dropout of the students admitted in the various Polytechnics reveals that the maximum number of dropout was from Civil Engineering Branch followed by Mechanical and Commercial Practice. It is to be noted that 15 out of 17 dropouts discontinued their studies during the first year itself and one each during the second and third year of the Diploma course.

#### (ii) Wastage of students in Degree courses:

An attempt has been made to analyse the preliminary and final wastage of Scheduled Casto/Scheduled Tribes students from Engineering Colleges covered under the study (Table III-A Appendix). Wastage can be due to dropout and failure in Examination. Only three out of 27 students from Government Engineering Colleges and 5 out of 17 students from Trivate Engineering Colleges passed out in the normal period. It can be seen that only 8 out of 44 students, constituting 19% could pass the examination, in the normal period. The Table also reveals that preliminary wastage is about 82% and final wastage is about 57%. Institution-wise details of preliminary and final wastage have been given in the above table.

Branch-wise analysis of preliminary and final wastage of students admitted in Engineering Colleges (Table III-B) - Appendix hown that there was no wastage in Archtecture and Chemical Engineering, while it was more than fifty five percent in all the branches except in Electronics. Preliminary wastage was 60 percent and more in all branches except Architecture. Only 8 students

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(3 students from Mechanical Engineering, 2 from Electronic.
Engineering and one each from Civil, Electrical and Architecture)
have passed the examination within the stipulated period.

# (iii) Wastage in Diploma Courses

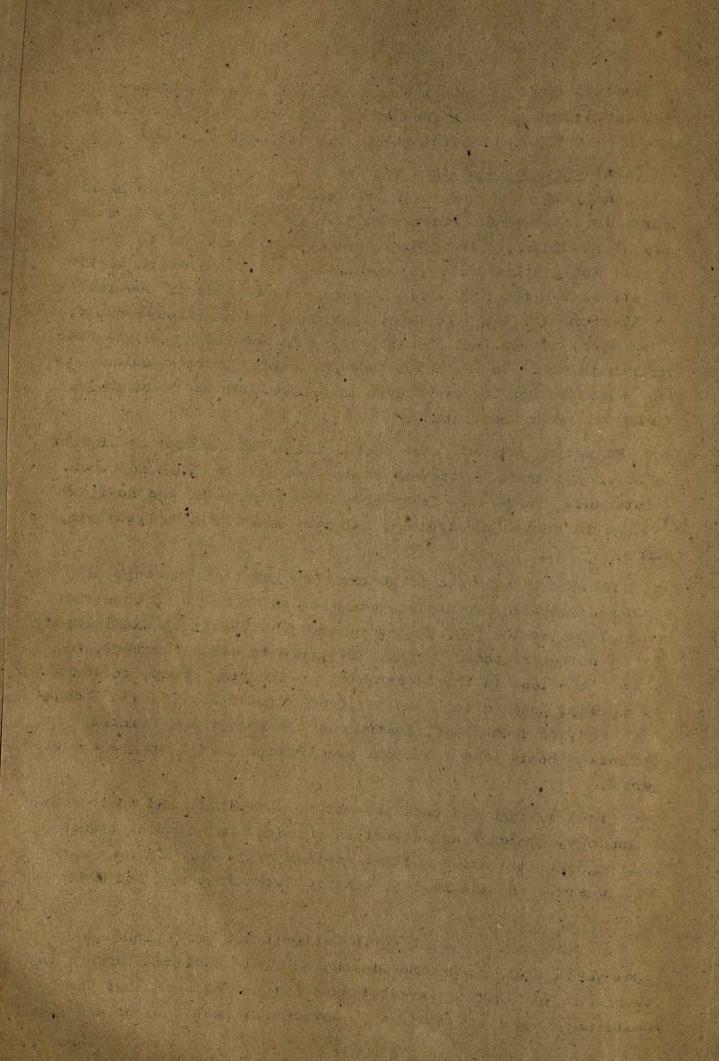
Analysis of data relating to students admitted for implousations in Polytechnics (Statement IV n of a readix) shows that only 37 students (21 from Government Institutions and 16 from Private Institutions) ie. 19% could pass the examination within the stipulated time. The final wastage in respect of Government Institutions ic. 56%. It is highest in Government Polytechnic, lalamassery (76.9%) and lowest (33.3%) in Government Polytechnic, lerinthalmanna. No scheduled Caste/Scheduled Tribe candidate is teen admitted for Diploma Course in S.N.Pelytechnic, Kanhangad during the year under study.

Regarding private polytechnic, the final wastage is highest in S.N.Polytechnic, nottiyam (81.8%) and lowest 33.3% in N.S.S. Pulytechnic, Pandalam. It is also seen that there was no final wastage in carmel polytechnic, Alleppey and S.S.M. Folytechnic, Tirm.

ranchwise analysis of preliminary and final wastage of students admitted for diploma courses (in Table IV B) show that only 37 out of 199 (18.6%) have passed out the final examination in the normal expected period. Compared to other branches, wastage was less in the Electronics Engineering group, followed by clemical Engineering. No one from Automobile, Textile Technology, Polymer Technology, Instrument technology and Printing Technology could pass the final examination in the normal expected period.

Pinal wastage was cent percent in Automibile and Instrument Technology, branches and lowest in chemical Engineering branch (50%) against the average final wastage of 51.8%. There was no final wastage in Electronics, Textile Technology and Polymer Technology.

Ar attompt has been made to estimate the preliminary and final wastage of degree and Diploma students admitted through the Government and private institutions. It can be seen that the preliminary and final wastage in Government institutions are



higher than that of private institutions. This may be due to the better maintenance of disciplime in private Institutions.

### / (iv) Causes of Wastage:

For alleviating dropout and wastage, it is unoful to note the causes of wastage. Three out of five stedents who dropped but from their degree courses have reported the following causes for their dropout. One got job, the second des to discontinue his studies due to ill-health and the trivd one could not continue since he was de-parred from writing the examination in the first Year itself.

Regarding diploma holders out of 17 drepouts contacted, only 4 have responded by recording the relevant entries in the questionnaire, while 2 students discontinued the course due to the ill-health of their parents and other demestic problems, the reasons reported by the other two are, securing of job and marriage.

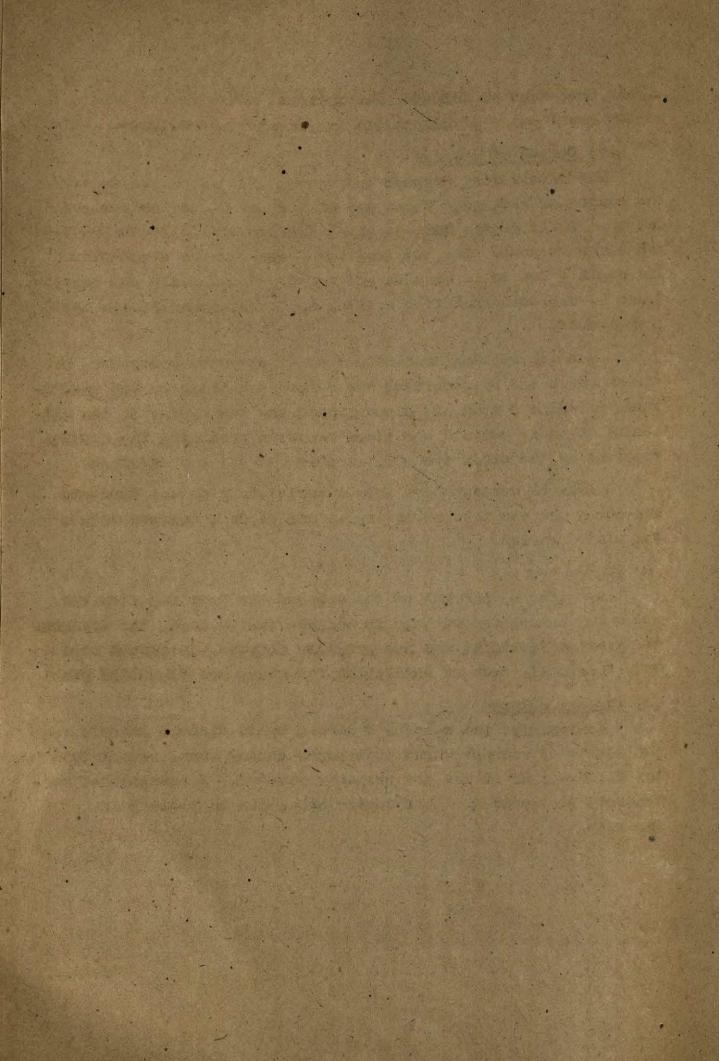
Causes of wastage have been ascertained from the students who could not complete their degree and diploma courses within the stipulated period.

## (a) Degree cou so:

More than 60 percent of the respondents have reported the following causes for wastage in Engineering College, the syllabus too mast/difficult/mit was not properly covered, questions asked were difficult, lack of facilities for study and financial problems

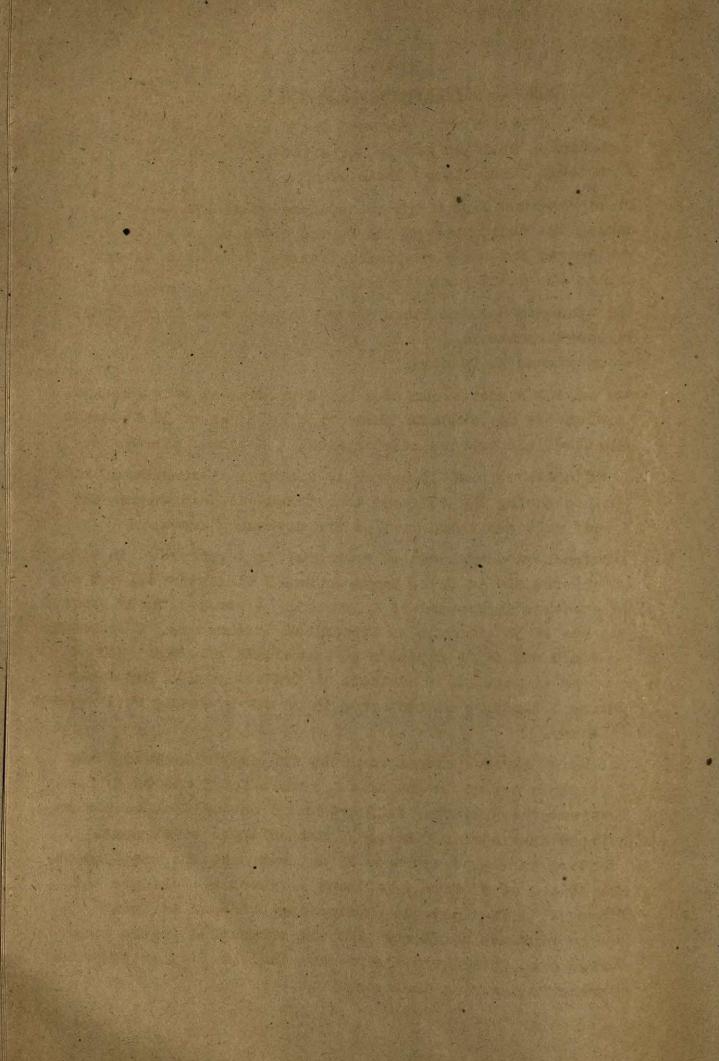
# (b) Digloma Holders

Analysis of the reasons reported by 29 diploma holders for the causes of wastage shows that major causes were, either syllabus too difficult or it was not properly covered. Percentage of respondents in layour of other causes are given in Table V in Appendix.



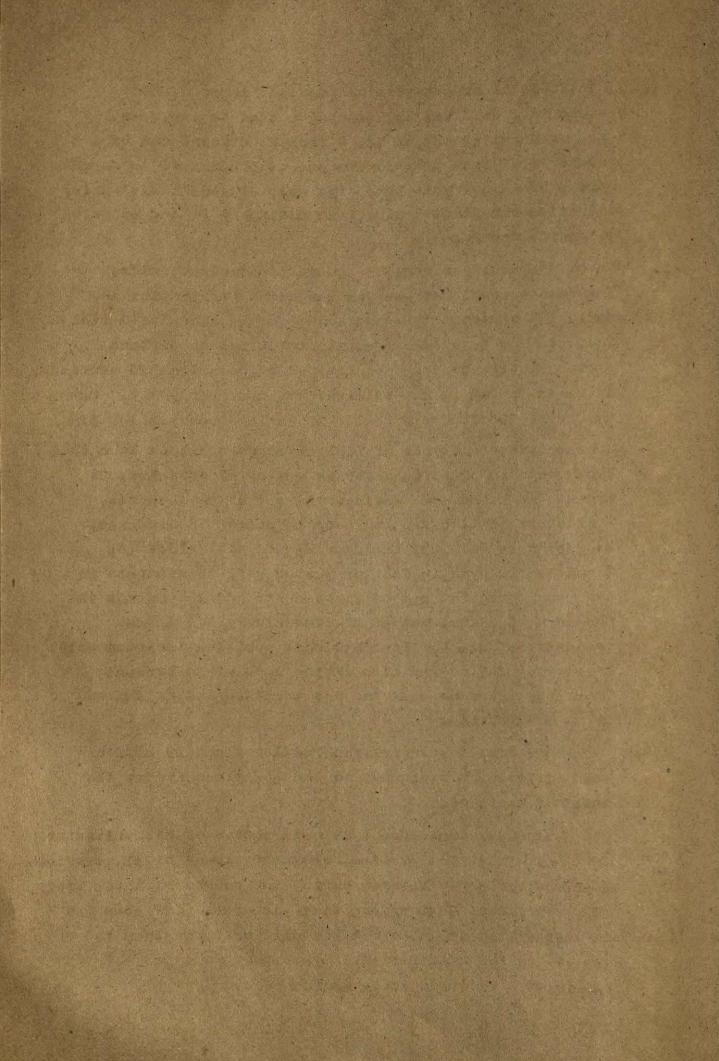
#### SUMMARY OF FINDINGS AND CONCLUSIONS

- 1. If SC/ST students were admitted for degree courses in to the students colleges during the period 1972-30. Out to the students discontinued their study.
- 2. It is observed that 4 out of five dropouts have checomical during the third year of the degree courses. The out who joined for the 'Electronics' discontinued his study during the first year itself.
- 3. 199 students were admitted for diploma courses in various 18 polytechnics in Aerala. Out of this, 17 students discontinued their study.
- 4, Out of 140 students admitted in 12 Government Folytechnics,
  13 students discontinued their studies. Out of 59 students
  admitted in 6 private polytechnics, 4 students discontinued.
- 5. It is observed that 15 out of 17 dropouts discontinued their studies during the 1st year itself and one each during the second year and third year of the diploma courses.
- of 47 students in Civil Engineering, 5 discontinued, out of 6 students in Mechanical Engineering 4 stopped their studies and out of 36 students in Electrical Engineering, 2 discontinued and out of 25 students in commercial practice (DCP) 4 sopped and out of 12 students in Costume Design and Dress making 2 students discontinued their study during their course of study.
- 7. Out of 44 SC/ST students admitted for degree courses, only students passed in the normal period ie. 3 out of 27 from Overnment Engineering Colleges and 5 out of 17 admitted in Private Engineering Colleges. Out of these 44 students in degree courses, 25 did not pass the examination, Po. 17 out of 27 from Government Engineering Colleges and out of 17 from private Engineering Colleges ie. nearly 6% of students could not come out successful in the examination from Government Engineering Colleges, while 47% from private Engineering Colleges, while 47% from private Engineering Colleges.



- 8. On analysis of branch-wise wastage; it is seen that,
  9 students from Civil Engineering out of 14 students,
  8 from Mechanical out of 12, 8 from Electrical out of
  9 students, 2 from Electronics out of 5 admitted in degree tourses could not pass out. The only student admitted for production-cum-plant Engineering miscrably failed to pass the degree course.
- 9. Out of 140 students admitted in various relytechnics,
  77 students could not pass in the final examination is.
  nearly 55% of students could not come out successful till
  date. Out of 59 students admitted in various diploma
  tourses in private Polytechnics, it is seen that 26 students
  alserably failed in the examination, is nearly 44%. On
  the whole, 103 students failed in diploma courses is 52%.
- 10. Of branch-wise analysis of Diploma courses, it is seen that 2 students in Civil Engineering out of 47 students, 28 sudents in Mechanical Engineering out of 56 students, 1 students in Electric Engineering out of 36 students, 2 students in Chemical Engineering out of 3 students, 2 students in printing out of 3 students, 16 students in Cohercial practice out of 25 students and 7 students in Cosume design etc. out of 12 students failed in the examination. All the four students admitted in Automobile engineering failed and also in the case of Instrument Technology where as only one was admitted and he failed in the examination.
  - 11. students from the Engineering colleges and 29 students from polytechnics responded to the questionnaire on the auses of wastages.

7 students explained that main causes of discontinuance are either financial problems or the systaous of the curricular is not properly covered during the course of their study. This is students have opined that either the syllabus was too vast or the syllabus was too difficult for them to complete in the examination. Hence they found it very difficult to continue their course of study.



22 students from polytechnics were of the opinion that the syllabus was too difficult and 21 students pointed out that syllabus was not properly covered during the stipulated period.

17 students explained that the main causes for the drop outs were either the questions asked were difficult or there were lack of facilities for their study. 16 students were of opinion that the syllabus for the course of study was too vast and 15 students high lighted the financial problems for their discontinuance.

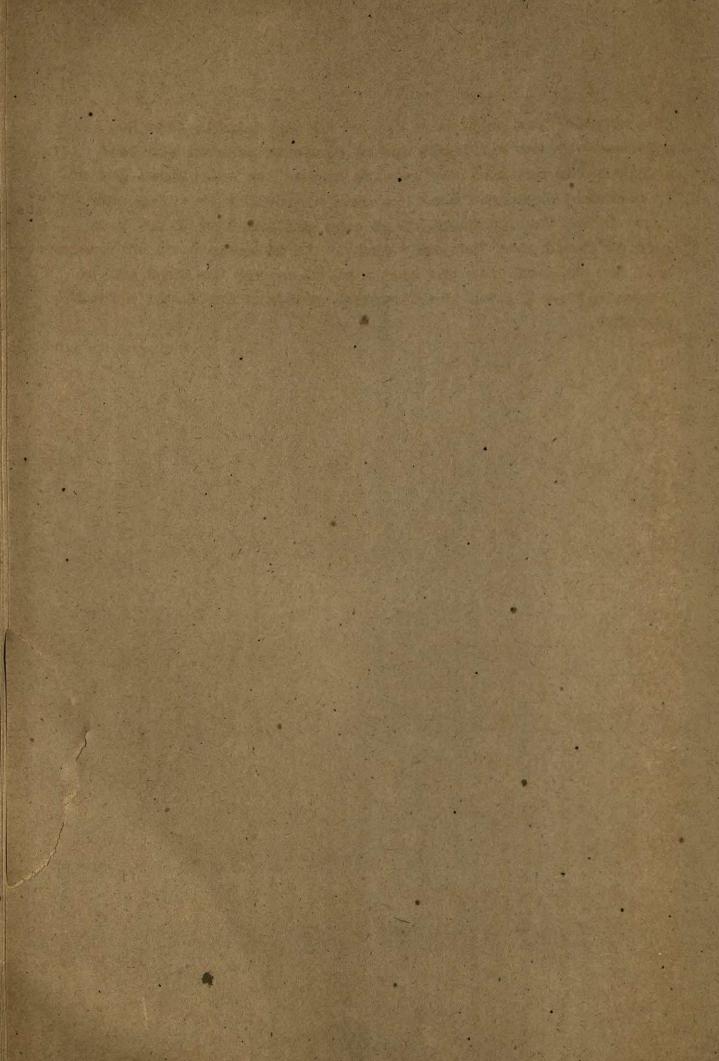


Table I.A. Statement showing the number and rate of dropout of SC/ST students admitted in four Engineering Colleges for Degree course, 1979-80.

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		The state of the state of the state of	Description of the second
Name of Engineering College	No. of SC/ST admitted for degree course.	No.of dropout	Percentage of dropouts
1	2	3	4
Government:			
1. Engineering College, Trivandrum.	. 20	-1	5.0
2. Engineering College, Trichur.	<b>7</b>	. 1	14.3
Total - Government:	27	2	7.4
Private:			
1. T.K.M.College of Engineering, Quilon	11	2	18.2
2. N.S.S.College of Engineering, Palghat	. 6	1	16.7
Total - Private	17	3	17.6
Grand Total	44	5	11.4
		WHEN THE REAL PROPERTY AND PERSONS ASSESSED.	THE RESERVE OF THE PARTY OF THE

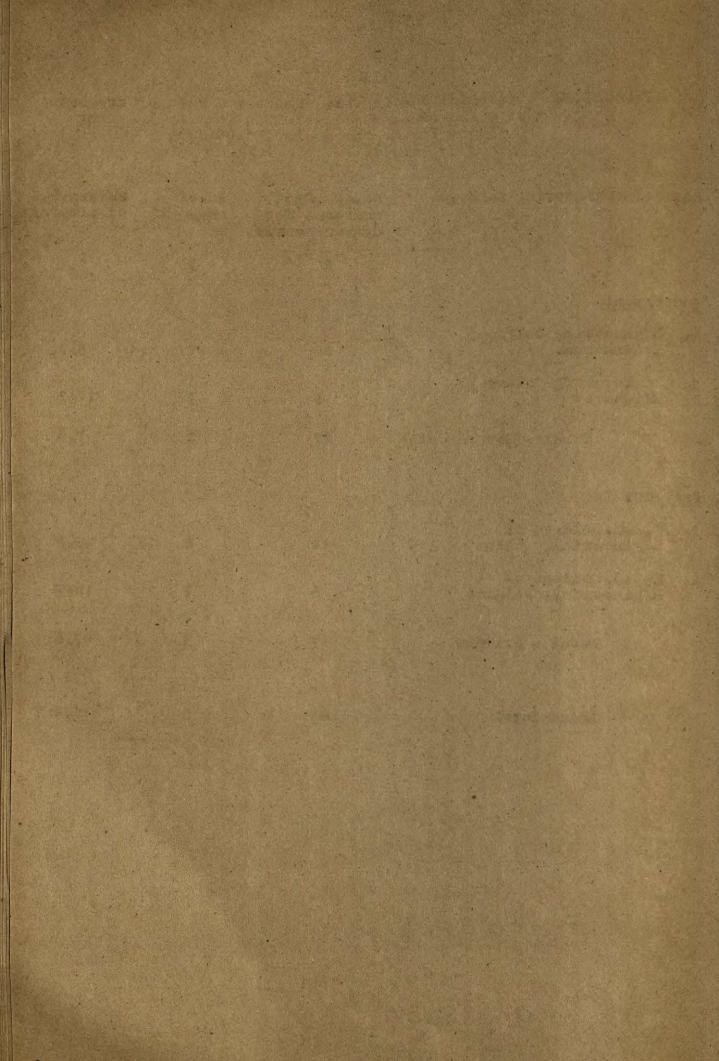


Table I.B. Statement showing the branch-wise and year-wise number and rate of dropouts of SC/ST students in Engineering Colleges.

Bra	nches	No.of SC/ST admitted.	No 1st year	of dr 2nd year	opouts 3rd year	(year- 4th year	wise) Total	Percentage of drop-outs
	1	2	3	4	5	6	7	8
1.	Civil Engineering	14		-	1	-	1	7.1
2.	Mochanical	12		-	1	-	1	8.3
3.	Electrical Engineering	9	-		1		1	11,1
4.	Electronics	5	1	-	-	-	1	20.0
5.	Architecture Engineering	1.	÷	-	1.	, -	-	
6.	Chemical Engineering	2	<del>-</del>	•		-	-	-
7.	Production Engineering	1		-	1	-	1	100.00
	Total:	44	1	-	4		5	11.4

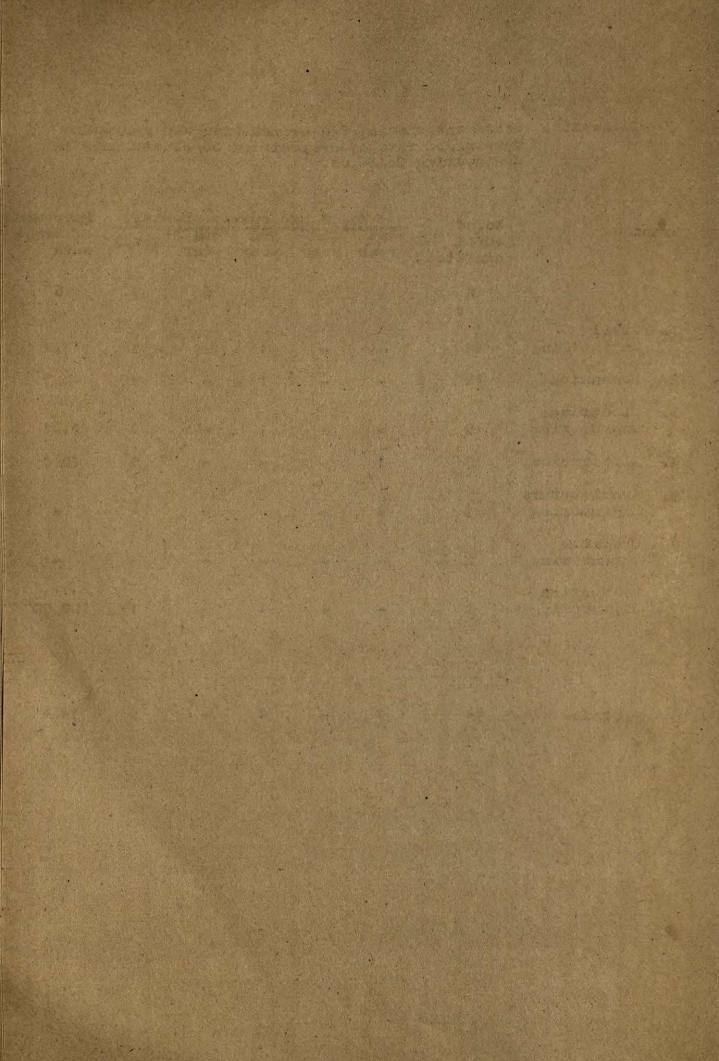


Table II.A. Statement. showing the number and rate of dropout of SC/ST students admitted in Polytechnics.

Name of Polytechnics with Management	No.of SC/ST admitted	No. of dropout	Percentage of dropout
Government:			
1. Central Polytecanic, Trivandrum.	17		•••
2. Govt. Polytechnic, Mottayam	14	3	21.4
3. Govt. Polytechnic, Kalamassory	13	1	7.7
4. Maharaja's Tochnological Institute, Trichur.	17	1	5.9
5. S.R.Polytechnic, Valapad	5	••	
6. Gowt. Polytechnic, Perinthalmanna	6	•••	•
7. Kerala Govt. Polytechnic, Calicut	26		
8. Govt. Polytechnic, Cannanore	3	2	66.7
9. Institute of Printing Technology, Shoranur	3		••
10. Women's Polytechnic, Trivandrum	21		••
11. Women's Polytechnic, Trichur	11	5	45.5
12. Women's Polytechnic, Calicut	4	1	25.0
Total: Government	140	13	9.3
Private:			
13. S.N.Polytechnic, Kottiyam	22		
14. N.S.S.Polytechnic, Pandalam	12	3	25.0
15. Carmel Polytechnic, Alleppey	9		•
16. S.S.M. Polytechnic, Tirur	9		
17. Taiyagarajar Polytechnic, Alagappanagar	7	1	14.30
18. S.N.Polytechnic, Kanhangad		••	
Total - Frivate:	59	4	6.8
Total of Govt. & Private	199	17	8.5

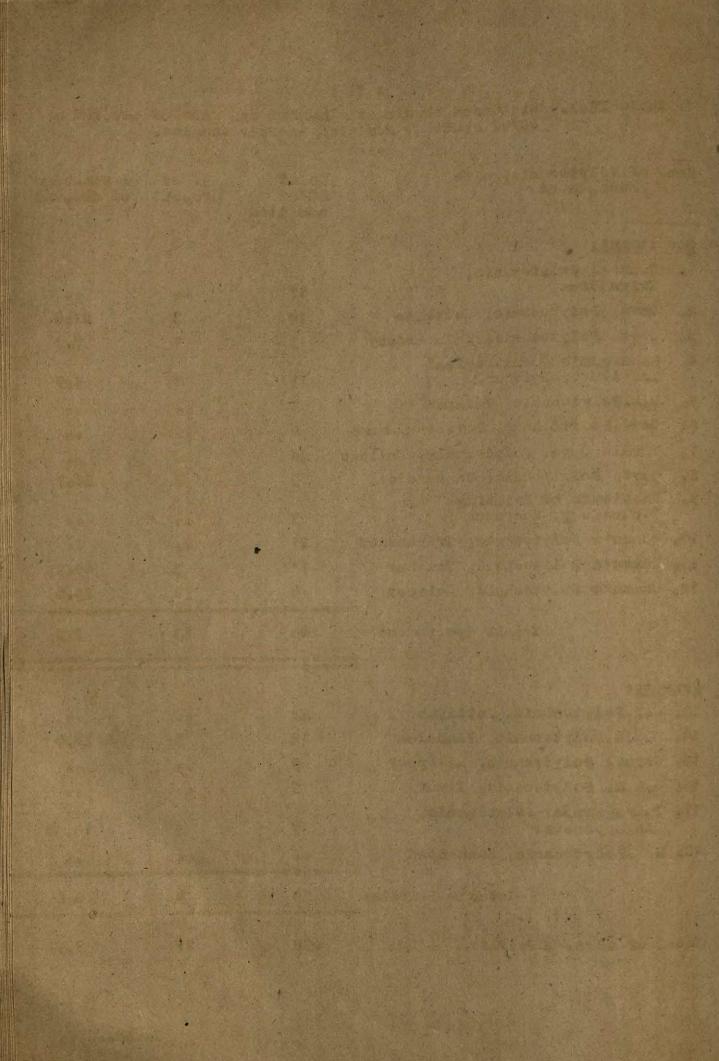
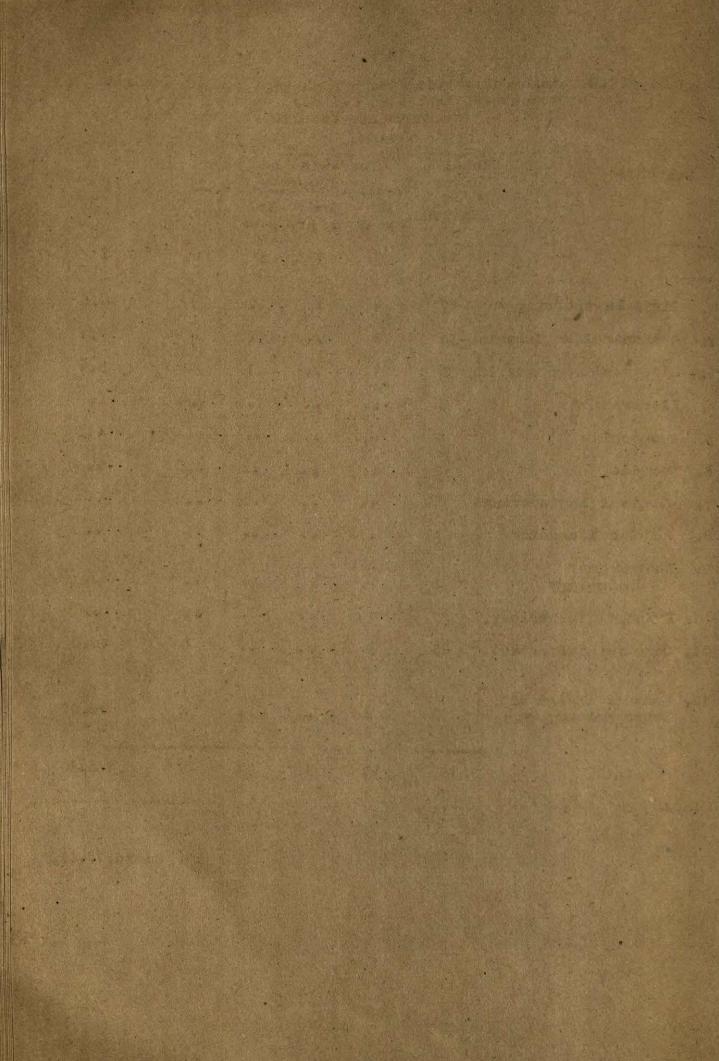


Table II.B. Statement showing the branch-wise number and rate of dropouts of Scheduled Castes/Scheduled Trites students admitted in Polytechnics

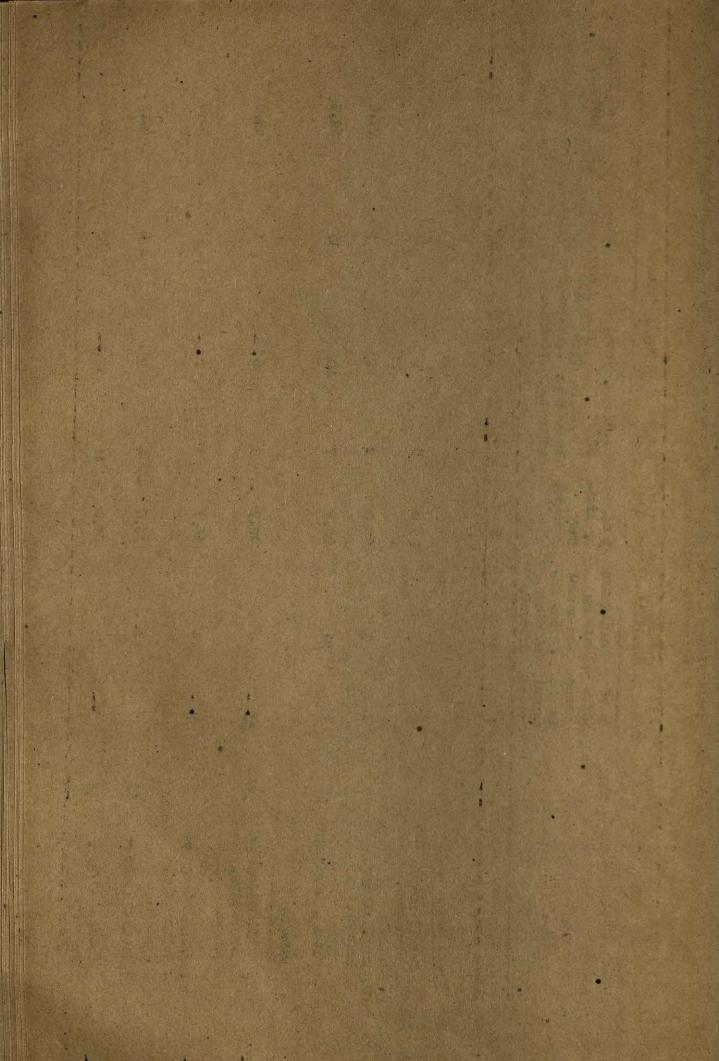
	Total Number of		dropet	fileent (		
	SG/ST Admitted.	1st year	2nd year	3rd year	Total	
	2	3	4	5	6	7
1. Civil Engineering	47	. 4	1	••	5	10.6
1. Civil Engineering 2. Mechanical Engineer	ing 56	4	••		4	7.1
3. Electrical Engineer		1		,1	. 2	5.6
4. Electronics	8				•	
5, Automobile	4					
6. Textile	2	•				
7. Chemical Engineering	ng 4					
8. Falymer Technology	. 1		••	•		
9. Instrument Tennology	1	••		•		•
10. Frinting Technolog	y 3	١				
11. Commercial Practic		4		••	4	16.0
12. Costume design and Dress Making	l 12	2			2	16.07
Total	199	15	, 1		1 17	8.50

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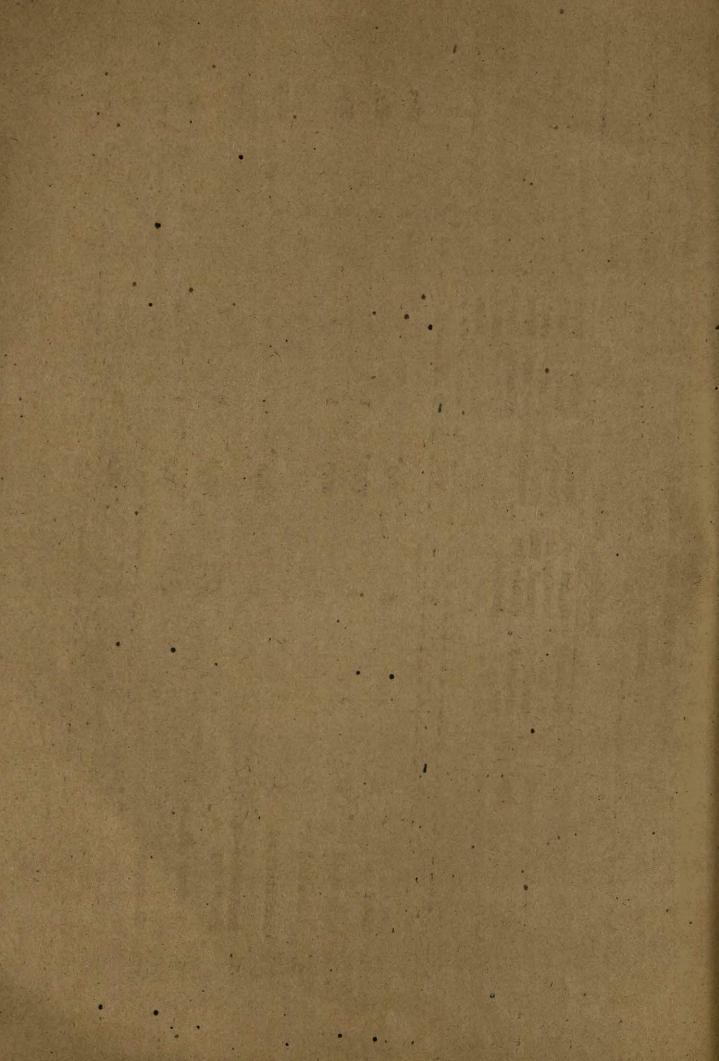


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	27	77	24	6*88	7	10	17	62.9
Private and Molloge of	•	33	• 8	72.7	3	9	5	45.5
	. 9	8	4		-	5	٠	50.0
A. N.S.S. Control ingineering. Palghate.	17	5	12	9.07	4	6	<b>S</b>	47.1
Total - Govt. &	; 3	¢5	. 36	81.8	11	19	25	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Private		1 1 1 1						

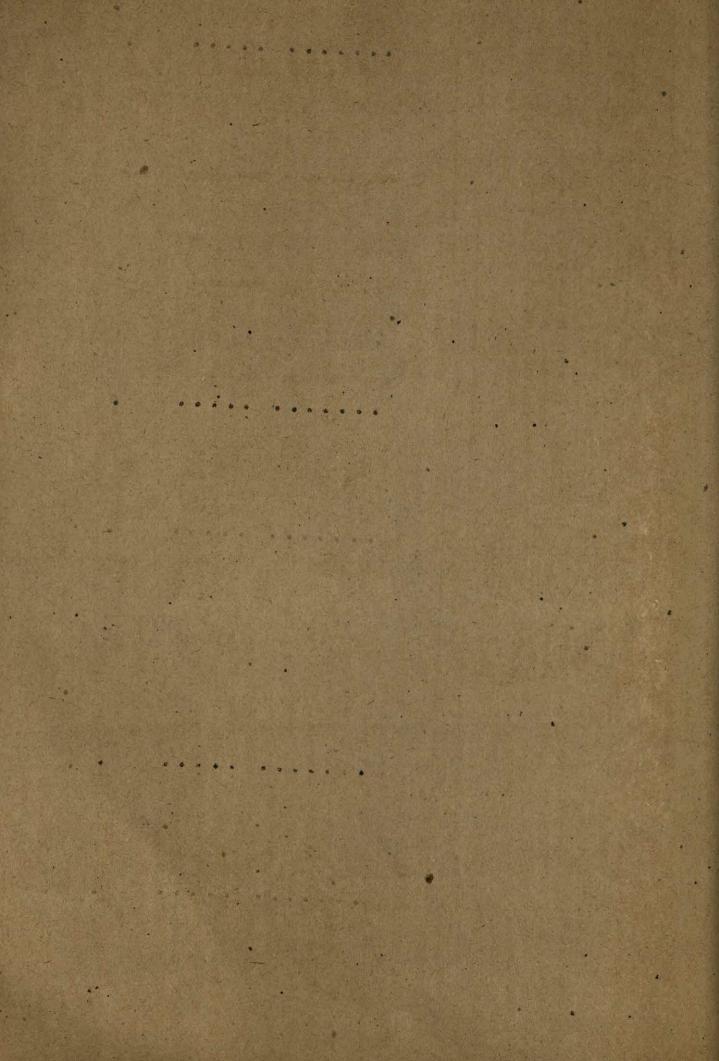


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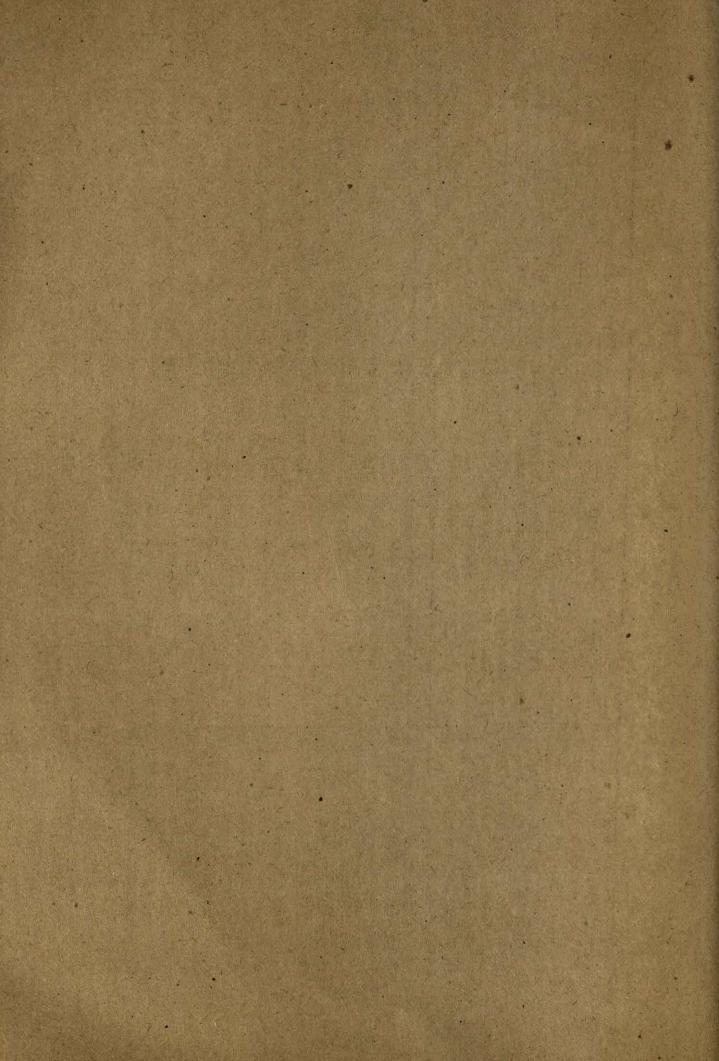
12010 77.A. Statement showing the Institution-wise preliminary and final wastage of SC/ST Students admitted for Diploma Course in Polytechnics.

	Rate of final wastage	O.	52°9 35.7 76°9 58°8 60°6 33.3 42.3 42.3 45.5 50.0	55.0
Final wastage	No. did not pats in the finel exam. including drop outs.	. 8	10 10 10 10 10 10 10 10 10 10 10 10 10 1	
Fina	Total No. presed in- cluding those pas- sed in 1st attempt	7	SOULUAN HUDOU	63
	No.of Sc/sr. passed in the subse- quent attempt	9	. BBWN448 14441	42
ge	Rate of % of pro- liminary wastage.	5	100.0 100.0 100.0 100.0 100.0 13.1 50.0 50.0	85.0
nary wastage	No. did not pass in the ' normal expected period [Ist at-	4	. 71444 6 220 220 220 220 220 220 220 220 220 22	119
Frelimin	No.oof SC/ST passed in the normal period (Ist attempt)	3	141/410/2 41444	21
	No.of FC/ST admitte	2 .	12 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	140
	th Management.	x-1	Government Gentral polytech, Kottayem 19 Gove, Polytech, Kottayem 19 Gove, Polytech, Kalamassary13 M.T.I. Trichum S.R.P. Valapad Govt.Polytech, Cannanore 3 Govt.Polytech. Cannanore 3 I.P.T. Shornur Nomen's Poly Trivandrum 21	Tôtal Govt.

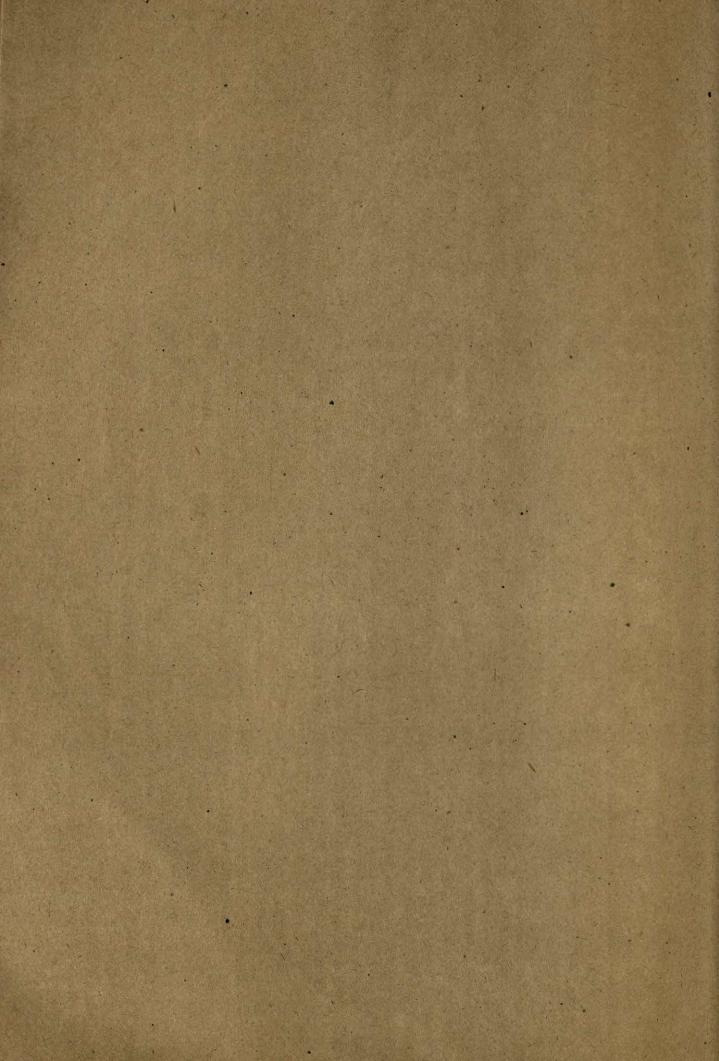


eteteront showing the Branch-wise preliminary and Final Wastage of SC/ST Students admitted for Diploma Course in Polytechnics TELLIN: TOB.

	.1 0.ge												
	Rate of % of final wastage	6	.51.6	50°6	53.8		1	100.0	50.0	100.0	66.7	58.3	51.8
26	No of SO/ST did not poss in the final Exemina-tion in-tion in-	. 8	24	28	19		1	4-	o' i	1	162		103
Finel Westage	Total Nos. possed in the stirst and sub- sequent sequent	7	25	28	17		8	10	" W ←	•	.9	٦.	96
F1	No. of passed in sub- sequent attempts	9	16	.15	10		4	101			1	. 2	59
	Rete of % preli- minary wastage	- 5	85.1	76.8	. 9008		20.0	100.0	100.0	100.0	100.0	75.0	81.4
Wastage	No.did not poss the finel bxa- minction in the normal period in- cluding drop-out	4	40	43	29		4	40	3.		23	6	162
Freliminary Wa	No. of presed in the finel Exemine: tion in the normel expecte period	3	7	13	7		4	11	/ - 1		1 2	3	3.7
Fro	No. of course	2	4.7	56	. 26		311-	÷	4-	•	7: 3	5/2/2019	199
	Branch				3. blectrical Engineering.	4 Electronics	Engineering. 5. Automobiles Engineer-		Engineering. 8. Polymer Technology.		10. Printing Technology:		.Total



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	2	3	7	5	9			
					i.			
Private Polytophnia		\ \ \		,		*	Ç	0.40
3.11.Polytechnic,	22	-	12	95.5	ري د	4	<u>a</u>	. 0.10
14. N.S. S.Polytoelmis.	. 12	4	8	2.99	4	ස	<b>*</b>	33.3
Fondalon. Carrel Polytechnic,	6	4	7	55.6	٦,	6	•	:· ·
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Kannagau. notal - Private	.59.	16	15	72.9	17	53	52	मृ•मृन
Total - Govt. & Private	199	57	162	81.4	59	96	103	51.8
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		Ante of final satesw	1.1	55.0 44.4 52.3
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admitted in types of	Polytechni	No.of SC/ST did not pass the final exam. so far (final was-	6	26 103
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of SC/ST bolytechn t.		standers TS\SS 10.0N smolate Tolos 10.0N smolate Tolos 100 mbs		140 59 199
and and		Rate of (%) final of salanw	9	62.9 47.1 86.8
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statement sho Engine crin	angin cering Co	o.of SC/ST did not see the final Exam. o far including top outs (Final was-	4	77 88 85
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Table:	A STATE OF THE STA	bottings TS\SS to.c n' sermot cerged re segsific gnineerign	J	ent tions. 27 tions. 17
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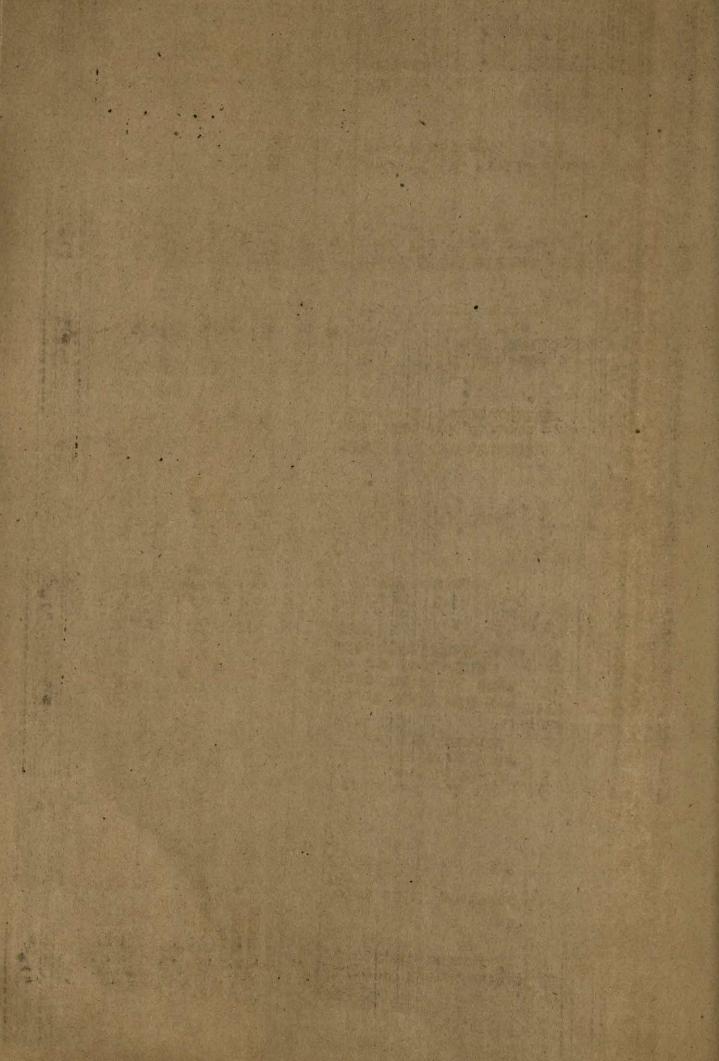
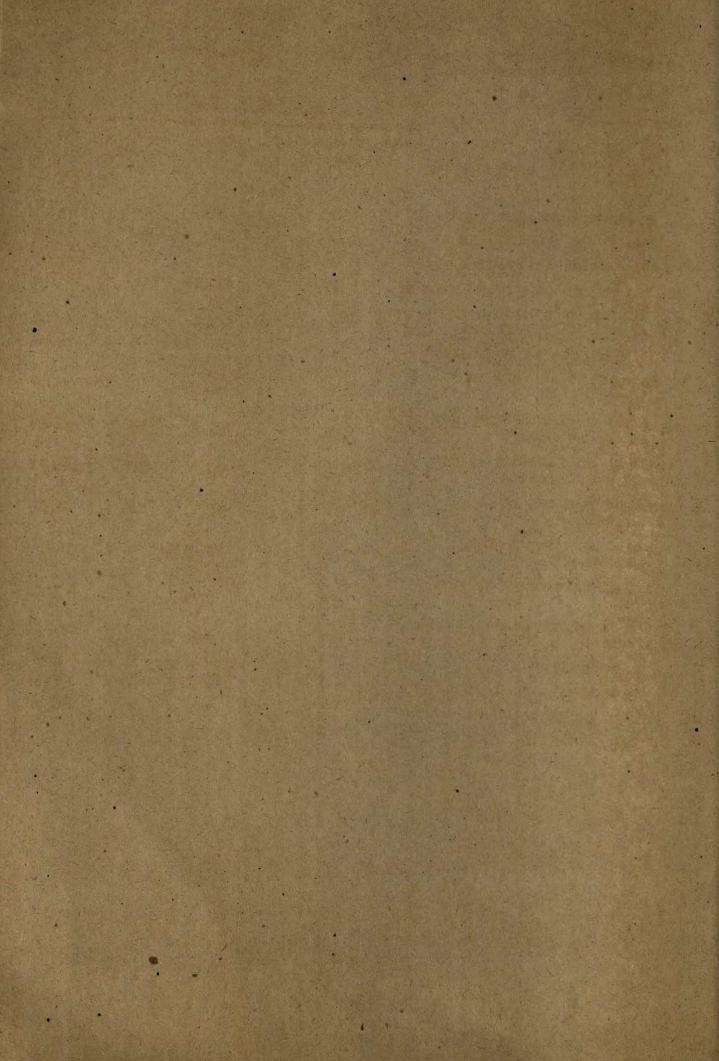


Table V. Causes of wastage in Engineering Colleges and Polytechnics.

	causes	Engineering Col	leges -	Polytec	du o
		No. responded (yes)	%	No.res	γ̈́o
1.	a. Syllabus was too vast	6	75 .	16	55.17
	b. " difficult ,	6	75	22	75.86 .
2.	Subjects not interesting	4	50	6	20.68
3.	Syllabus not properly covere	d 7	87.5	21	72.41
4.	a. questions asked were	.5	62.5	17	58.62
	b. " out of syllabus		-	5	17.24
5.	Absonces in classes for too many days	1	12.5	5	17.24
6.	a. lack of facilities for study at homes!	5	65.5	17	58.62
•	b. lack of facilities for study at hostel	2	25	10 _	34.37
7.	lack of proper lab.	4	-50	8 .	27.58
	b. lack of proper lab. training	1 . 1	12.5	10	34.37
8.	lack of interest for the course			7	24.13
	b. lack of aptitude for the course			7	24.13
9.	a. ill health	2	. 25	10	34.37
JE V	b. Financial problems	7	87.5	15	51.72
10.	General negligence in study			6	20.68
11	Other reasons				



PROFORMA

DEPARTMENT OF TECHNICAL EDICATION	STUDY ON WASTAGE OF SC/ST. STITDENTS	3. Duration of Course:	4. Branch of Course.	The state of the s
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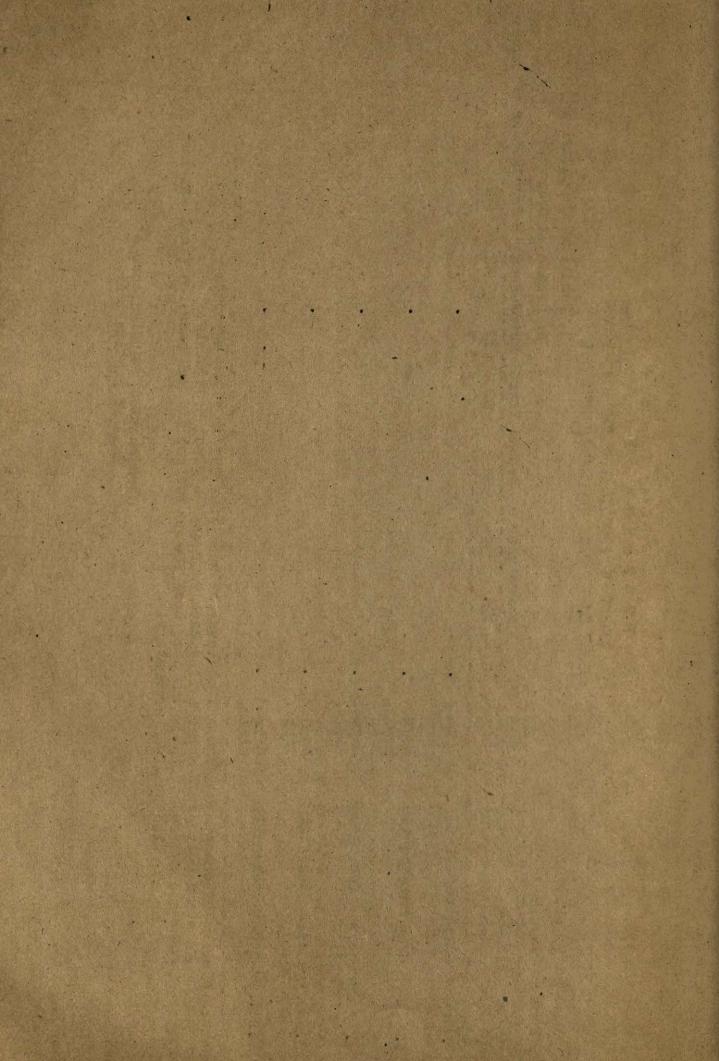
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so far may also be given separately.

Designation and Signature of Heal of Institution.



### PROFORMAII

## DEPARTMENT OF TECHNICAL EDUCATION STUDY ON WASTAGE OF SC/ST STUDENTS QUESTIONNAIRE ON DROP OUT

- 1. Name & address
- 2. Year of discontinuous

First year/Second year/Third year/ Fourth year

3. Whether passed any annual examination before discontinuance

Yea/No

4. Reason for discontinuing studies.

Lack of interest/domestic reasons, joined other course/got employ-ment/difficulties in adjusting college atmosphere/tough syllabus repeated failure in examination/other reason (specify)

Delete whichever in applicable

Signature:

Name :

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## PROFORMA III

# DEPARTMENT OF TECHNICAL EDUCATION STUDY ON WASTAGE OF SC/ST STUDENTS QUESTIONNAIRE ON WASTAGE

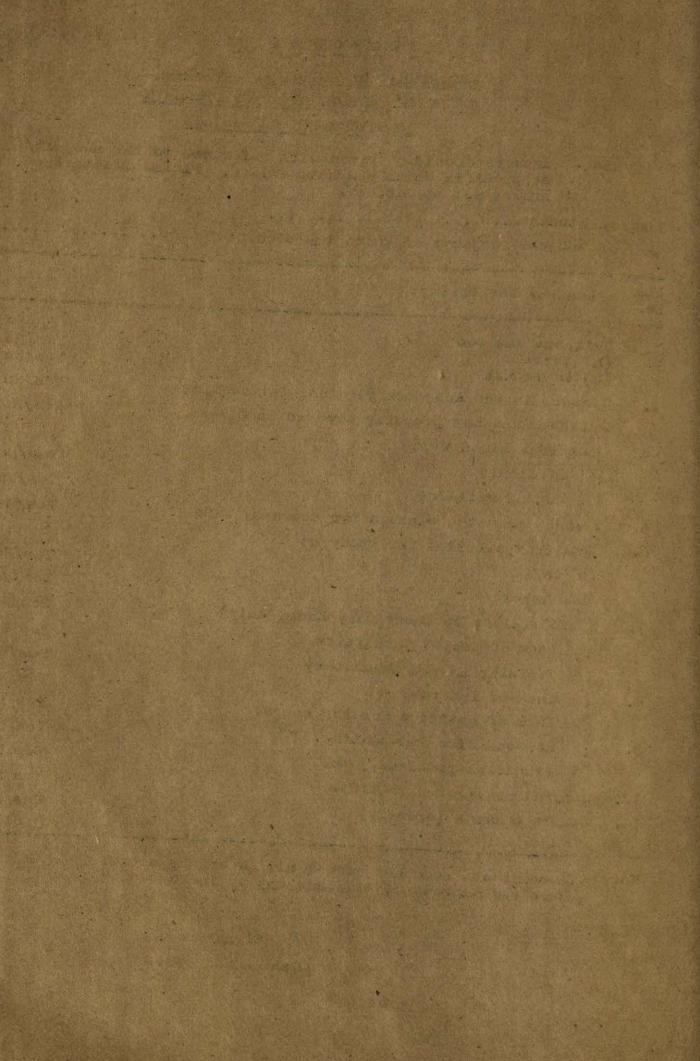
Note: - Answers should be given with reference to the subject/ subjects in which you have failed. Please delete the answer not applicable.

Name Name	of Student	
S1. No.	Reasons for failure	
1. 2. 3.	Syllabus was too (a) Vast (b) Difficult Classes in the subjects were not interesting Syllabus was not properly covered in Class	Yes/No Yes/No Yes/No Yes/No
5. 6. 7. 8.	(a) Difficult (b) Out of syllabus Absence from the classes for too many days Lack of facilities for study at (a) fome (b) Hostel (This applies to Laboratory Exam. only) (a) Lack of proper facilities (b) Training in the Laboratory (a) Lack of interest (b) Lack of optitude for the course (a) Reasons like ill-health (b) Financial problems, etc. General negligence in study	Yes/No
10 11		Yes/No

Note: - A candidate need not answer all questions above.

Name and address of students may be indicated.

Signature : Name & Address:



#### SUGGESTIONS:

As reported by respondents themselves, it is understoo took the following are the main causes for wastage in degree and diploma courses. Some reasons put forward are that the symbous is too vast, it is very difficult to understand, the symbous was not properly covered, questions asked very difficult etc. In addition to these there is lack of facilities for study at home and there are financial problems for continuation of their study.

based on these findings the following suggestions are made. Scheduled Chare/Scheduled Tribe students who have aptitude for higher studies in Engineering degree and Diploma courses shall be given intensive coaching classes in basic subjects viz. Mathematics thysics, Chemistry etc. during the summer vacation, prior to the admission to the Engineering College or Polytechnics. This may be conducted before they seek admission to relytechnics or Engineering Colleges. The minimum qualification prescribed for the Degree in Engineering is Pre-degree S.C/S.T. candidates who have appeared for final Pre-degree examination may be given coaching in physics, Chemistry and Mathematics during summer vacation. These coaching classes will help the students to get higher percentage of marks in this entrance examinations. Those students who get admission to Engineering will also be able to follow the subjects easily.

in the coaching classes these students may be given incentives such as free hostel facilities in the camp, and pocket money.

These coaching camps for P.D.C. candidates shall be conducted in Colleges, Classes for S.S.L.C. candidates seeking admission to Polytecinic can be conducted in selected centres in each District. The Lecturers entrusted with these coaching camps may be paid additional remuneration.

In order to maintain the ratios of S.C./S.T representation in the invalue of students in professional courses, instead of lowering the standards, it is advisable to raise the standards by intensive coaching classes in basic subjects as suggested above. This will go a lone way in reducing the wastage in the professional courses.

