## CHAPTER - IV

ANALYSIS AND INTERPRETATION OF DATA

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## CHAPTER - IV

## ANALYSIS AND INTERPRETATION OF DATA

## IV. 1 - INTRODUCTION -

In the previous chapters the investigator dealt with the theoretical topics. The discussion of these chapters served the necessary back-ground for the analysis of the data collected for the present research work. The intention of this chapter is to analyse the data collected against the background of these chapters.

The questionnaire and interview scheduleswere constructed in order to collect data from commerce teachers, principals, drop-out students and experts. The questionnaires were handed over in urban as well as in rural areas. Interview schedules were administered in rural and urban area. Out of hundred only thirty teachers responded. Fifteen principals, ten experts, thirty drop-out students and 30 guardians responded. A list of the names of the teachers is given in Appendix 'B' and of principals, guardians, drop-out students \& experts Appendix 'D', 'F', 'G', 'H' respectively.

The analysis of these tools is divided into 12 parts.

1) Information regarding the responded teachers and principals.
2) Present situation of the strength.
3) Extents and trend of strength in the urban area.
4) Extents and trend of strength in the rural area.
5). Total extents \& trend of the drop-outs in the urban area.
5) Total extents \& trend of the drop-outs in rural area.
6) Trend of the drop-outs in urban area (Solapur City)
7) Trend of the dropouts in the rural area (Parsi taluka)
8) Causes of irregular attendance.
9) Causes of the difficult commerce subjects.
10) Causes of the drop-outs
11) Remedial causes \& measures of the dropouts. While conducting the interview schedule these parts are analysed and interpreated in the following pages.
IV. 2 INFORMATION REGARDING THE RESPONDED TEACHERS -

The first part of the questionnaire was related to the personal information of the teachers. Questions were not asked them regarding their personal information but sub-points greqviven to fill

them, i.e. full name, qualification, name of the junior commerce college, experience etc. The intention of this part was to provide the introductory part to the questionnaire.

The following table (No.IV.1) shows the classification of teachers, qualifications who had responded to the questionnaire from rural and urban area.

## TABLE NO.IV. 1

## QUALIFICATION OF THE TEACHERS



The figures 60\% against the items No.1,2 in the above table show that teachers had necessary qualification from both the areas, Z.e. M.Com.,B.Ed./ M.Com.,D.H.E. $40 \%$ teachers from urban and rural areas (against the item Nos. 3 , $4,5,6,7$ ) were highly qualified. It was explicit that tinere were well qualified teachers in rural area also.

Most of the principals of junior colleges attached to the secondary schools had possessed the B.A.,B.Ed., M.A.,B.Ed., B.Sc.,B.Ed., M.Com.,B.Ed., M.Sc.,B.Ed. qualification. There were $53.33 \%$ trained principals, $46.67 \%$ principals of junior colleges attached to the senior colleges were highly qualified but untrained. The percentage was nearly the same in urban and rural areas.

The next table shows the experience of the responded commerce teachers in years. Class interval is three.


TABLE NO. IV. 2

## EXPERIENCE OF THE TEACHERS



From the above table No.IV. 2 it is obvious that the range of the experience of the teachers was from 1 to 18. Most of the teachers (40\%) from urban area had 16 to 18 years experience and $40 \%$ teachers from rural area had 13 to 15 years experience.

The mean experience of the teachers from urban area when computed by the formula

$$
M=A \cdot M \cdot+\frac{E f d^{\prime}}{N} \times i
$$

The mean experience was 9.25 years from teachers in urban area and the teachers from rural area was 8.5 years.

The average experience of the teachers from both the areas shows that the average teachers were having good experience.
$33.33 \%$ principals taught to Junior Commerce Colleges for six years. The remaining responses were negiigible.
IV. 3 PRESENT SITUATION OF THE STRENGTH -

In this section the data were collected to know present situation of the strength of the +2 stage of commerce stream. Questions from $1 \& 2$ in the questionnaire of the teacher were ment for the same.

Question number 1 and 2 in the interview Schedule of principal were intended to verify the present situation of the teachers response. Those two questions were also analysed immediately after the analysis of the question Nos. from 1 to 2 in the questionnaire.

The present situation of the strength which the investigator came across were also analysed in this section.

The following table shows the frequency and percentage of the answers asked to the teachers regarding the present situation of the strength at +2 stage of commerce stream in urban area and rural area.


## PRESENT SITUATION OF THE STRENGTH

| $\begin{aligned} & \mathrm{Sr} \\ & \text { No. } \end{aligned}$ | Present | : Areawise number of : Percentage: teachers responded to: |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | situation | - | - | - - - |  |
|  |  | Urban : Rural : Urban ; Rural |  |  |  |
| 1 | Satisfactory | - | - |  |  |
| 2 | Unsatisfactory | 18 | 8 | 90.00 | 80.00 |
| 3 | Flexible | 2 | 2 | 10.00 | 20.00 |
| 4 | Constant | - | - |  |  |
|  | Total | 20 | 10 | 100.00 | 100.00 |

The table No.IV. 3 shows that most of the teachers from urban area ( $90 \%$ ) as well as from rural area ( $80 \%$ ) were unsatisfactory. The figures $10 \%$ and $20 \%$ against the item Nos. 3 make clear that some of the teachers ( 2 from urban area, and 2 from rural area) were flexible about present situation of the strength.

Ninety percent principals told that present situation of the strength was unsatisfactory. $10 \%$ principals expressed that present situation of strength was flexible in rural area.

After the comperative study of the answers given by the teachers and Principals the investigator came to conclusion that there was not one to ane ratio between the answers given by the teachers and by the principals.

Question No. 2 was meant to know the presentation of +2 stage of commerce stream with compare to Arts and science. Four items were given. Responses of the teachers pertaining to the guestion are tabulated below.

TABLE No. IV. 4
PRESENT SITUATION OF THE STRENGTH WITH
COMPARE TO OTHER STREAMS.

| $\begin{array}{r} \mathrm{Sr} . \vdots \\ \mathrm{NO} .: \\ \vdots \\ \vdots \end{array}$ | Responded Answers | : Areawise number of :  <br> :the responded Percentage  <br> :teachers $:$  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |
|  |  | ba | ra | Urban | Rural |
| 1 | Below Arts \& Science | 20 | 10 | 100.00 | 100.00 |
| 2 | Equel to Arts \& Science | - | - | 00.00 | 00.00 |
| 3 | Above Arts \& Science | - | - | 00.00 | 00.00 |
| 4 | Any other | - | - | 00.00 | 00.00 |
|  | (1) Eelow Arts \& Above Sc. |  |  |  |  |
|  | (2) Eelow Sc.\& Above Arts |  |  |  |  |

Figures against the item No. 1 indicate that $100 \%$ teachers from urban and rural area, responded that comnerce strength was below Arts and Science streams at + 2 stage.

The same question was also placed in the interview schedule of the principals. Hundred percent principals from urban and rural area responded that, commerce strength was below Arts \& Science streams at +2 stage.

## IV. 4 EXTYNTS AND TREND OF THE STRENGTH IN URBAN AREA (SOLAPUR CITY)

The next phase of the questionnaire was related to the extents and trend of strength in urban area (Solapur City). Question No. 3 in the questionnaire sought the information regarding the same. The following table No.IV. 5 shows the perception of the teachers regarding the extents and trend of strength at +2 stage in commerce stream in urban area (Solapur city) from last 4 to 5 years.

TABLE No. IV. 5
EXTENTS AND TREND OF THE STRENGIH IN
URBAN AREA (SOLAPUR CITT)


The figures against the item No. 2 ( $90 \%$ from urban area and $100 \%$ from rural area) excead the flgures against the item No.4. It means that many teachers perceived that extents and trend of the strength from last 4 to 5 years in urban area was decreasing.

Question No. 3 to 5 in the interview schedule were intended to verify the soundness of the teachers response regarding extents and trend of the actual strength in Solapur City. Those two questions were also analysed immediately after the analysis of the question No. 3 in the questionnaire. The extents and trend of the strength which the investigator came across were also analysed only in this section.

All principals in urban area told that extents trend of strength were decreasing from 1988-89 to 1992-93. In those questions strength of XI Std, strength of XII Std and total strength from 1988-89 to 1992-93 were asked. Responses of the principals pertaining to the question are tabulated below.
TABLE No. IV. 6
extents and trend of the strength of xi std. (IN URban area)

(Figures in bracketsshow. percentage of the strength)

When grade XI is taken into consideration, it is found that there is a significant and steep full in the extents and trend of the strength from 1988-89 to 1992-93.

Strength of 1992-93 is decreasing with compare to base (supporting) year 1988-89. Strength of D.A.V. College was $49.48 \%$ and strength of Annasaheb Patil Prashala was 52.5\% with compare to supporting year 1988-89. Trend of decreasing strength is continuous from 1988-89 to 1992-93.

The following table No. IV. 7 shows the perception of Principals regarding strength of second year junior colleges.
TABLE NO. IV. 7
EXTENTS AND TREND OF THE STRENGTH OF XII STD. FROM 1988-89 TO 1992-93

| Name of the Junior com. College |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1. D.A.V. College | 370 | $\begin{gathered} 346 \\ (93.51) \end{gathered}$ | $\begin{gathered} 281 \\ (75.95) \end{gathered}$ | $\begin{gathered} 233 \\ (62.97) \end{gathered}$ | $\begin{gathered} 184 \\ (49.73) \end{gathered}$ |
| 2. H. N. College | 351 | $\begin{gathered} 311 \\ (88.60) \end{gathered}$ | $\begin{gathered} 268 \\ (76.35) \end{gathered}$ | $\begin{gathered} 222 \\ (63.25) \end{gathered}$ | $\begin{gathered} 176 \\ (50.14) \end{gathered}$ |
| 3. Social College | 219 | $\begin{gathered} 198 \\ (90.41) \end{gathered}$ | $\begin{gathered} 169 \\ (77.17) \end{gathered}$ | $\begin{gathered} 142 \\ (64.84) \end{gathered}$ | $\begin{gathered} 112 \\ (51.14) \end{gathered}$ |
| 4. Sangameshwar College | 390 | $\begin{gathered} 382 \\ (97.95) \end{gathered}$ | $\begin{gathered} 352 \\ (90.26) \end{gathered}$ | $\begin{gathered} 300 \\ (76.92) \end{gathered}$ | $\begin{gathered} 198 \\ (50.77) \end{gathered}$ |
| 5. Chattrapati Shivaji Night College | 101 | $\begin{gathered} 93 \\ (92.08) \end{gathered}$ | $\begin{gathered} 79 \\ (78.22) \end{gathered}$ | $\begin{gathered} 71 \\ (70.30) \end{gathered}$ | $\begin{gathered} 52 \\ (51.49) \end{gathered}$ |
| 6. H.D.Prashala \& Jr.College | 208 | $\begin{gathered} 194 \\ (93.27) \end{gathered}$ | $\begin{gathered} 168 \\ (80.77) \end{gathered}$ | $\begin{gathered} 135 \\ (64.90) \end{gathered}$ | $\begin{gathered} 106 \\ (50.96) \end{gathered}$ |
| 7. Jain Gurukul Prashala | 127 | $\begin{gathered} 112 \\ (88.19) \end{gathered}$ | $\begin{gathered} 99 \\ (77.95) \end{gathered}$ | $\begin{gathered} 81 \\ (63.78) \end{gathered}$ | $\begin{gathered} 60 \\ (51.18) \end{gathered}$ |
| 8. Ravji Sakharam High School | 133 | $\begin{aligned} & 112 \\ & (84.21) \end{aligned}$ | $\begin{gathered} 98 \\ (73.68) \end{gathered}$ | $\begin{gathered} 84 \\ (63.16) \end{gathered}$ | $\begin{gathered} 62 \\ (46.62) \end{gathered}$ |
| 9. Annasaheb Patil Prashala | 74 | $\begin{gathered} 66 \\ (89.19) \end{gathered}$ | $\begin{gathered} 57 \\ (77.03) \end{gathered}$ | $\begin{gathered} 48 \\ (64.86) \end{gathered}$ | $\begin{gathered} 40 \\ (54.05) \end{gathered}$ |
| 10. Pangal High School | 81 | $\begin{gathered} 74 \\ (91.36) \end{gathered}$ | $\begin{gathered} 62 \\ (76.54) \end{gathered}$ | $\begin{gathered} 53 \\ (65.43) \end{gathered}$ | $\begin{gathered} 40 \\ (49.38) \end{gathered}$ |

(Figures in bracketsshow percentage of the strength)

$$
=-7.6 \leq
$$

When grade XII is taken into consideration, it is found that, there is continuous decreasing extents and trend of the strength from 1988-89 to 1992-93. Strength of 1992-93 was decreasing with compare to base (supporting) year 1983-89. Strength of Ravji Sakharam Commerce High School was $46.62 \%$ and strength of Annasaheb Patil Prashala was $54.05 \%$ with compare to supporting year. Trend of decreasing strength ware continuous from 1988-89 to 1992-93.

The following table No. IV. 8 shows perception of principal regarding the total strength and trend of each higher secondary school from 1988-89 to 1992-93.

TABLE No. IV. 8

(Figures in brackets show. percentage of the strength)

When total strength is taken into consideration, it is found that there is a continuous decreasing extents and trend from 1988-89 to 1992-93.

Strength of Ravji Sakharam Commerce High School was $48.73 \%$ and Strength of Annasaheb Patil Prashala was 53.25\% with compare to base year 1988-89
IV. 5 EXTENTS AND TREND OF THE STRENGTH IN RURAL AREA (BARSI TALUKA)

The next stage of the questionnaire was related to the extents and trend of the strength in rural area. Question No. 4 in the questionnaire sought the information regarding the same. The following table No.IV. 9 shows the perception of the teachers regarding the extents and trend of the strength in rural area from last five years.

## TABLE No. IV. 9

## EXTENTS AND TREND OF THE STRENGTH IN

## RURAL AREA (BARSI TALUKA)



The figures against item No. 2 ( $95 \%$ from urban area and 100\% from rural area) exceed: the figures against item No.4. It means that many teachers perceived that extents and trend of strength from last 4 to 5 years in rural area was reducing. Question No.3, 4 and 5 in the interview schedule of principal were intended to verify the soundness of the teachers response regarding extents and trend of the actual strength in rural area (Barsi taluka). Those three questions were also analysed immediately after the analysis of the question No. 4 in the questionnaire. The extents and trend of the strength which the investigator came across were also analysed only in this section.

Five principals in rural area ( 33.33 percent in Barsi taluka) told that extents and trend of strength were decreasing from 1988-89 to 1992-93. In those questions total strength of XI Std. and XII Std., and total strength from last five years were asked. Responses of the principals in rural area pertaining to the questions are tabulated below.
TABLE No. IV. 10
EXTENTS AND TREND OF THE STRENGTH OF XI STD. FROM 1988-89 TO 1992-93 (RURAL AREA)

|  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1. B.P.Sulakhe Com.College | 328 | $\begin{aligned} & 297 \\ & (90.25) \end{aligned}$ | $\begin{aligned} & 249 \\ & (75.91) \end{aligned}$ | $\begin{aligned} & 129 \\ & (39.33) \end{aligned}$ | $\begin{aligned} & 137 \\ & (41.76) \end{aligned}$ |
| 2. S.B.Z.College | 123 | $\begin{aligned} & 112 \\ & (91.05) \end{aligned}$ | $\begin{aligned} & 98 \\ & (79.67) \end{aligned}$ | $\begin{gathered} 79 \\ (64.23) \end{gathered}$ | $\begin{aligned} & 60 \\ & (46.15) \end{aligned}$ |
| 3. Maharashtra High School | 79 | $\begin{gathered} 68 \\ (86.07) \end{gathered}$ | $\begin{aligned} & 61 \\ & (77.21) \end{aligned}$ | $\begin{aligned} & 53 \\ & (67.89) \end{aligned}$ | $\begin{gathered} 40 \\ (50.63) \end{gathered}$ |
| . Kanya Prashala Vairag | - | - | 59 | $\begin{aligned} & 47 \\ & (79.66) \end{aligned}$ | $\begin{gathered} 30 \\ (50.84) \end{gathered}$ |
| 5. Vidya Sadhana Prashala | 69 | $\begin{aligned} & 64 \\ & (92.75) \end{aligned}$ | $\begin{aligned} & 57 \\ & (82.61) \end{aligned}$ | $\begin{aligned} & 46 \\ & (66.67) \end{aligned}$ | $\begin{aligned} & 31 \\ & (44.93) \end{aligned}$ |

(Figures in the bracketsshow percentage of the strength)

When grade XI is taken into consideration, it is found that there is a significant and steep fall in the extents and trend of the strength from 1988-89 to 1992-93.

Strength of B.P.Sulakhe Commerce College, Barsi was $41.76 \%$ and strength of Kanya Prashala, Vairag was. $50.84 \%$ with compare to supporting year 1988-89.

But strength of B.P.Sulakhe Commerce College, Barsi was 39.33\% i.e.(129) in 1991-92 and 41.76\% (i.e.137) in 1992-93. In 1992-93 strength of this college was negligible increased by eight students due to teachers and principal's special care and try (endeavour).

The following table No.IV. 11 shows perception of principals regarding strength and percentage of grade XII in rural area.
TABLE NO.IV. 11
EXTENTS AND TREND OF THE STRENGTH OF XII STD.
FROM 1988-89 TO 19
(RURAL AREA)

(Figures in the bracketsshow. percentage of the strength)

[^0]$\begin{array}{cc}\text { TABLE NO. IV. } 12 \\ \text { EXTENTS AND TREND OF THE TOTAL STRENGTH } \\ \text { IN EACH JUNIOR COLLEGE } & \ddots \\ \text { (IN RURAL AREA) } & \end{array}$
Name of the Jr.Com
College


Sr.:
:- - - - - - - -
651
235
235
154
the strength)
o asequaวxad
(Figures in the bracketsshow

Table No.IV. 12 shows that average total strength of B.P.Sulakhe Commerce college, Barsi was 39.02\% with compare to base year 1988-89. Average strength of Kanya Prashala, Vairag was $105.08 \%$ in 1992-93 with compare to supporting year 1991-92. Strength of Kanya Prashala in 1990-91 was 59, in that year only grade XI was started.

Table No.IV. 10 \& Table No.IV. 11 show that, Government permitted to start XI Std. to Kanya Prashala, Vairag in 1990-91, and XII Std. in 1991-92 respectively.
IV. 6 TOTAL EXTENTS AND TREND OF THE DROP-OUTS IN THE URBAN AREA

The next part of the questionnaire was based on total extents and trend of the drop-outs at +2 stage of commerce stream in Solapur Eity (Urban area). The question was regarding the same. Question No. 5 was asked in order to understand the extends and trend of the drop-outs.

The following table No.IV. 13 shows the perception of the teachers regarding the drop-outs.

Faure N: N. 4
CLASSIFICATION OF THE TEACHERS RESPONSE REGARDING EXTENTS AND TREND OF THE
DROP OUTS IN URBAN AREA (SOLAPUR CITY) (RESPGNISE OF TEACHER'S In ORBAN AREA)

(Response of Teachers da Rural area)

INCREASING
EXTENTS AND TREND OF THE DRGP-OUTS ( $90 \%$ )

PHO FLEXIBLE EXTENTS AND DROPOUTS
(P.T.O.)

TABLE NO. IV. 13

## EXTENTS AND TREND OF THE DROP-OUTS IN THE

URBAN AREA (SOLAPUR CIITY)


The figures against the item No. 1 ( $85 \%$ from urban area and $90 \%$ from rural area) exceed. the figures against the item No.3. It means that many teachers perceived the extents and trend of the drop-outs was increasing. Three (15\%) teachers from urban area and one (10\%) teacher from rural area responded that extents and trend was flexible. Question No.6, 7 and 8 in the interview schedule of principals were intended to verify the soundness of the teachers response regarding the drop-outs. Those three questions were also analysed immediately. The common trend of extents and the drop-outs which the investigator came across were also analysed in this section.

Following table No.IV. 14 shows perception of the principal regarding the extents and trend of drop-outs in urban area.

Strength of the drop-outs is calculated as, last years strength minus current years strength of admission of grade XI.
TABLE NO. IV. 14
extents and trend of the dropouts of the xi std.
(IN URBAN area)

61
164.86
44
97.78
25
92.59
52
118.18
15
115.38

 58
$(156.76)$ 102.22 103.70 $125{ }^{55}$ 107.69 $116^{29}$
106.67
$150^{21}$
$240^{12}$ 72.73
(Figures in bracketsshow percentage of the strength)

Night College
H.D.Prashala \& Jr.College

## Jain Gurukul Prashala

โccuos पồth weıeques tccaey
Annasaheb Patil Prashala


> D.A.V. College
H. N. College
Social College

25
 14
5
11 11

Then grade XI is taken in to consideration, it is found that there were continuous drop-outs from 1989-90 to 1992-93.

Drop-outs of Annasaheb Patil Prashala was 200\% and drop-outs of Pangal High School was $90.91 \%$ in 1992-93 with compare to base year 1989-90.

Table No.IV. 14 indicates that, extents and trend of the drop-outs is high. Average rate of the drop-outs is slightly flexible with compare to base year 1989-90.

The following table No.IV. 15 shows perception of principals regarding the drop-outs strength and trend of XII Std. in urban area.
TABLE NO.IV. 15


Drop-out strength is calculated as last years strength minus current years strength of grade XII.

Table No.IV. 15 shows perception of principals that extends and trend of the drop-outs is high with compare to base year 1989-90. Average percentage of the drop-outs of Annasaheb Patil Prashala in 1992-93 was $100 \%$ and drop-outs of Sangameshwar College was $1275 \%$ with compare to supporting year 1989-90. Percentage and trend of the drop-out strength was slightly flexible with compare to supporting year 1989-90.

The following table Nc.IV. 16 shows perception of principals regarding the total strength of the drop-outs and percentage of the drop-outs of junior colleges.

Strength of drop-outs is calculated as, last years total strength of junior commerce college minus current years total strength of junior commerce college, Base year was taken 1988-89 to ascertain the drop-outs.
TABLE NO. IV. 46

| total extents and trend of the drop-outs in the urban area (SOLAPUR CITY) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Sr.: Name of the Junior com. <br> No.: College |  |  |  |  |  |
| 1. | D.A.V. College | 61 | $\begin{aligned} & 123 \\ & 201.64 \end{aligned}$ | $\begin{gathered} 84 \\ 137.70 \end{gathered}$ | $\begin{aligned} & 110 \\ & 180.33 \end{aligned}$ |
| 2. | H. N. College | 75 | $\begin{gathered} 89 \\ 118.67 \end{gathered}$ | $\begin{gathered} 91 \\ 121.33 \end{gathered}$ | $120^{90}$ |
| 3. | Social College | 48 | $\begin{gathered} 57 \\ 118.75 \end{gathered}$ | $\begin{gathered} 54 \\ 112.5 \end{gathered}$ | $\begin{gathered} 55 \\ 114.58 \end{gathered}$ |
| 4. | Sangameshwar College | 48 | $\begin{gathered} 85 \\ 177.08 \end{gathered}$ | $\begin{gathered} 107 \\ 222.92 \end{gathered}$ | $\begin{gathered} 154 \\ 320.83 \end{gathered}$ |
| 5. | Chattrapati Shivaji Night College | 21 | $\stackrel{28}{133.33}$ | $100^{21}$ | $\begin{gathered} 34 \\ 161.90 \end{gathered}$ |
| 6. | H. D. Prashala \& Jr.College | 39 | $\begin{gathered} 55 \\ 141.02 \end{gathered}$ | $\begin{gathered} 59 \\ 151.28 \end{gathered}$ | $\begin{gathered} 57 \\ 146.15 \end{gathered}$ |
| 7. | Jain Gurukul Prashala | 30 | $\begin{gathered} 29 \\ (96.67) \end{gathered}$ | $110^{33}$ | $\begin{gathered} 38 \\ 126.67 \end{gathered}$ |
| 8. | Ravji Sakharam High School | 35 | $100^{35}$ | $\begin{gathered} 29 \\ 82.86 \end{gathered}$ | $120^{42}$ |
|  | Annasaheb Patil Prashala | 13 | $\begin{gathered} 21 \\ 161.54 \end{gathered}$ | $\begin{gathered} 20 \\ 153.85 \end{gathered}$ | $\begin{gathered} 18 \\ 138.46 \end{gathered}$ |
|  | Pangal High School | 18 | $\stackrel{20}{111.11}$ | $\stackrel{21}{116.67}$ | $\stackrel{23}{127.78}$ |

When total strength of drop-outs is taken in to consideration, it is found that there were a continuous drop-outs from 1989-90 to 1992-93.

Drop-out strength of the Social College was 55(114.58\%) and 154(320.83\%) of Sangmeshwar College in 1992-93 with compare to supporting year 1989-90. Table also indicates that, there were flexible percentage of the drop-outs.

Table No.IV. 14, 15,16 show that, there were high percentage of drop-outs strength during 1990-91 and 1991-92. Trends of the drop-outs were increasing with compare to supporting year 1989-90.

## IV. 7 TOTAL EXTENTS AND TREND OF THE DROP-OUTS

## IN THE RURAL AREA

The next stage of the question was related to the total extents and trend of the drop-outs in the rural area. The question asked regarding the same. Question No. 6 was asked in order to understand the extents and trend of the drop-outs, of the grades $X I$ and XII.

The following table No.IV. 17 shows the perception of the teachers regarding the drop-outs.

## TABLE No. IV. 17

## EXTENTS AND TREND OF THE DROP-OUTS IN THE

QURAL AREA


The figures against the item No. 1 ( $80 \%$ from urban area and 100\% from rural area) exceed the figures against the item No.3. It means that many teachers perceived the extents and trend of the drop-outs was increasing. Four teachers (20\%) from urban area responded that extents and trend was flexible.

Question No. 9 in the interview schedule of principals were intended to verify the soundness of the teachers response regarding the drop-outs. Those two questions also analysed immediately. The common trend of extents and the drop-outs which the investigator came across were also analysed in this section.

Strength of the drop-outs is calculated as last years strength minus current years strength of the admission of XI Std. \& XII Std.

Table No.IV. 18 shows the extents, percentage and trend of the drop-outs in rural area (Barsi taluka).
TABLE NO. IV. 18
EXtents and trend of the drop-outs of the xi std.

| Name of the Jr.Com. College: Base Year:Y E A R S <br> $-1989-\overline{90}:-1990-91:-1991-92:-1992-93$ |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| 1. B.P.Sulakhe Com.College | 31 | $\begin{gathered} 48 \\ 154.84 \end{gathered}$ | $\begin{array}{r} 20 \\ 387.1 \end{array}$ | $\begin{gathered} 8 \\ (25.81) \end{gathered}$ |
| 2. S.B.Z.College | 11 | $\begin{gathered} 14 \\ 127.27 \end{gathered}$ | $\begin{gathered} 19 \\ 172.73 \end{gathered}$ | $\begin{gathered} 19 \\ 172.73 \end{gathered}$ |
| 3. Maharashtra High School | 11 | $\begin{gathered} 7 \\ 63.64 \end{gathered}$ | $\begin{gathered} 8 \\ 72.73 \end{gathered}$ | $\begin{gathered} 13 \\ 118.18 \end{gathered}$ |
| 4. Kanya Prashala Vairag | - | - | 12 | $\stackrel{17}{141.67}$ |
| 5. Vidya Sadhana Prashala | 5 | $\begin{gathered} 7 \\ (140) \end{gathered}$ | $\begin{array}{r} 11 \\ (220) \end{array}$ | $\begin{gathered} 15 \\ (300) \end{gathered}$ |

(Figures in the bracketsshow: percentage of the strength)

When grade XI is taken in to consideration, it is found that there were continuous drop-outs from 1989-90 to 1992-93.

Drop-outs of Vidya Sadhana Prashala, Vairag was 300\% and drop-outs of B.P.Sulakhe Commerce College, Barsi was only $25.81 \%$ with compare to supporting year 1989-90.

Drop-outs of the B.F.Sulakhe Commerce College was 387.1\% in 1991-92 with compare to base year. Drop-outs extent and trend of this college was reduced due to special care \& try of the teachers and principals at the time of admission. This table shows that general extents and trend of the drop-outs in rural area was increasing from 1989-90 to 1992-93.

It is found that trend of the drop-outs in the rural area was continuous, significant and steep increasing.

The next table No.IV. 19 shows the extents and trend of the drop-outs of the XII Std.
TABLE NO. IV. 19

- ald IIX 3Hi yo smoo-doya ghil so angyil any sungixa

(Figures in the bracketsshow percentage of the strength)

When grade XII is taken into consideration, it is found that drop-outs of B.P.Sulakhe Commerce College, Barsi was $445.45 \%$ and drop-outs of Maharashtra High School, Barsi was 500\% in 1992-93 with compare to supporting year 1989-90.

It is explicit from the above table that extents and trend of the drop-outs in rural area was increasing. Drop-out rate was high and it was continuously increasing.

The following table No.IV. 20 shows total extents and trend of the drop-outs of junior commerce college.
TABLE NO. IV. 20
TOTAL EXTENTS AND TREND OF THE DROP-OUTS OF THE JUNIOR COLLEGE
TABLE NO. IV. 20
TOTAL EXTENTS AND TREND OF THE DROP-OUTS OF THE JUNIOR COLLEGE
(Figures in the brackets show percentage of the strength)


When total drop-outs is taken into consideration, it is found that, there is continuous drop-outs from 1989-90 to 1992-93.

Drop-outs of the Kanya Prashala, Vairag was $92.63 \%$ and $485.71 \%$ of Vidya Sadhana Prashala,Vairag, with compare to supporting year. Table No.IV. 20 indicates that extent and trend of the drop-outs was increasing. But percentage of the drop-outs was flexible.
IV. 8 GENERAL TREND OF THE DROP-OUTS IN THE URBAN AREA

Pupils who leave the higher secondary school without completing the +2 stage of commerce education in which they are enrolled. Pupils who enrolled in grade XI are allowed to enrolled in grade XII, after completion of examinations \& tutorials work. But $100 \%$ students could not take admission to grade XII. This type of the drop-outs is considered here. Investigator ascertained drop-outs with the help of Table No.IV. 6 and Table No.IV.7. $100 \%$ pupils who passed the XI Std. could not take the admission to XII Std. So there was drop-outs. For this purpose last years strength of XI Std. minus current years strength of XII Std. is used to ascertain drop-outs in urban area and rural area.

The following table No.IV. 21 shows strength, percentage and trend of the drop-outs in Solapur City, Base Year is 1989-90.
TABLE NO. IV. 21
general trend of the drop-outs in the urban area

(Figures in bracketsshow: percentage of the strength)

When total strength is taken into consideration, it is found that there were continuous drop-outs from 1989-90 to 1992-93.

In 92-93 drop-outs of Sangmeshwar College was $54(270 \%)$ and 12 ( $85.71 \%$ ) of Annasaheb Patil Prashala, with compare to supporting year 1983-90.

- It is clear from the above table that, drop-out pupils strength, percentage in urban area was significant and steep increasing. Trends of drop-outs in each junior commerce colleges in urban area was increasing from base year to 1992-93.

Trend of the drop-outs in Annasaheb Patil Prashala was ( $85.7 \%$ ) decreasing in 1992-93, due to teachers care. This trend is negligible.

It is obvious that the drop-out rates are alarmingly high.
IV. 9 GENERAL TREND OF THE DROP-OUTS IN THE RURAL AREA (BARSI TALUKA)

Pupils who enrolled in to XI Std. and successfully completed, but not enrolled into XII Std. are considered in this drop-out phenomenon.

Investigator find out drop-outs with the help of Table IV. 10 and Table No.IV.11. Strength of last years XI Std. minus strength of current years XII std. is used to ascertain the drop-out strength.

The following table shows, strength, percentage and trend of the drop-outs in each selected junior commerce college in rural area.
TABLE NO. IV. 22
general trend of the drop-outs in the rural area(barsi taluka)

(Figures in the brackets show percentage of the strength)

It is clear from the above table that, drop-out strength and percentage in 1991-92 was (100\%) 35(259.23\%) of Vidya Sadhana Prashala, and S.B.Z. College, respectively. Drop-outs strength in 1992-93 was $12(44.44 \%)$ and $17(283.33 \%)$ of B.P.Sulakhe Commerce College and Kanya Prashala with compare to supporting year.

Table No. IV. 22 also indicates that, trend, percentage, and strength of the drop-outs were increasing every year in each junior commerce college in rural area. Drop-outs of the B.P.Sulakhe Commerce College was decreasing in 1992-93 (44.44\%) due to care and try of the teachers and principals. But this trend is negligible.

This table shows that, every year drop-outs in each college is increasing continuously from base year 1989-90 to 1992-93.

With compare to Table No.IV. 21 and 22, it is obvious that, the drop-out rates are alarmingly high in rural area (Barsi taluka) with compare to urban area (Solapur City).

The next phase of the questionnaire was related to the causes of irregular attendence of the pupils in commerce stream at +2 stage. Question Nos. 9 in the questionnaire sought the information regarding the same.

The following table No.IV. 23 shows the perception of the teachers regarding the causes of irregular attendence.


## TABLE No.IV. 23

## CAUSES OF THE IRREGULAR ATTENDENCE



The figures against the item No. 10 ( $100 \%$ from urban and rural area) exceed the figures against the item Nos. 1 to 9 . It means that many teachers perceived that laziness and carelessness of responsibility is a major cause of irregular attendence.

In the same question the teachers were also asked to tick ( / ) mark against the causes. The figures against the item No. 1 ( $85 \%$ from urban area and $90 \%$ from rural area) perceived that reductance (admission against will) was a cause of irregular attendence. $85 \%$ teachers in urban area and $70 \%$ teachers in rural area stated that peer group influence was a cause of irregular attendence. 70\% teachers in urban area and $90 \%$ teachers in rural area was also a cause of irregular attendence.

The response under the heading any other causes was zero.

Question No. 1 in the interview schedule of guardians was intended to verify the soundness of the teachers response regarding the causes of irregular attendence. This question was also analysed immediately after the analysis of the question Nos. 9 in the questionnaire.

The common causes which the investigator came across in interview of guardians were analysed in this section.

The following table shows the frequency and percentage of the answers regarding irregular attendence.

## TABLE NO.IV. 24

## GUARDIANS ADDUCING REASONS FOR THE IRREGULAR

## ATMENDENCE



The above table shows that 21 guardians (70\%) told that reluctance was a major cause of irregular attendence. The figures $2 \%$ shows that ( 6 guardians) ill-health was a cause of irregular attendence. Majority of the guardians agreed the first item.
$50 \%$ of the guardians stated that student's
laziness and carelessness of responsibility was one of the reasons for irregular attendences.


The above table also shows that $43.01 \%, 33.33 \%$ $36.67 \%$ and $30 \%$ guardians told that assistance at home, social causes, assistance in guardians business and students part-time service were causes of irregular attendence.

Causes like peer group influence, lack of cloths, fear of the teacher, insufficient time for pay were not received from parents.

The same question was also placed in the interview schedule of the drop-out students to get the information in this regard. The causes suggested by the drop-out students and the number of frequency is classified in the following table.

TABLE NO. IV. 25

## DROP-OUT STUDENTS' REASONS FOR THE IRREGULAR

ATTENDENCE

| Sr.: Classification of <br> No.: <br> reasons | :The number : of responded: :drop-out : students | Rercentage |
| :---: | :---: | :---: |
| 1. Reluctance (Admission against will) | 26 | 86.67 |
| 2. Ill-health | 11 | 36.67 |
| 3. Assistance at home (in house work) | 20 | 66.67 |
| 4. Peergroup Influence | 17 | 56.67 |
| 5. Distance in Jr.Com. College | 8 | 26.67 |
| 6. Non-completion of work | 10 | 33.33 |
| 7. Part time service | 11 | 36.67 |
| 8. Insufficient time for pay | 5 | 16.67 |
| 9. Laziness \& carelessness of responsibility | 9 | 30.00 |
| 10. Lack of cloths | 4 | 13.33 |
| 11. Assistance in guardians business | 12 | 40.00 |

The figures against each item show that the differences between the frequency of drop-out students. The excessive frequency against the item No. 1 shows that most of the drop-out students ( $86.67 \%$ ) stated the reluctance was a cause of irregular attendence. It is explicit from the above response that fear of teacher was not a cause of irregular attendence. Assistance at home and peergroup influence also the cause of irregular attendence. Other causes were negligible with compare to first cause.
IV. 11 CAUSES OF DIFFICULT COMMERCE SUBJECTS:-

In the present section the investigator analysed the data regarding causes of difficult commerce subjects. Question No.ten was included in the questionnaire to get the information in this regard. Question No. 11 in the interview schedule of the principal's question No. 2 in the interview schedule of the guardians drop-out students and experts were intended to verify the soundness of the teachers response regarding the difficult commerce subjects. Those question were also analysed the following table No.IV. 26 makes clear the frequency and percentage of the respondents.

## TABLE No. IV. 26

CAUSES OF DIFFICULT COMMERCE SUBJECTS.

(figures in the bracketsshow: the percentage of the respondents)

The table No.IV. 26 shows that $26.67 \%$ teachers and 23.33\% drop-out students said teaching method was a cause of difficult commerce subjects. The figures $70 \%$ and 43.33\% against item No. 2 make clear that some of the
teachers (21) and drop-out students (13) given the cause of difficult terms in subjects critical portion was a cause of difficult subjects according to $76.67 \%$ teachers, $20 \%$ principals and $63.33 \%$ drop-out students. According to $93.33 \%$ teachers, $46.67 \%$ principals, $96.67 \%$ drop-out students and $13.33 \%$ guardians stated that, the lack of practicals in subject also a cause of difficult commerce subject.

Irregular attendence also a important cause of difficult subject according to $96.67 \%$ teachers and 93.33\% principals and drop-out students respectively.

Table No.IV. 26 also shows that according to 80\% teachers, $90 \%$ drop-out stuảents, $43.33 \%$ guardians said that reluctance was a cause of difficult commerce subject. According to 70\% teachers, 100\% principals, $73.33 \%$ drop-out students and few (16.67\%) guardians said lack of concentration of mind in study also a serious cause of difficult commerce subjects.

It is clear from the above table that 27 teachers (90\%), 12 principals (80\%), 28 drop-out students (93.33\%) and 30 guardians (100\%) stated irregular study also a cause of difficult commerce subjects. 33\% teachers, 26.67\% principals and 23.33\% drop-out students stated that shortage of educational aids was a cause of difficult commerce subjects.

## IV. 12 CAUSES OF DROP-OUTS

In this section the data were collected in order to know reliable causes of drop-outs at +2 stage of commerce stream in rural and urban area.

The causes of drop-outs at the first level broadly classified under four categories -
A) SOCIO-ECONOMIC
B) EDUCATIONAL
C) MISCELLANEOUS
D) SPECIAL AND IMPORTANT BURNING CAUSES
A) SOCIO-ECONOMIC CAUSES

Questions from 11 to 14 in the questionnaire of the teachers were meant for the same.

Question number 12 to 15 in the interview schedule of principals were intended to verify the soundness of the responded teachers response regarding the causes of the drop-outs. Those questions were also analysed immediately after the analysis of the question Nos. 11 to 14 in the questionnaire. The common causes which the investigator came across were also analysed only in this section.

The following table No.IV. 27 shows the frequency and percentage of the causes, asked to the teachers.

The following table indicates the number of teachers who responded Socio-Economic causes.

TABLE No. IV. 27

## SCCIO-ECONOMIC CAUSES SUGGESTED BY THE

RESPONDED TEACHERS.


1. Economic backwardness of the family.
a) Educational cost
78
35.00
80.00
b) Students employment inside/outside the family
$5 \quad 4$
25.00
40.00
2. Excessive involvement of pupils in domestic work (no $\begin{array}{lllll}\text { time for study) } & 6 & 6 & 30.00 & 60.00\end{array}$
$\begin{array}{llllll}\text { 3. Caste (higher/lower) } & 7 & 8 & 35.00 & 80.00\end{array}$
3. Occupation
$7 \quad 4$
35.00
40.00
4. Educational status of family

12
8
60.00
80.00
6. Early marriage or betrothal
$\begin{array}{llll}6 & 8 & 30.00 & 80.00\end{array}$
7. Indifference of parents 4
$20.00 \quad 30.00$
8. Parental Opposition

84
$40.00 \quad 40.00$

The figures $80 \%$ against item No. $1,3,5$ \& 6 show that most of the teachers in rural area suggested, educational cost, caste, educational status of family, early marriage or betrothal ware the socio-economic causes of the drop-outs. The figures 60\% against item No. 5 shows that most of the urban teachers suggested that educational status of family was a causes of the drop-outs.

Next to it, $40 \%$ teachers from urban area and 60\% teachers from rural area suggested that parental opposition, excessive involvement of pupils in domestic work were socio-economic causes of the drop-outs. Very few teachers in urban and rural area told that indifference of parents was a cause of the drop-outs. 35\% teachers in urban area suggested that educational cost cast, occupation, parental opposition were causes of the drop-outs. $40 \%$ teachers in rural area indicated that students employment, occupation, parental opposition were also cause of the drop-outs.

The average of each (remaining) item shows that these were slight difference between the opinions of the teacher in urban and rural area regarding socioeconomic causes of the drop-outs.

Question number 12 in the interview schedule of principal was intended to verify the soundness of the teachers response. Question No. 3 asked in the interview
schedule of Guardian, Drop-out stutent and expert. Those questions analysed immediately after analysis of the question No. 11 in the questionnaire. The causes which the invistigator came across were also analysed in this section.

The following table shows the frequency and percientage of the answers.

TABLE No. IV. 28
SOCIO-ECONOMIC CAUSES SUGGESTED IN THE INTERVIEN

## SCHEDULES OF PRINCIPALS,GUARDIANS,DROP-OUT

STUDENTS AND EXPERTS.

| $\begin{aligned} & \text { Sr.: } \\ & \text { No.: Causes } \end{aligned}$ | Answerwise number of responded persons |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \text { :Principals: } \\ & \vdots \text { (15) } \end{aligned}$ | Guardian: <br> (30) | $\begin{aligned} & \text { Drop-out: } \\ & \text { Students: } \\ & (30) \end{aligned}$ | Experts <br> (10) |
| 1. Educational cost | $(00 . \overline{0} 0)$ | $\begin{gathered} 12 \\ (40.00) \end{gathered}$ | $\begin{gathered} 11 \\ (36.67) \end{gathered}$ | $\begin{gathered} 3 \\ (33.33) \end{gathered}$ |
| 2. Cast | $(20)^{3}$ | $\begin{gathered} 7 \\ (23.33) \end{gathered}$ | $\begin{gathered} 7 \\ (23.33) \end{gathered}$ | $\stackrel{2}{(20)}$ |
| 3. Students employment | $\begin{gathered} 2 \\ (13.33) \end{gathered}$ | $\begin{gathered} 10 \\ (33.33) \end{gathered}$ | $\begin{aligned} & 12 \\ & (40) \end{aligned}$ | $\stackrel{2}{2}$ |
| 4. Parental Opposition | $\begin{gathered} 4 \\ (26.67) \end{gathered}$ | $\begin{aligned} & 15 \\ & (50) \end{aligned}$ | $\begin{aligned} & 15 \\ & (50) \end{aligned}$ | $\stackrel{5}{50}$ |
| 5. Early marriage or betrothal | $(00 \overline{)}$ | $\begin{gathered} 10 \\ (33.33) \end{gathered}$ | $\begin{gathered} 11 \\ (36.67) \end{gathered}$ | $\stackrel{2}{(20)}$ |
| 6. Educational status of family | $\begin{gathered} 6 \\ (40) \end{gathered}$ | $\begin{gathered} 12 \\ (40.00) \end{gathered}$ | $\begin{gathered} 14 \\ (46.67) \end{gathered}$ | $\begin{gathered} 4 \\ (40) \end{gathered}$ |

Table No.IV. 28 shows that 50\% Guardians, Drop-out students, Experts stated the parrental opposition was a cause of the drop-outs. Educational wasa status of family also cause of the drop-out according to $40 \%$ Principals, Guardians, Experts and $46.67 \%$ Drop-out students. The figure $40 \%, 36.67 \%$ and 33.33\% against the item No. 1 make clear that educational cost was a cause of the drop-outs, according to Guardians, Drop-out students and Experts. Figures against item No. 2 indicates that 20\% Principals and Experts, 23\% Guardians and Drop-out students forwarded the cause, 'Cast.' The figures against item No. 3 show that 2 Principals (13.33\%), 10 Guardians (33.33\%), 12 Drop-out students (40\%) and 2 Experts (20\%) indicated the cause of students employment. Only 33.33\% Guardians, 36.67\% drop-out students and 20\% Experts forwarded the reason, early marriage or betrothal.

Excessive involvement of pupils in domestic work, occupation, indifference of parents, were not alluded by resondents.

## 3) EDUCATIONAL CAUSES

The purpose of the question No. 12 was to know the educational causes of the drop-outs. The table No.IV. 29 shows the number and percentage of the teachers responded to question No. 12 in questionnaire.

## TABLE No. IV. 29

## EDUCATIONAL CAUSES OF THE DROP-OUTS SUGGESTED

BY THE RESPONDED TEACHERS.


Table No.IV. 29 shows that $80 \%$ teachers from urban and rural area expressed that the absence of relationship between educational systam and economic needs of the community. This table also shows that 20\% teachers in both areas indicated that the incomplete junior commerce college was a cause of the drop-outs. The figures against item No. 1 shows that six teachers from urban area and three teachers from

rural area responded that the stagnation was a cause of drop-outs.

The frequency against the item No. 3 makes clear that 10 teachers from urban area and 7 teachers from nanał area nesponded that the faculty admission was a cause of the drop-outs. Eight and six teachers in urban as well as rural area, against item No. 5 indicated that poor junior commerce college environment was a cause of the drop-outs.

The table No.IV. 30 indicates the principals, guardians, drop-out students and experts response about the educational causes of the drop-outs. Question No.13, in interview schedule of principal and question No. 4 interview shedule of guardians, drop-out students and experts were asked.

## TABLE NO. IV. 30

## EDUCATIONAL CAUSES OF THE DROP-OJS SUGGESTED

BY THE RESPONDED PRINCIPALS, GUARDIANS,
DROP-OUT STUDENTS AND EXPERTS.

```
Sr.: Educational : The number & percentage of
No.: causes of the : respondents.
    drop-outs
    :-----------------------------------------
    :(15):(30): (30):(15)
```

1. Stagnation

| ${ }^{4}$ | 5 | 5 | 4 |
| :---: | :---: | :---: | :---: |
| $(26.67 \%)$ | $(16.67 \%)$ | $(23.33)$ | $(40 \%)$ |

2. Absence of relationship between educational system $\begin{array}{lllll}\text { \& economic needs } & 6 & 19 & 12 & 1\end{array}$ of the community (40.00) (03.33) (40\%) (10\%)
3. Faculty admission - -
policy
4. Incomple Jr.Com.

2 Colleges

$\begin{array}{cc}2 \\ (06.67) & (16.67)\end{array}$
5. Poor Jr.Com.College 3 4 3 Environment (20\%) (13.33) (20\%) (30\%) $\begin{array}{lllll}\text { Total } & 15 & 30 & 30 & 10\end{array}$
 (Figures in the brackets show percentage of the response)

The frequency against the item No. 2 shows that 40\% principals, and drop-out students, $63 \%$ guardians and 10\% experts indicated the absence of relationship between educational system and economic needs of the community was a major cause of the drop-outs.

The figures against item No. 2 exceeds the figures against the item No.1, 3, 4 and 5.

Out of 10 only 2 experts ( $20 \%$ ) responded to faculty admission plicy. But it was negligible.

The above table shows that $26.67 \%$ principals, 16.67\% guardians, 23.33\% drop-out students and 40\% experts responded that the stagnation was a cause of drop-out.

Few respondents ( $13.33 \%, 6.57 \%, 16.67 \%$ ) adopted the cause against the item No.4. But it was negligible. In addition to above causes 3 principals, 4 guardians, 6 drop-out students and 3 experts suggested the poor environment of junior college was a cause of the dpop-outs.

## C) MISCESSANEOUS CAUSES

The table No.IV. 31 shows the number and percentage of the teachers responded to the question No. 13 in the teachers questionnaire which was regarding the miscellaneous causes of the drop-outs.

## TABLE NO. IV. 31

MISCELLANEOUS CAUSES OF THE DROP-OUTS SUGGESTED
BY THE RESPONDED TEACHERS

| Sr.: The responde regarding <br> No.: miscellaneous causes <br> : of the drop-outs | :The number of ::responded:teachers:Urban: Rural:UrbentageU- Urban :Rural |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| 1. Death of the parents | 2 | 2 | 10 | 20 |
| 2. Illness of the pupils | 4 | 3 | 20 | 30 |
| 3. Irregular attendence | 5 | 4 | 25 | 40 |
| 4. Heterogeneity in age composition of the pupils. | 1 | - | 5 | - |

The total responded teachers from urban area were 12, and from rural area were 9. The frequency against the item No. 3 shows that five teachers from urban area and four teachers from rural area responded that the irregular attendence was a cause of the drop-outs. The frequency against the item No. 2 makes clear that 4 teachers from urban area and three teachers from rural area responded that the 1llness of the pupils was a cause of the drop-outs. This table shows that $10 \%$ teachers from urban area and 20\% teachers from rural area responded that death of the parent was a cause of the drop-outs. Only

5\% teacher (one teacher) from urban area indicated that heterogeneity in age composition of the pupils was a miscellaneous cause of drop-outs. But it was negligible.

Question No. 14 in the interview schedule of Principal and question No. 5 in the interview schedule of guardian, drop-out students and experts were intended to verify the soundness of the teachers response regarding the misceilaneous causes of the drop-outs. Those questions were also analysed immediately after the analysis of the question No. 13 in the questionnaire.

## TABLE No. IV. 32

MISCELLANEOUS CAUSES OF THE DROP-OUTS SUGGESTED BY THE RESFORDED PRINCIPALS, GUARDIANS, DROP-OUT

STUDENTS AND EXPERTS
Sr.: Miscellaneous
No.: Causes of the
: drop-outs number and percentage of the
$\vdots$
$\vdots$

| 1.Death of the <br> parents | $(20 \%)$ | $(13.33 \%)$ | $(13.33 \%)$ | $(10 \%)$ |
| :---: | :---: | :---: | :---: | :---: |
| 2.Illness of the <br> pupils | 2 | 2 | 3 | 1 |
|  | $(13.33 \%)$ | $(6.67 \%)$ | $(10 \%)$ | $(10 \%)$ |
| 3.Irregular <br> attendence | 4 | 5 | 6 | 2 |
|  | $(26.67 \%)$ | $(16.67)$ | $(20 \%)$ | $(20 \%)$ |

(figures in the bracketsshow. percentage of response)

The table No.IV. 32 indicates that the 4 principals, 5 guardians, 6 drop-out students and 2 experts against the item No. 3 responded that irregular attendence was a miscellaneous cause of the drop-outs. It is obvious from the above table that $20 \%$ principals, $13.33 \%$ guardians as well as drop-out students and $10 \%$ experts told that death of the parents also a cause of the drop-outs.

The above table shows that 2 principals as well as guardians, 3 drop-out students and 1 expert told that irregular attendence also a cause of the drop-out. But
above miscellaneous causes of the drop-out were negligible.
D) SPECIAL AND IMPORTANT BURNING CAUSES OF THE

DROP-OUTS AT + 2 STAGE OF THE COMMERCE STREAM

Question No. 14 in the questionnaire of the teacher was related to important burning causes of the drop-outs. The next table shows the number of responded teachers to the given causes of the drop-outs which were special and importance for commerce stream at + 2 stage.


## TABLE NO. IV. 33

IMPORTANT BURNING CAUSES OF THE DROP-OUTS STATED

## BY TYE RESPONDED TEACHERS




The table No.IV. 24 indicates that the excessive figures against the first 6 and 10 items make clear that the $100 \%$ teachers approved the lack of proper service opportunities, no reserve field for education and service, no service opportunities in teaching field at secondary school level, no confidence about self-employment after commerce education, excessive unemployment of commerce students with compare to other streams, no admission to teacher training courses, (like B.Ed., D.Ed.), lack of practical and business oriented syllabus were the important, burning and serious causes of the drop-outs at +2 stage of commerce stream.

The figures $90 \%$ and $100 \%$ against the item No. 8 show: that unknown commerce subjects at high school level was a cause of the drop-outs. The negative response regarding this question was negligible.

The figures $80 \%, 70 \%$ \& $60 \%$ against the item No.11, 7 and 20 show that difference between practical Accounting system and Accounting system in commerce stream, admission against will of the students and misunderstanding in the mind of people about commerce stream were the causes of the drop-outs.

The figures $60 \%$ and $70 \%$ against the item No. 15 show that most of the teachers were responded students
absentee and carelessness of responsibility. The figure $60 \%$ and $50 \%$ against the item No. 12 show that old curriculum was a cause of the drop-outs. $50 \%$ and $60 \%$ teachers against item No. 9 approved difficult commerce subject also cause of the drop-outs. Most of the teachers ( $55 \%$ from urban area $60 \%$ from rural area) stated that numerious non-granted B.Ed., D.Ed., medical and engineering colleges were the causes of the drop-outs.
It is obvious from the above table that $40 \%$ and 50\% against item No. 13 higher education in English medium was a cause of the drop-out. The figures 30\% against item No. 18 Govt.policy of starting +2 stage without considering requirement of area also a cause of the drop-outs. Other causes of the drop-outs were less important with compare to above causes of the drop-outs.
Question No. 15 in the interview schedule of Principal and question No. 6 in the interview schedule of Guardian, Drop-out Students and Experts were intended to verify the soundness of the teachers response regarding special burning serious causes of the drop-outs. These questions were also analysed immediately after the analysis of the question No. 14 in the questionnaire.

The following table No.IV. 34 shows the frequency and percentage of the answers, asked to the principal, guardian, drop-out students and experts.

TABLE NO.IV. 34
BURNING CAUSES OF THE DROP-OUTS STATED BY THE
RESPONDED PRINCIPALS, GUARDIANS, DROP-OUT
STUDENTS AND EXPERTS.

7. Lack of Practical \& búsiness oriented syllabus
8. Difference between practical Accounting system \& Accounting 12

| 25 | 25 | 8 |
| :---: | :---: | :---: |
| $(83.33 \%)$ | $(83.33)$ | $(80 \%)$ | system in commerce ( $80 \%$ ) ( $83.33 \%$ ) ( 83.33 ) ( $80 \%$ ) stream.

9. Cld curriculum
10. Non-granted Engin-



10 eering, Medical,
D.Ed.,B.Ed.Colleges
11. Misunderstanding mind of people that commerce stream is less importance.
12. Un-known commerce

subjects at high school level.
13. Admission against
$10 \quad 20$

| 12. Un-known commerce | 15 | 30 | 30 | 9 |
| :--- | :---: | :---: | :---: | :---: |
| subjects at high |  |  |  |  |
| school level. | $(100 \%)$ | $(100 \%)$ | $(100 \%)$ | $(90 \%)$ |


| 13. Admission against | 7 | 10 | 20 |
| :--- | :---: | :---: | :---: |
| will of the students $(46.67)$ | $(33.33 \%)$ | $(66.67 \%)$ | ( $50 \%$ ) |
| 14. Absentee \& careless- | 3 | 4 | 2 |
| ness of responsibil-(20\%) | $(13.33 \%)$ | $(6.67)$ | $(10 \%)$ |
| ity in students |  |  |  |


| 15. Guardians careless- | 2 |  |  |  |
| :--- | :---: | :---: | :---: | :---: |
| ness $\&$ lack of | $(13.33 \%)$ | $(.3 .33 \%)$ | (00.00) | ( $0 \%$ ) |
| sympathy about |  |  |  |  |
| commerce students. |  |  |  |  |


|  | Lack of relation- | $12$ |  | $28$ | $(900)^{9}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | ship between commerce education | ( $80 \%$ ) | (83.33\%) | (93.33) | (90\%) |
|  | and social, economi |  |  |  |  |
|  | need of the commun |  |  |  |  |


(figures in the bracketsshow the percentage of response)

From Table No.IV. 34 it is evident that $100 \%$ Principals, Guardinans, Drop-out students and Experts against the first 5, \& 7 items make clear that, lack of proper service opportunities, no reserve field for education and service, no service opportunities in teaching field at high school level. no confidence about self employment after education, excess unemployment of commerce students with compare to other streams, lack of practical \& business oriented syllabus were serious burining causes of drop-outs.

It is evident that a majority of the respondents (93.33\% principals, $100 \%$ guardians \& drop-out students, 80\% experts) stated ', no admission to teacher training courses (D.Ed., B.Ed.) was a important \& burning cause of the drop-outs.

It was found that the $100 \%$ principals, guardians drop-out students, and $90 \%$ experts against Item No. 12 stated that, unknown commerce subjects at high school level was a cause of the drop-outs.

It is observed that misunderstanding in people about importance of commerce stream was a cause of the drop-outs according to all principals, guardians, drop-out students \& 80\% experts. The figures $100 \%$ principals and expert against the item No. 10 show that non-granted engineering, medical, D.Ed., B.Ed.Colleges was burning cause of the drop-out. Only $33.33 \%$ principals stated that old curriculum was a cause of the drop-outs.

From the above table No.IV. 34 it is obvious that 80\% principals, 83.33\% guardians, 93.33\% drop-out students and $90 \%$ experts stated that the lack of relationship between commerce education and social economical need of the community was a cause.

The figures against the item No. 13 (46.67\% Principals, $33.33 \%$ guardians, $66.67 \%$ drop-out students and $50 \%$ experts) show that admission against will of tine student was a cause of drop-outs.

Remaining items No.14, 15, 17, 18, 19 could not be treated as effective causes of the drop-outs.

## IV. 13 REMEDLAL CAUSES AND MEASURES OF THE

DROP-OUTS.

This was the last phase of the questionnaire. In this section question No. 15 was asked to teachers. The investigator analysed the data regarding remedial causes and measures of the drop-outs. Remedial causes \& measures were depends on each other.

The following table shows the remedial causes and measures, responded by the teachers.

## TABLE No. IV. 35

## REMEDIAL CAUSES AND MEASURES OF THE DROP-OUTS

STATED BY THE RESPONDED TEACHERS.

4. Create confidence
$20 \quad 10$
100
100
in students about self-employment.
5. Start one compulsory
Commerce subject in
high school level in
each standard.
6. Provide immediately $20 \quad 10 \quad 100100$
service opportunities at high school level as teacher in commerce

| 7. Introduce practical | 20 | 10 | 100 | 100 |
| :--- | :--- | :--- | :--- | :--- |
| business and job |  |  |  |  |
| oriented syllabus. |  |  |  |  |

8. Part-time compulsory
$20 \quad 10$
100100
training during study period.
9. Reconcile practical 20

10 100 100 Accounting system and Accounting system in Commerce stream.
10. Higher education
in commerce should be
in local language.
11. Revise syllabus as
per social-economical
requirements.
12. Misunderstanding

16
7
80
70 persisting in the mind of people and decreasing popularity of commerce stream must be removed by propaganda.
13. Provide additional
coaching facilities
for poor students.


The above table No.IV. 35 sharply shows that, all teachers against the first 9 items make clear that, proper job opportunities, reserve field for education \& service, admission to teachers training courses (B.Ed., D.Ed.) confidence about self-employment. Commerce subjects may be compulsory subject at highschool level. Service opportunities at high school level as a teacher in commerce, practical and business oriented syllabus, reconciliation of practical Accounting system and Accounting system in commerce stream were major, important remedial causes and measures of the drop-outs at +2 stage of commerce stream.

The figures $95 \%$ and $90 \%$ against the item No. 11 show that syllabus as per social-economical requirement was a remedial cause of the drop-outs.

Next to it, $90 \%$ teachers stated that vocational guidance must be provided in Jr.Colleges.

The frequency against the item No. 10 shows that, 17 teachers in urban area ( $85 \%$ ) and 8 teachers in rural area ( $80 \%$ ) stated that higher education in commerce should be in local language.

Eighty percent teachers in urban area and seventy percent teachers in rural area stated that, misunderstanding about importance of commerce stream was a bright cause of the drop-outs.

The above table No.IV. 35 shows that, most of the teachers ( $65 \%$ from urban area and $60 \%$ from rural area) suggested the lack of provision for additional coaching to poor students was a cause of the drop-outs.

It is also obvious from the above table that introduction of numerious non-granted engineering, medical, D.Ed., B.Ed. Colleges was also a cause of the drop-outs. (according to $40 \%$ teachers in urban area and $50 \%$ teachers in rural area) at +2 stage of commerce stream.

Question No. 16 in the interview schedule of principal and question No. 7 in the interview schedule of guardian, drop-out student and experts were intended to verify the soundness of the teachers response regarding the remedial causes and measures of the drop-outs at +2 stage of the Commerce stream. Those questions were also analysed immediately after
the analysis of the question No. 15 in the questionnaire of teacher.

The following table No.IV. 36 shows the frequency and percentage of the answers received from responded principals, guardians, drop-out students and experts.

TABLE NO.IV. 36
REMEDIAL CAUSES AND MEASURES STARTED BY THE
RESPONDED PRINCIPALS, GUARDIANS,DROP-OUT
STUDENTS AND EXPERTS.

| Sr.: Remedial causes and : The number \& percentage of <br> No.: measures suggested : $\qquad$ |  |  |  |
| :---: | :---: | :---: | :---: |
| : by respondents. $\quad$ : Princip | Principals:Guardians:Drop-out:Experts :students: |  |  |
| 1. No provision of proper 15 job opportunities to (100\%) commerce students. | $\begin{gathered} 30 \\ (100 \%) \end{gathered}$ | $\begin{gathered} 30 \\ (100 \%) \end{gathered}$ | $\begin{gathered} 10 \\ (100 \%) \end{gathered}$ |
| 2. Provision of reserve 15 field for education and services (in Bank \& Insurance) | $\begin{gathered} 30 \\ (100 \%) \end{gathered}$ | $\begin{gathered} 30 \\ (100 \%) \end{gathered}$ | $\begin{gathered} 10 \\ (100 \%) \end{gathered}$ |
| 3. Provision of Admission 15 to B.Ed., D.Ed. Courses(100\%) with commerce Method | $\begin{gathered} 30 \\ (100 \%) \end{gathered}$ | $\begin{gathered} 30 \\ (100 \%) \end{gathered}$ | $\begin{gathered} 10 \\ (100 \%) \end{gathered}$ |
| 4. No confidence about self employment after (100\%) com.education. | $\begin{gathered} 30 \\ (100 \%) \end{gathered}$ | $\begin{gathered} 30 \\ (100 \%) \end{gathered}$ | $\begin{gathered} 10 \\ (100 \%) \end{gathered}$ |
| 5. Provision of one 15 compulsory commerce (100\%) subject at high school level in each standard. | $\begin{gathered} 30 \\ (100 \%) \end{gathered}$ | $\begin{gathered} 30 \\ (100 \%) \end{gathered}$ | $\begin{gathered} 10 \\ (100 \%) \end{gathered}$ |


| 6. | Service opportuni 15 -ties as a commerce teacher at high (100\%) school level. | $\begin{gathered} 30 \\ (100 \%) \end{gathered}$ | $\begin{gathered} 30 \\ (100 \%) \end{gathered}$ | $\begin{gathered} 10 \\ (100 \%) \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: |
| 7. | Lack of practical, 15 job and business(100\%) oriented syllabus. | $\begin{gathered} 21 \\ (70 \%) \end{gathered}$ | $\begin{gathered} 22 \\ (73.33 \%) \end{gathered}$ | $\begin{gathered} 10 \\ (100 \%) \end{gathered}$ |
| 8. | Part-time $\quad 15$ compulsory training during study period with stipend. | $\begin{gathered} 30 \\ (100 \%) \end{gathered}$ | $\begin{gathered} 30 \\ (100 \%) \end{gathered}$ | $\begin{gathered} 10 \\ (100 \%) \end{gathered}$ |
| 9. | Reconctile 15 <br> Practical (100\%) <br> Accounting  <br> system and  <br> Accounting system  <br> in commerce  <br> system.  | $\begin{gathered} 27 \\ (90 \%) \end{gathered}$ | $\stackrel{3}{(10 \%)}$ | $(90 \%)$ |
| 10. | Provision of $\quad 15$ vocational (100\%) guldance must be provided in each Jr.Com.College. | $\begin{gathered} 30 \\ (100 \%) \end{gathered}$ | $\begin{gathered} 30 \\ (100 \%) \end{gathered}$ | $\begin{gathered} 10 \\ (100 \%) \end{gathered}$ |
| 11. | Provision of $\quad 15$ curliculum $\quad$ ( $100 \%$ ) according to social, economical requirements. | $\begin{gathered} 30 \\ (100 \%) \end{gathered}$ | $\begin{gathered} 30 \\ (100 \%) \end{gathered}$ | $\begin{gathered} 10 \\ (100 \%) \end{gathered}$ |
| 12. | $\begin{aligned} & \text { Provision of } \\ & \text { Coaching classes }(100 \%) \end{aligned}$ | $\begin{gathered} 30 \\ (100 \%) \end{gathered}$ | $\begin{gathered} 30 \\ (100 \%) \end{gathered}$ | $\begin{gathered} 10 \\ (100 \%) \end{gathered}$ |
| 13. | Misunderstanding in the mind of $(80 \%)$ people must be removed by propaganda | $(33.33 \%)$ | $(\bar{\sigma})$ | $\left(5 \frac{5}{5}\right)$ |
| 14. | Higher educa- tion in commerce $(13.33 \%)$ may be in local language. | $(13.33 \%)$ | $\stackrel{3}{3}_{10 \%}$ | $\stackrel{1}{(10 \%)}$ |

Remedial causes based on the measures of the drop-outs at +2 stage of the commerce stream.

The above table No.IV. 35 makes clear as Sunlight that 100\% Principals, guardians, drop-out students and experts stated that, lack of provision about proper job opportunities, reserve field for education and services, admission to teacher training courses (B.Ed., D.Ed.) with Commerce method, confidence about self-employment were causes of the drop-outs.

It was also indicated by $100 \%$ respondents that, lack provision of one compulsory commerce subject in each.standard at high school level, lack of service opportunities as a teacher in high school level, lack of part-time training with stipend during study period, lack of vocational guidance, curriculum according to social, economic needs \& lack of soaching classes in junior commerce colleges were the causes of the drop-outs,. Next to it, the figures 100\%, 90\%, 10\% against the item No. 9 makes clear that difference in practical Accounting system and Accounting system in commerce stream was a cause of the drop-outs.

The figures $80 \%, 50 \%, 10 \%$, against the item No. 13 makes clear that misunderstanding in the mind of pupils about commerce stream was a cause of the drop-outs, drop-out students could not responded regarding this cause.

Lastly, figures 13.33\% and 10\% against item No. 14 show that, lack of higher education in local language was a cause of drop-outs. But above cause of the drop-out was negligible.

## SUGGESTION GIVEN BY RESPONDENTS WHILE

CONDUCTING THE INTERVIEW SCHEDULE OF
PRINCIPALS, GUARDIANSAND EXPERTS.

Five principals, Eight experts and four guardians sugoested that in each Junior Commerce College Co-ordination Committee is required to know the problem of the commerce stream \& to suggest measures to improve the standard of commerce education. The respondents suggested that committee may be consist principal, commerce teachers, business \& professional persons, industrialist, head of the Govt, and Semi Govt. officers, experts etc. to tackle the problem of commerce stream.

## IV 14 CONCLUDING REMARKS -

The present chapter is devoted to the analysis and interpretation of the teachers', principal's, guardian's, drop-out student's and expert's responses. The chapter is sub-divided in to 14 parts. The responses of the teacher's, principal's guardian's, drop-out student's and expert's regarding these parts are analysed and intrepreted hand in hand. The purpose of such type of analysis is to validate the data obtained from these various tools, i.e. questionnaire and interview schedules. The researcher now turns to the nest chapter for conclusions and recommendations based on this chapter.


[^0]:    Table No.IV. 11 shows that there is a significant and steep fall in the extents and trend of the strength from 1988-89 to 1992-93 of XII Std.

    Strength of B.P.Sulakhe Commerce College, Barsi was $36.22 \%$ and strength of Kanya Prashala, Vairag was $60.38 \%$ with compare to base year 1988-89.

    - The next table No.IV. 12 shows perception of principals regarding the total strength and percentage of Junior Commerce Colleges in Barsi taluka.

