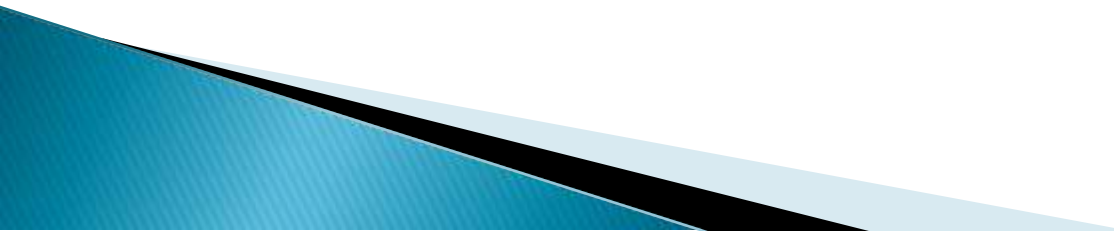


GOVT. MADAN LAL SHUKLA COLLEGE
SEEPAT, BILASPUR (C.G.)
(DEPARTMENT OF CHEMISTRY)



Welcomes
NAAC PEER TEAM

About the Department

- Our College was established in 1986.
 - The Department of Chemistry in our college was started in 2012.
- 

Course offered: UG Program

Course	Course initiated	Class	Present Intake	Current strength
UG Course (Bio + Maths)	2012	B.Sc. III	100	92
		B.Sc. II	100	77
		B.Sc. I	100+100	159

Note: 100 seats are increased from current session

Course Curriculum

Class	Papers	Titles	Theory marks	Practical marks	Total
B.Sc. I	Paper I	Inorganic Chemistry	33	50	150
B.Sc. II	Paper II	Organic Chemistry	33		
B.Sc. III			34		
Internal Assessment			10 % weightage		

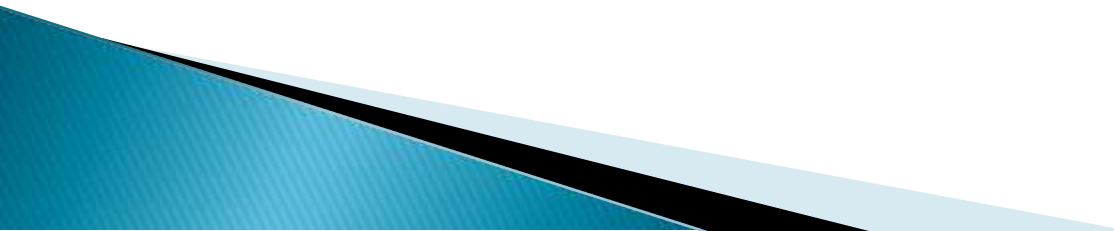
Present Faculty Strength

Faculty Position	Sanctioned	Filled
Assistant Professor	01	01
Lab Technician	01	01
Lab Attendant	01	01

DEPARTMENT OF CHEMISTRY


VISION

To impart quality education and achieve academic excellence through planning, leadership , brilliance inspiration and effectiveness.



DEPARTMENT OF CHEMISTRY

MISSION

- To improve existing infrastructural and instrumental facilities.
 - To organize referral lab and provide experiment facility as per the UGC syllabus.
 - To develop communication skills, core competence and ethics in students that they need for achieving success in life.
 - To achieve more Institute- Industry collaboration to the students level.
- 

Curriculum Development

1

- Curriculum approved by central board of studies and affiliating university is adopted by the college.

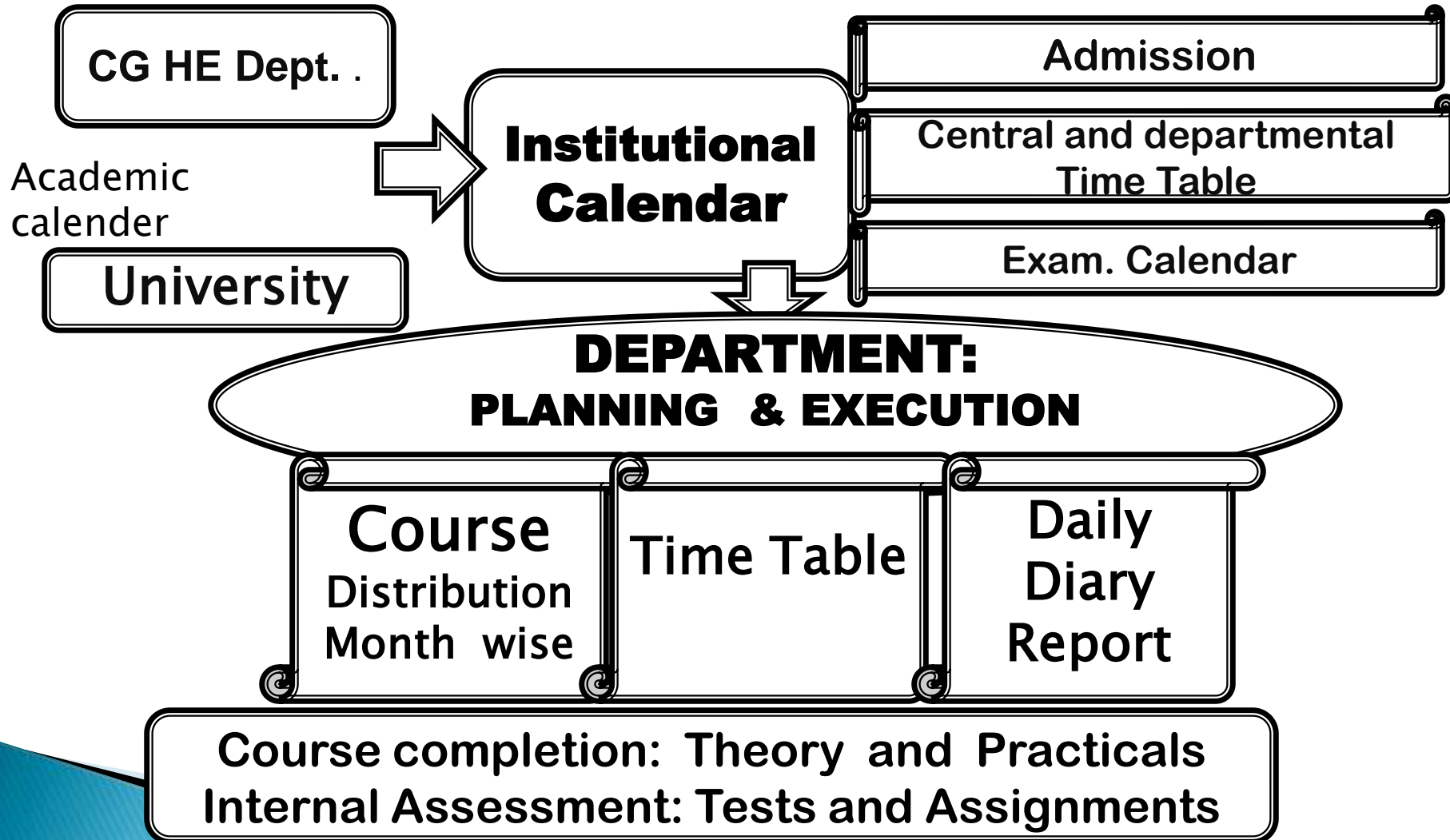
2

- Annual Academic Calendar provided by Department of Higher education Chhattisgarh.
- The college also prepares its own time table

3

- Co-curricular and extra- curricular activities is displayed on notice board

Planning & Course Completion



Delivery of curriculum

Class Room Teaching

- Chalk and Talk
- Discussion
- LCD Projector/ ICT Based
- Presentation by students
- Online classes
- Practice of numerical problems
- Doubt classes
- Revision classes

Delivery of curriculum



Online class



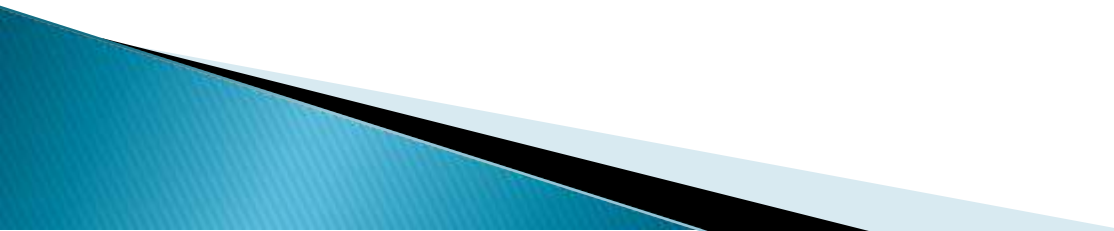
Students Presentation



ICT Based

Delivery of curriculum

Laboratory Work

- Demonstration of equipments and glass apparatus
 - Use of Chemical Balance and Digital Balance
 - Preparation of solutions
 - Preparation of practical Records
 - Calculations for Results
- 

Delivery of curriculum

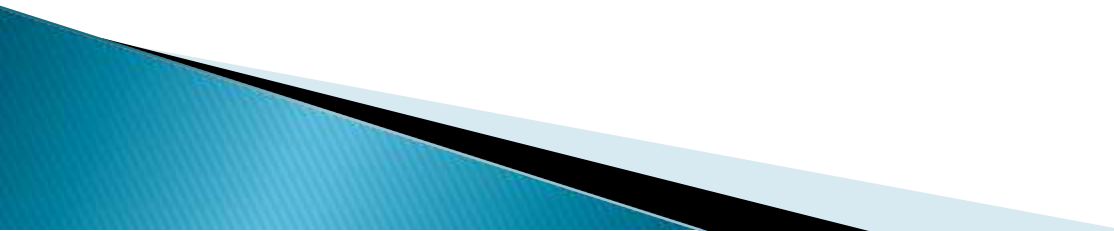


Demonstration of chemical
balance calibration



Preparation of solutions

Program Outcomes; B.Sc. Chemistry

- To understand the basic facts and concepts in chemistry.
 - To understand the importance of chemistry in daily life.
 - To develop a better understanding and reasoning of facts
 - To skill-up for basic analytical tools.
 - To skill-up for various laboratory techniques used in pharmaceutical laboratories and chemical industries.
 - To make efficient for various spectrometric analysis theoretically.
- 

DEPARTMENT OF CHEMISTRY

- List of Equipments

Polarimeter

UV-Visible Spectrophotometer



PH-meter



DEPARTMENT OF CHEMISTRY

- List of Equipments

Polarimeter

Muffle Furnace



Digital Potentiometer



DEPARTMENT OF CHEMISTRY

- List of Equipments

Polarimeter



Hot Air Oven



DEPARTMENT OF CHEMISTRY

- List of Equipments

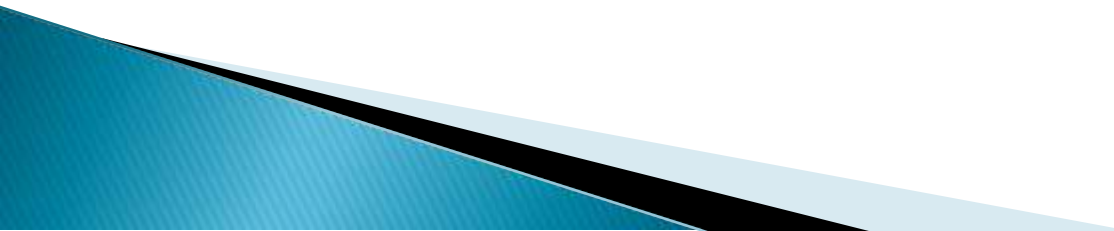
Refractometer



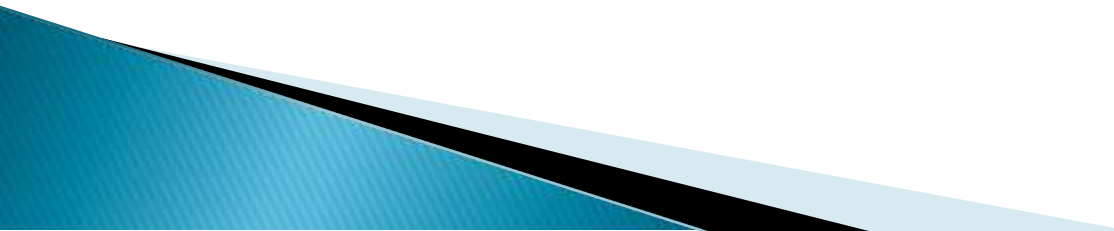
Centrifuge Machine



Identification of Slow/Advanced learners

- On the basis of previous year results
 - On the basis of expression on the face during classes
 - On the basis of internal and unit tests results
 - On the basis of level of question asked by students during classes
- 

Initiatives for Slow/Advanced learners

- By giving extra time except regular classes
 - By counselling and motivating
 - By trying to increase their self confidence
 - By giving extra task for practice
- 

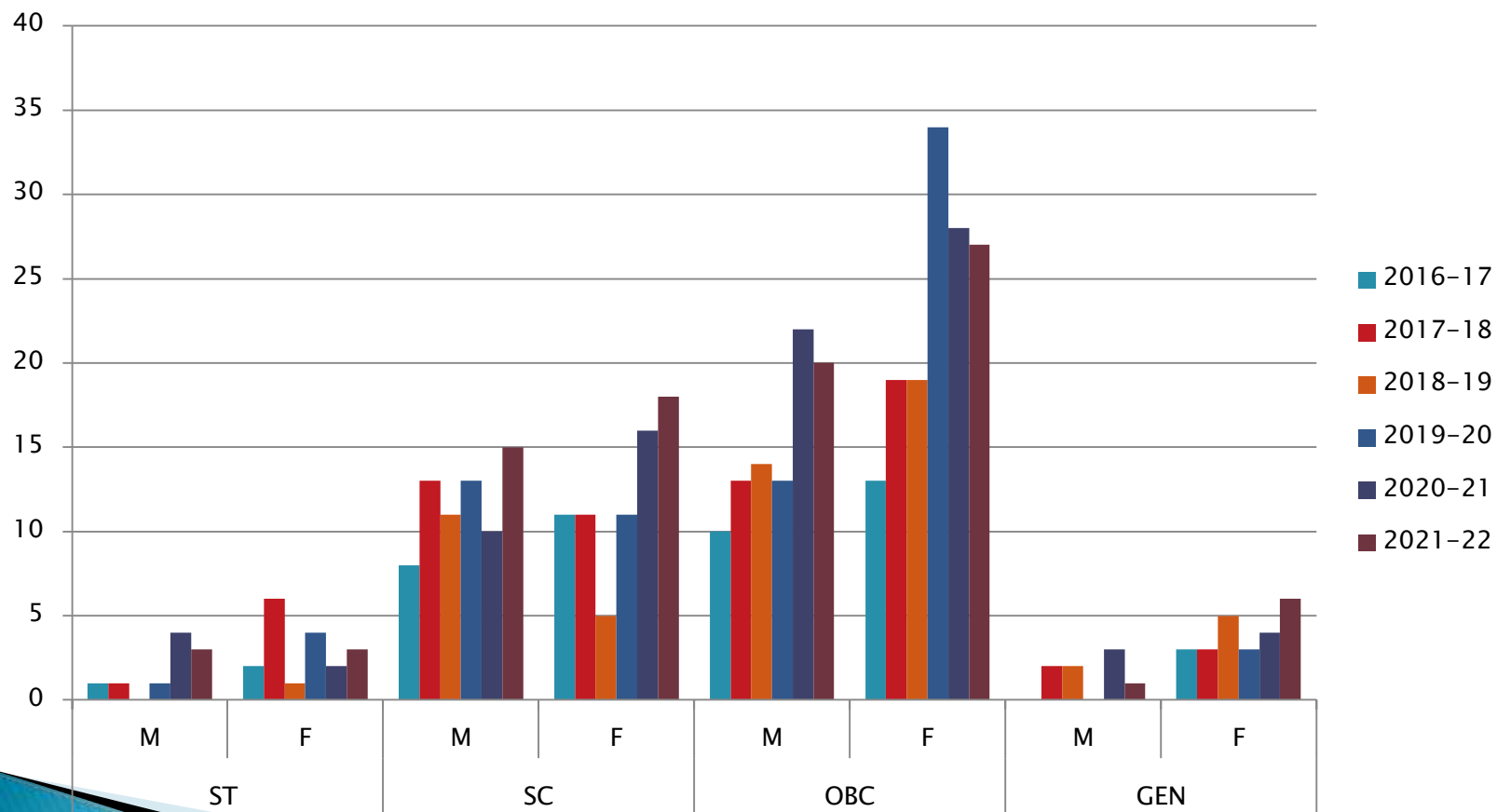
DEPARTMENT OF CHEMISTRY

Admission Details - B Sc Part III Chemistry

Years	ST		SC		OBC		GEN		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	
2016-17	1	2	8	11	10	13	0	3	19	29	48
2017-18	1	6	13	11	13	19	2	3	29	39	68
2018-19	0	1	11	5	14	19	2	5	27	30	57
2019-20	1	4	13	11	13	34	0	3	27	52	79
2020-21	4	2	10	16	22	28	3	4	39	50	89
2021-22	3	3	15	18	20	27	1	6	39	54	93

DEPARTMENT OF CHEMISTRY

Admission Details - B Sc Part III Chemistry



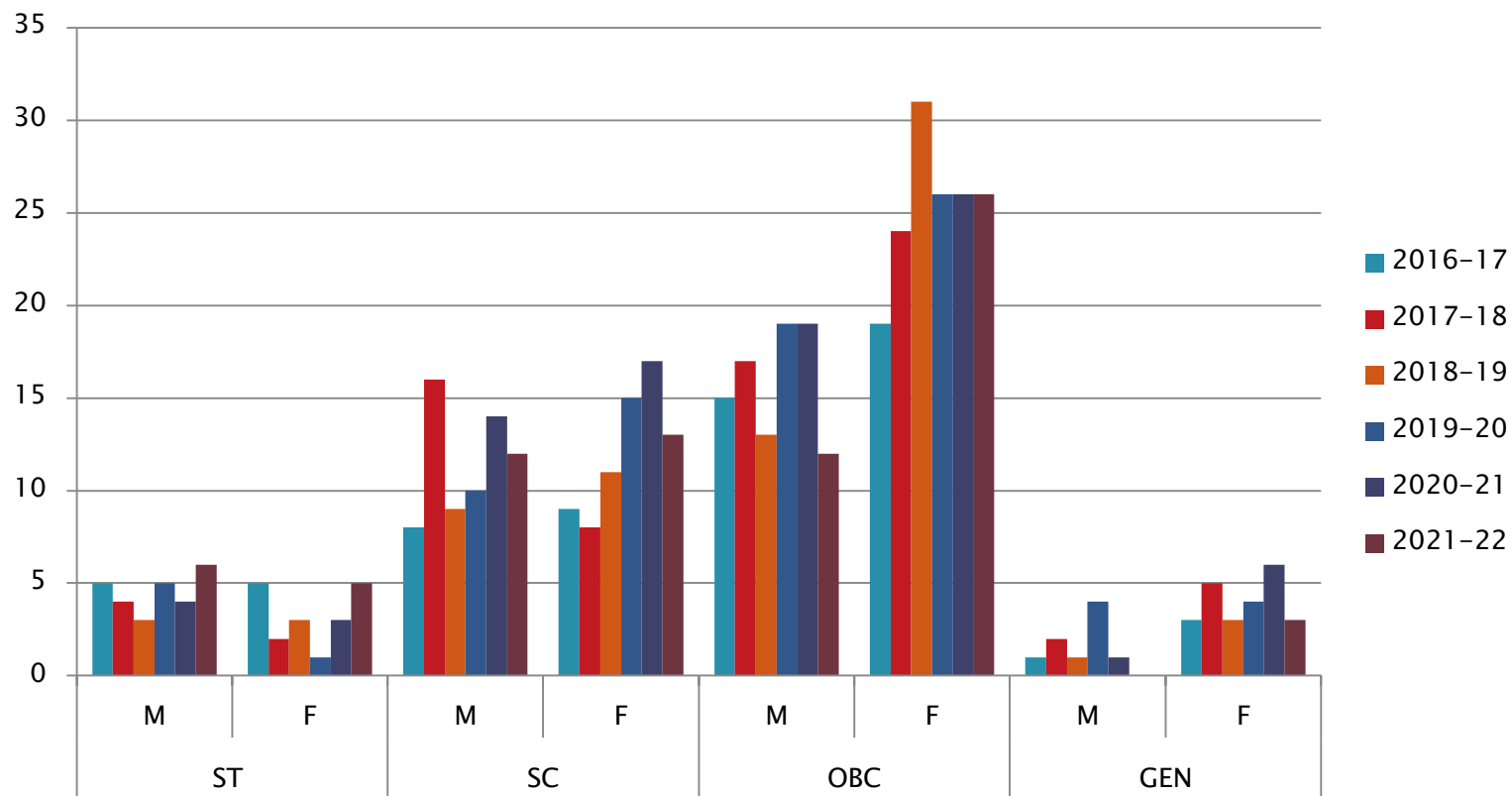
DEPARTMENT OF CHEMISTRY

Admission Details - B Sc Part II Chemistry

Years	ST		SC		OBC		GEN		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	
2016-17	5	5	8	9	15	19	1	3	29	36	65
2017-18	4	2	16	8	17	24	2	5	39	39	78
2018-19	3	3	9	11	13	31	1	3	26	48	74
2019-20	5	1	10	15	19	26	4	4	38	46	84
2020-21	4	3	14	17	19	26	1	6	38	52	90
2021-22	6	5	12	13	12	26	0	3	30	47	77

DEPARTMENT OF CHEMISTRY

Admission Details - B Sc Part II Chemistry



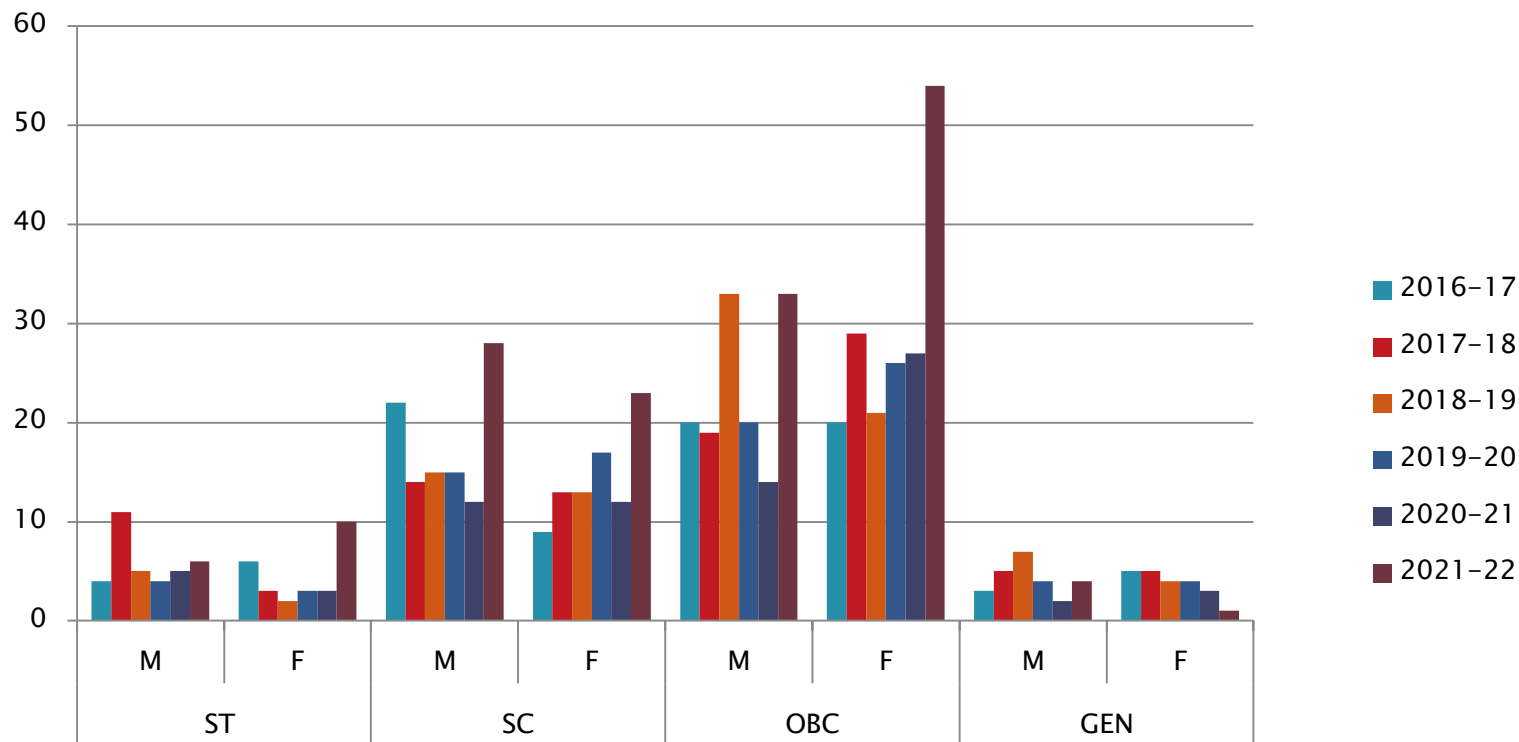
DEPARTMENT OF CHEMISTRY

Admission Details - B Sc Part I Chemistry

Admission Details - B Sc Part I Chemistry											
Years	ST		SC		OBC		GEN		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	
2016-17	4	6	22	9	20	20	3	5	49	40	89
2017-18	11	3	14	13	19	29	5	5	49	50	99
2018-19	5	2	15	13	33	21	7	4	60	40	100
2019-20	4	3	15	17	20	26	4	4	43	50	93
2020-21	5	3	12	12	14	27	2	3	33	45	78

DEPARTMENT OF CHEMISTRY

Admission Details - B Sc Part I Chemistry



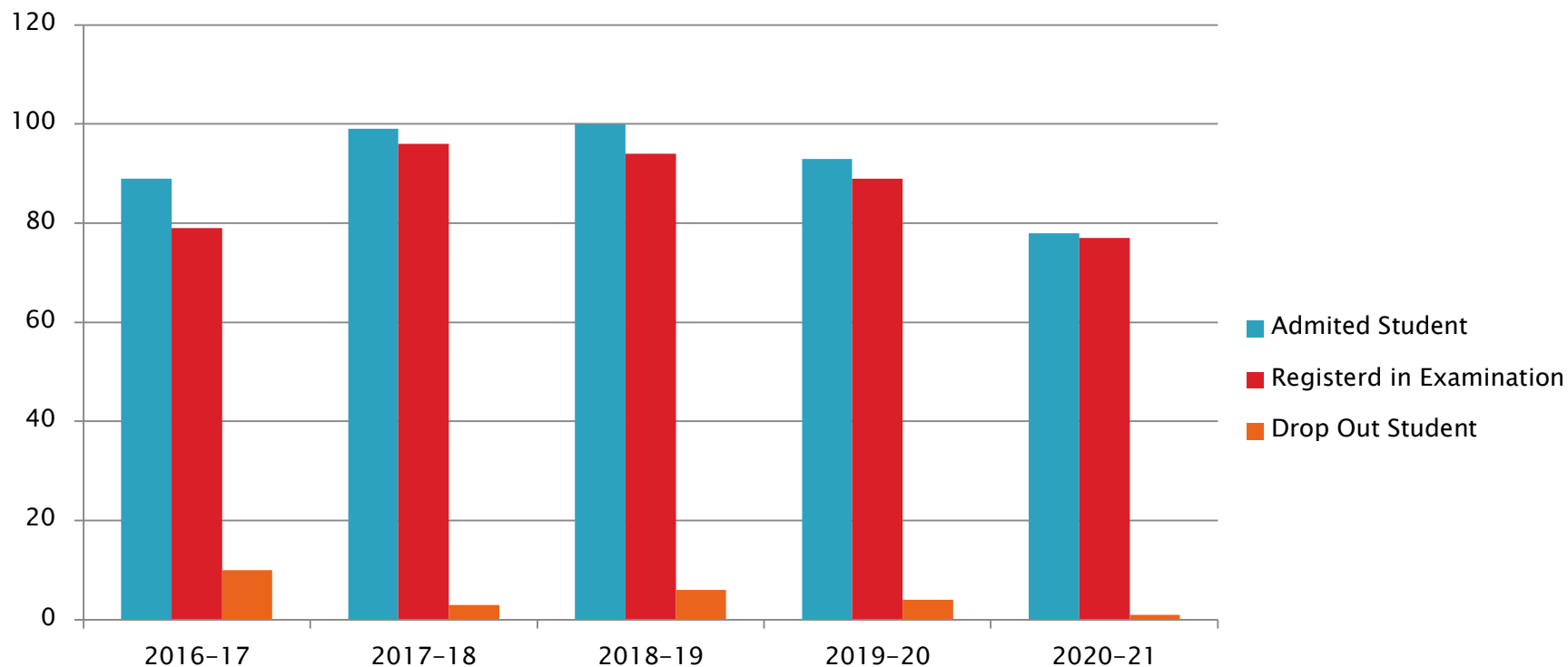
DEPARTMENT OF CHEMISTRY

Drop out Details - B Sc Part III Chemistry

Years	Admitted Student	Registered in Examination	Drop Out Student	% of Drop Student
2016-17	48	44	4	8.333333333
2017-18	68	67	1	1.47058824
2018-19	57	44	13	22.8070175
2019-20	79	75	4	5.06329114
2020-21	89	88	1	1.12359551

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Drop out Details - B Sc Part III Chemistry



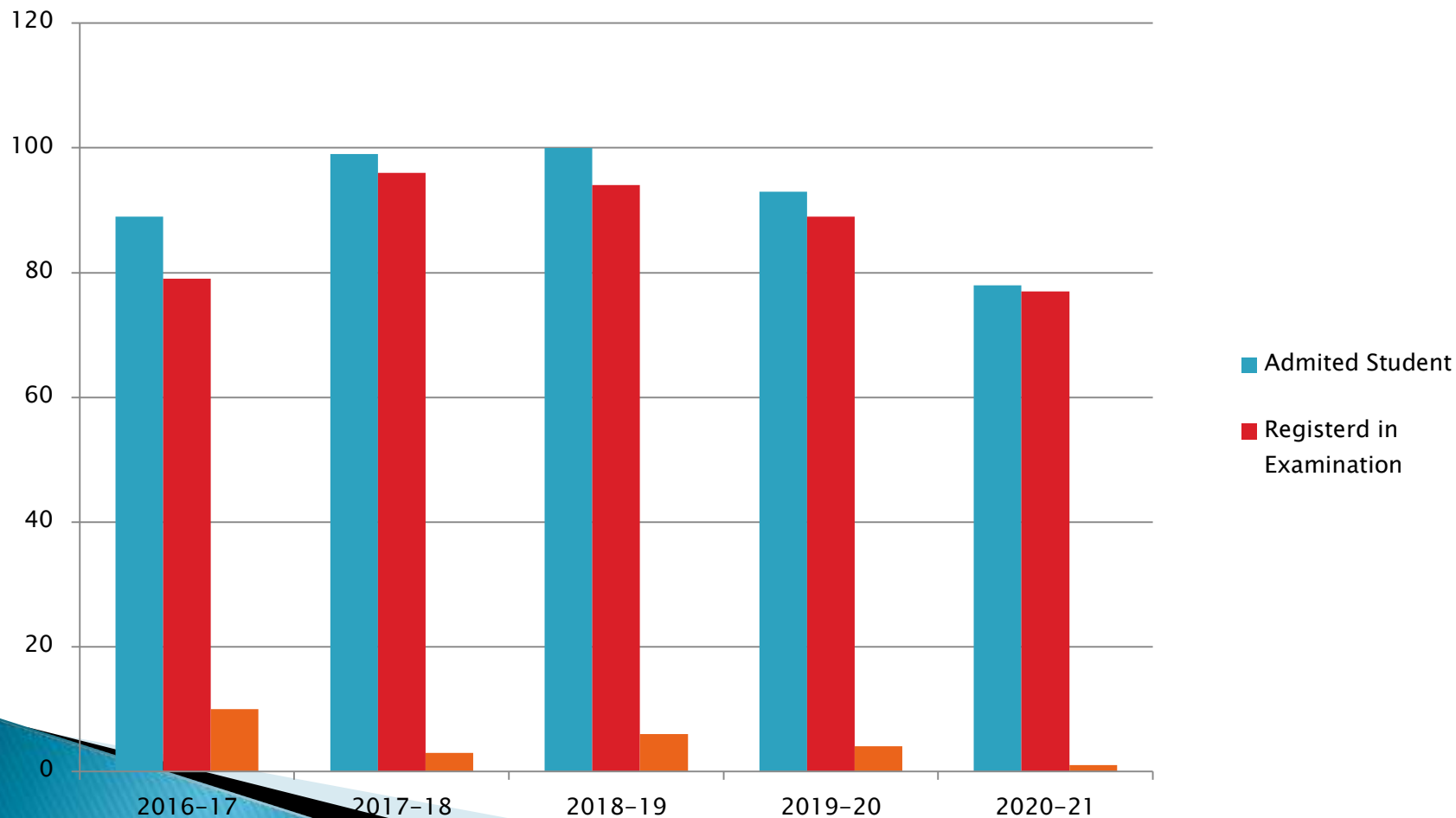
DEPARTMENT OF CHEMISTRY

Dropout Details - B Sc Part II Chemistry

Years	Admitted Student	Registered in Examination	Drop Out Student	% of Drop Student
2016-17	65	65	0	0
2017-18	78	72	6	7.69230769
2018-19	74	71	3	4.05405405
2019-20	84	80	4	4.76190476
2020-21	90	90	0	0

DEPARTMENT OF CHEMISTRY

Dropout Details - B Sc Part II Chemistry



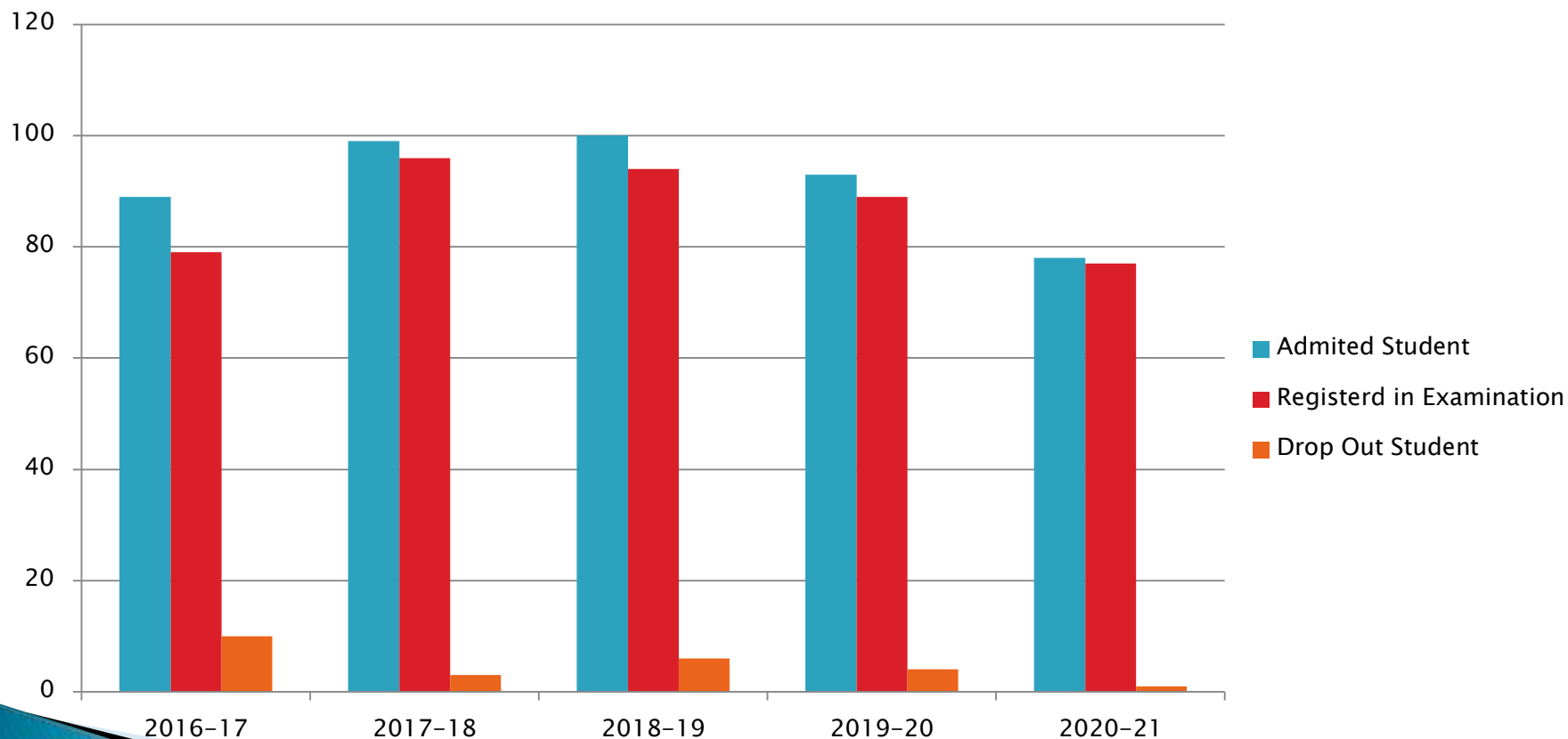
DEPARTMENT OF CHEMISTRY

Dropout Details - B Sc Part I Chemistry

Years	Admitted Student	Registered in Examination	Drop Out Student	% of Drop Student
2016-17	89	79	10	11.2359551
2017-18	99	96	3	3.03030303
2018-19	100	94	6	6
2019-20	93	89	4	4.30107527
2020-21	78	77	1	1.28205128

DEPARTMENT OF CHEMISTRY

Dropout Details - B Sc Part I Chemistry



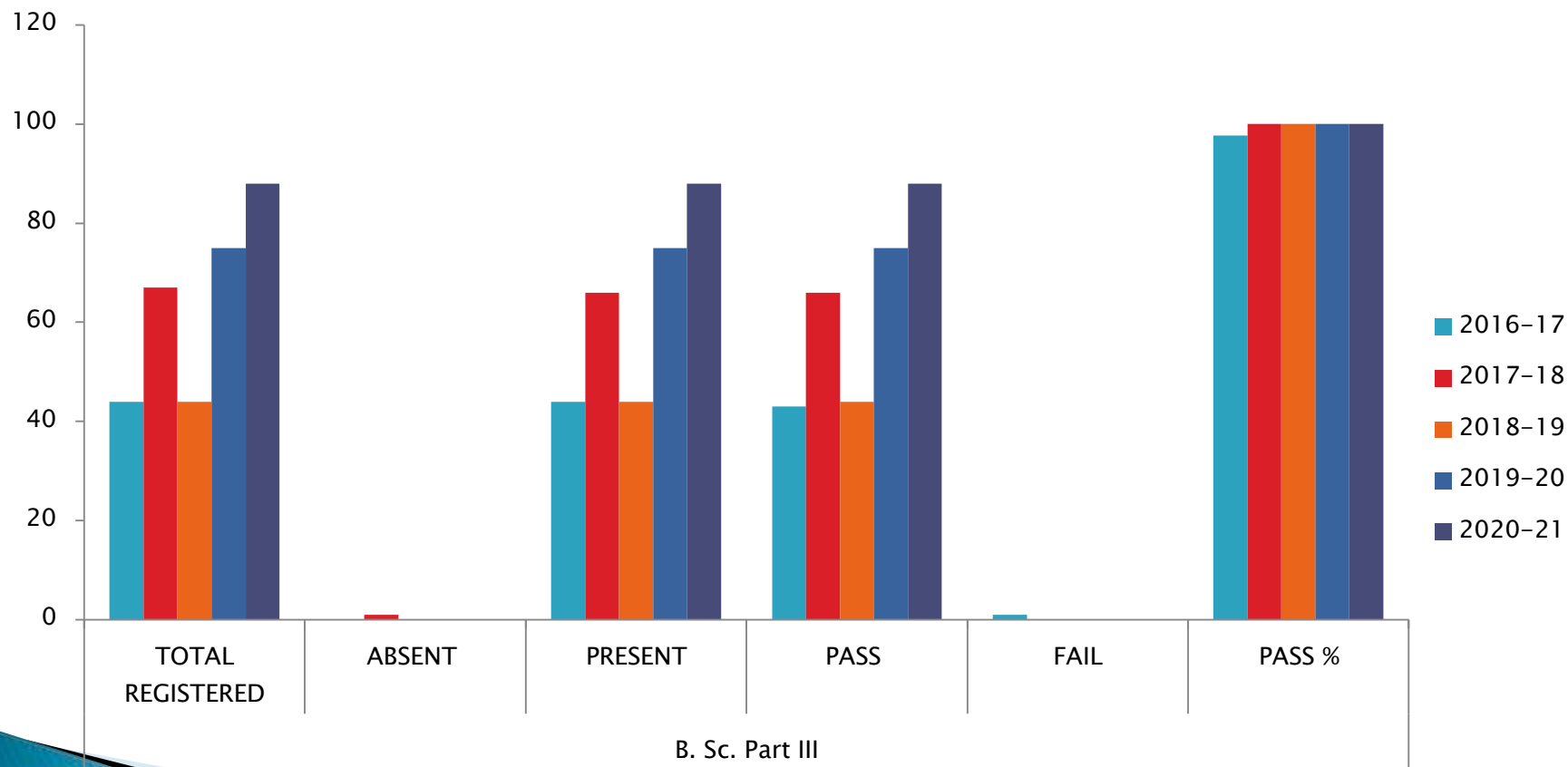
DEPARTMENT OF CHEMISTRY

RESULT ANALYSIS

YEAR	B. Sc. Part III					
	TOTAL REGISTERED	ABSENT	PRESENT	PASS	FAIL	PASS %
2016-17	44	0	44	43	1	97.73
2017-18	67	1	66	66	0	100
2018-19	44	0	44	44	0	100
2019-20	75	0	75	75	0	100
2020-21	88	0	88	88	0	100

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RESULT ANALYSIS: B.SC. III



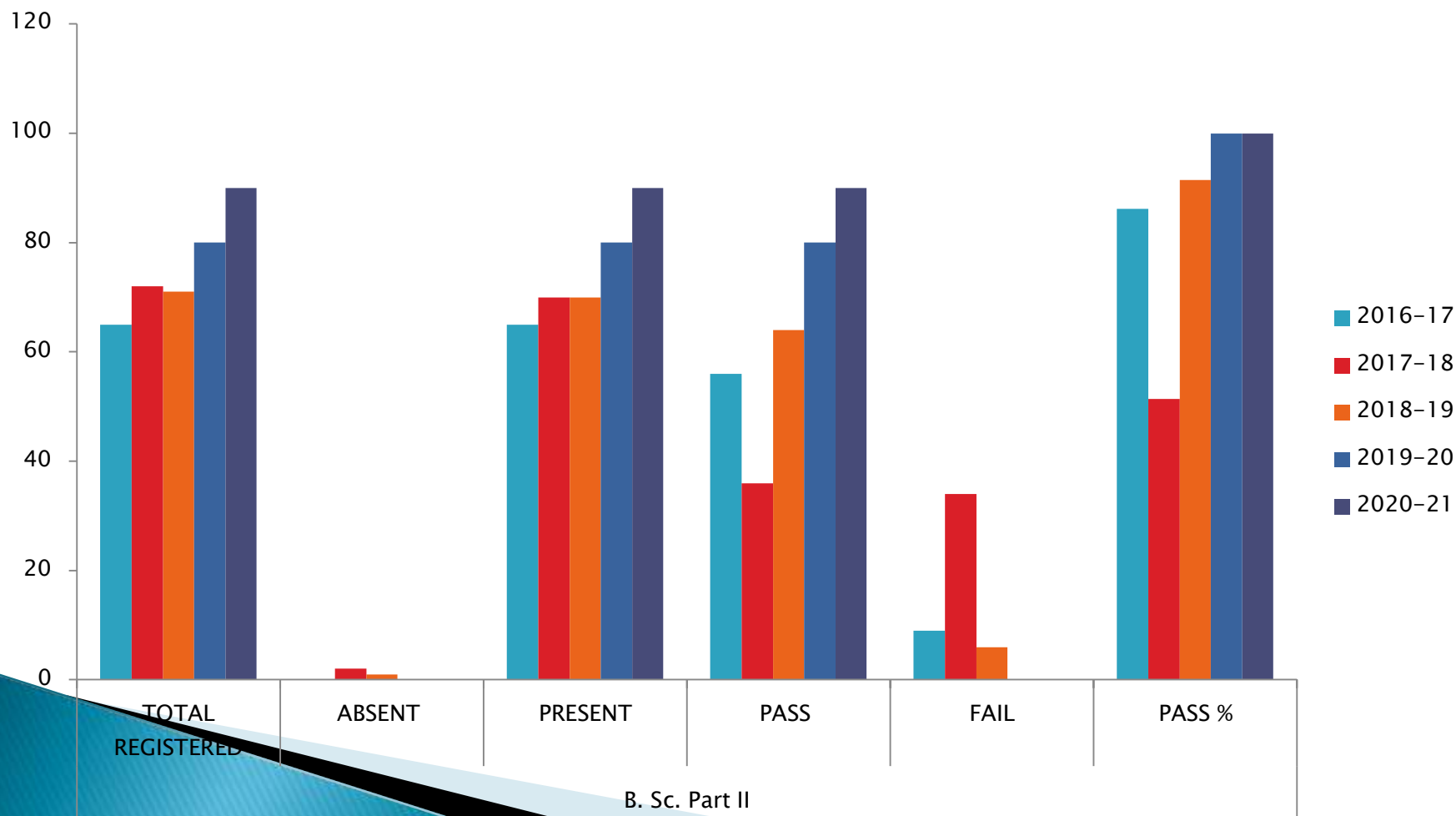
DEPARTMENT OF CHEMISTRY

RESULT ANALYSIS: B.SC. II

YEAR	B. Sc. Part II					
	TOTAL REGISTERED	ABSENT	PRESENT	PASS	FAIL	PASS %
2016-17	65	0	65	56	9	86.15
2017-18	72	2	70	36	34	51.43
2018-19	71	1	70	64	6	91.43
2019-20	80	0	80	80	0	100
2020-21	90	0	90	90	0	100

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RESULT ANALYSIS: B.Sc. II



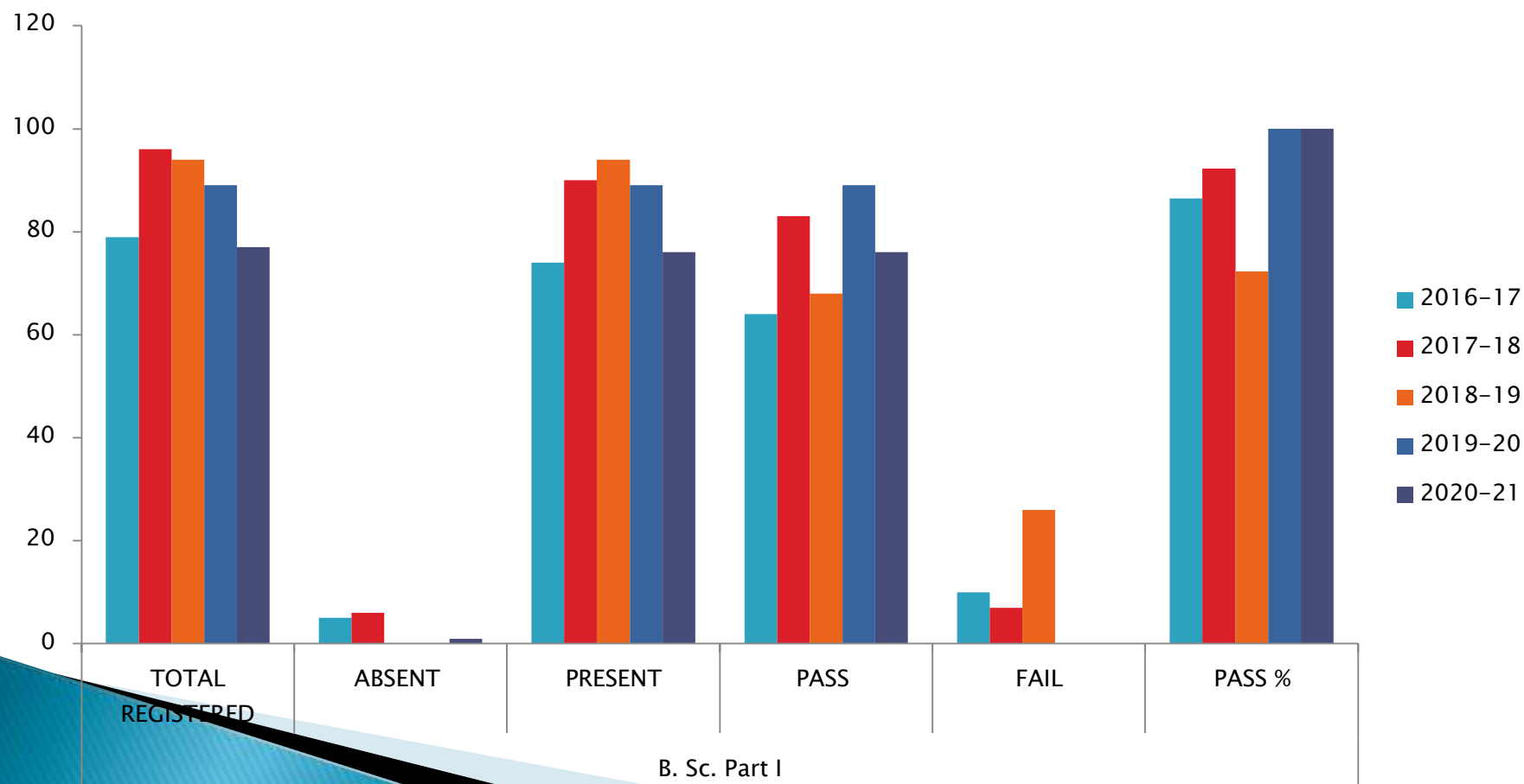
DEPARTMENT OF CHEMISTRY

RESULT ANALYSIS: B.Sc. I

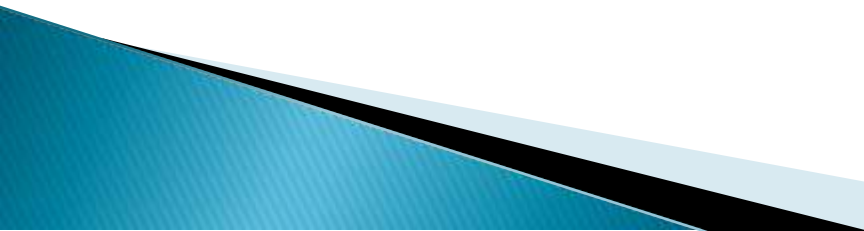
YEAR	B. Sc. Part I					
	TOTAL REGISTERED	ABSENT	PRESENT	PASS	FAIL	PASS %
2016-17	79	5	74	64	10	86.49
2017-18	96	6	90	83	7	92.22
2018-19	94	0	94	68	26	72.34
2019-20	89	0	89	89	0	100
2020-21	77	1	76	76	0	100

DEPARTMENT OF CHEMISTRY

RESULT ANALYSIS: B.Sc. I



Details of faculty member

- Name : Mrs. Vandana Shrivastava
 - Designation : Assistant Professor
 - Qualification: M.Sc.(Physical Chemistry),
NET Qualified, Pursuing Ph.D.
 - Title of Research : “A Study On Structure, Complexation
And Applications of Some Valuable Hydroxamic acids:
Experimental and Theoretical Approach”
 - Mobil No. : 8319599822
 - Email id – vandanashri.bsp@gmail.com
 - Teaching Experience : 4.5 Years
- 

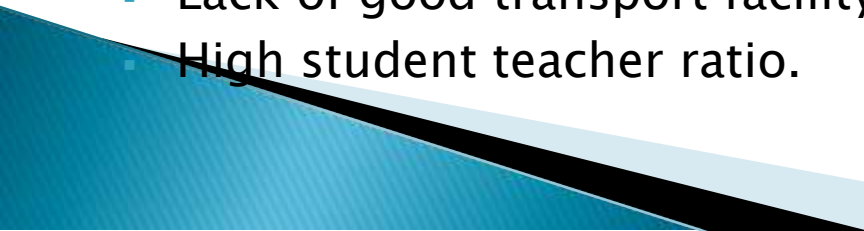
DEPARTMENT OF CHEMISTRY

SWOC

■ **Strength**

- One classroom and one laboratory are available in department of chemistry
- Well equipped lab
- Co-operative and supportive staff
- All students of B.Sc. are associated with chemistry lab which makes easy to involve the students in innovative project methods.

■ **Weakness**

- Lack of high speed network
 - Communication problem in students
 - Lack of good transport facility for students
 - High student teacher ratio.
- 

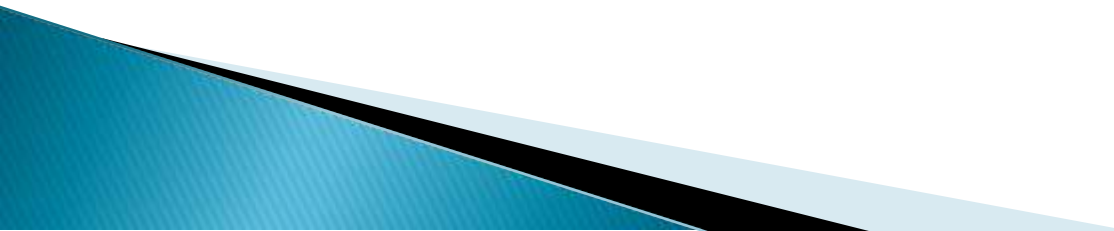
DEPARTMENT OF CHEMISTRY

SWOC

- **Opportunities**

- Providing guidance for competitive examinations.
- Encourage students for curiosity.

- **Challenges**

- To educate the students belonging to the rural areas.
 - To facilitate the economically backward students.
 - To receiving grants to start research projects.
- 

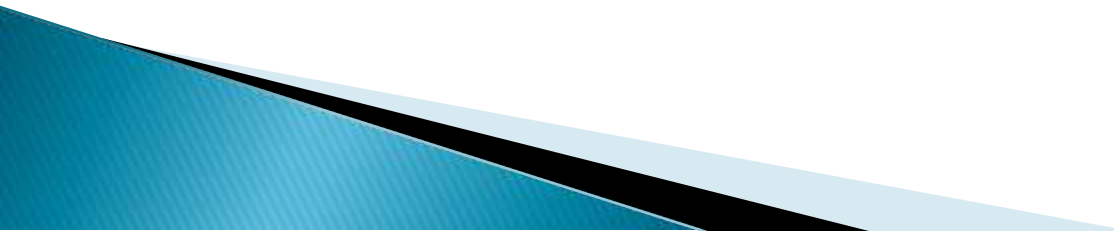
DEPARTMENT OF CHEMISTRY

Best Practice

- Continuous evaluation through class- test and personality development through student's presentation.
- Encourage students to ask questions/doubts during lectures and solving them by giving additional time.

DEPARTMENT OF CHEMISTRY

Future Plans

- To open the PG course in chemistry for the convenience of students.
 - To develop the personality in students through extension activity.
 - To develop the soil testing lab in chemistry lab.
 - To conduct International and National conference and seminar every year .
- 

THANK YOU

for VISIT
CHEMISTRY DEPARTMENT

