

Satyaniketan's

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College, Rajur, Tal. Akole, Dist. Ahilyanagar



Department of Chemistry

Result Analysis

T. Y. B. Sc. (Chemistry)

Academic Year: 2023-24

❖ Introduction:

The result analysis of T.Y.B.Sc. Chemistry for the academic year 2023–24 was conducted to evaluate the overall academic performance of students in Semester V (October 2023) and Semester VI (April 2024). The analysis highlights subject-wise performance, pass percentages, strengths, weaknesses, and recommendations for future improvement.

❖ October 2023: Sem- V

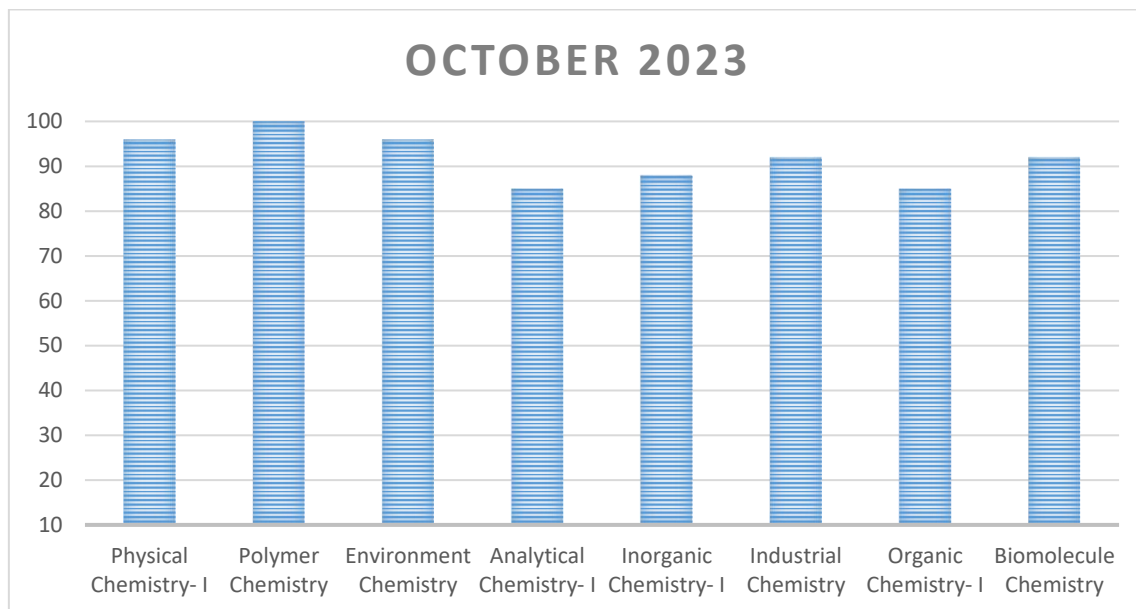
Number of students appeared: 27

Number of students passed: 20

Number of students failed: 07

❖ Analysis:

No.	Paper Code	Subject Code	Subject	Result (%)
1.	35131	CH-501	Physical Chemistry- I	96
2.	361310B	CH-510 (B)	Polymer Chemistry	100
3.	361311A	CH-511(A)	Environmental Chemistry	96
4.	35132	CH-502	Analytical Chemistry- I	85
5.	35134	CH-504	Inorganic Chemistry- I	88
6.	35135	CH-505	Industrial Chemistry	92
7.	35137	CH-507	Organic Chemistry- I	85
8.	35138	CH-508	Biomolecule Chemistry	92



❖ **Interpretation:**

- **Polymer Chemistry (100%)** recorded the highest success rate, indicating excellent understanding of the subject among students.
- **Physical Chemistry-I** and **Environmental Chemistry** achieved 96% results, reflecting strong conceptual clarity.
- **Industrial Chemistry** and **Biomolecule Chemistry** also showed excellent performance with 92% results.
- **Analytical Chemistry-I** and **Organic Chemistry-I** recorded comparatively lower results (85%), suggesting the need for additional academic support in these subjects.

❖ **Strengths:**

1. High pass percentage in most subjects.
2. Excellent performance in Polymer Chemistry.
3. Strong conceptual understanding in Physical and Environmental Chemistry.
4. Consistent results above 85% in all subjects.

❖ **Areas for Improvement:**

1. Organic Chemistry-I requires additional practice sessions.
2. Analytical Chemistry-I needs more problem-solving exercises.
3. Remedial coaching for academically weak students.

❖ **April 2024: Sem- VI**

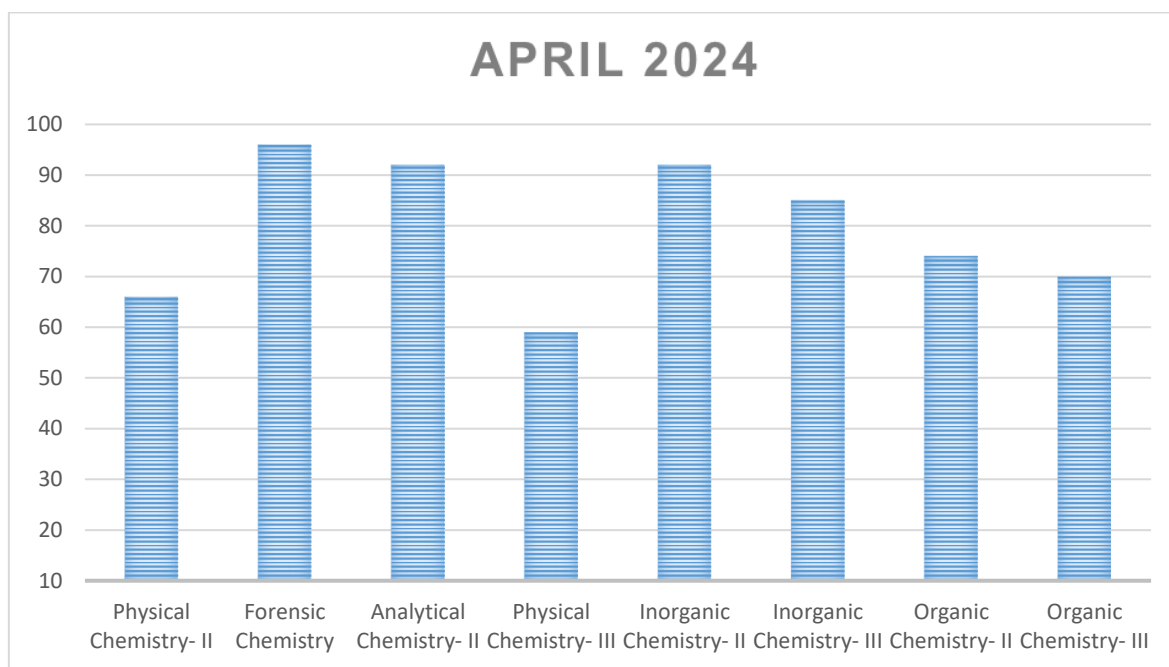
Number of students appeared: 27

Number of students passed: 13

Number of students failed:14

❖ **Analysis:**

No.	Paper Code	Subject Code	Subject	Result (%)
1.	36131	CH-601	Physical Chemistry- II	66
2.	361310B	CH-610 (B)	Forensic Chemistry	96
3.	361311A	CH-611(A)	Analytical Chemistry- II	92
4.	36132	CH-602	Physical Chemistry- III	59
5.	36134	CH-604	Inorganic Chemistry- II	92
6.	36135	CH-605	Inorganic Chemistry- III	85
7.	36137	CH-607	Organic Chemistry- II	74
8.	36138	CH-608	Organic Chemistry- III	70



❖ Interpretation:

- **Forensic Chemistry (96%)** emerged as the best-performing subject.
- **Analytical Chemistry-II** and **Inorganic Chemistry-II** showed excellent results (92%).
- **Physical Chemistry-III (59%)** recorded the lowest result and appears to be the major factor affecting the overall semester performance.
- **Physical Chemistry-II (66%)**, **Organic Chemistry-II (74%)**, and **Organic Chemistry-III (70%)** indicate moderate performance and require focused attention.

❖ Strengths:

1. Outstanding performance in Forensic Chemistry.
2. Strong results in Analytical and Inorganic Chemistry.
3. Students demonstrated better performance in application-oriented subjects.

❖ Areas for Improvement:

1. Physical Chemistry-II and III need intensive remedial teaching.
2. Organic Chemistry-II and III require more revision and numerical practice.
3. Increased student mentoring is necessary to improve overall pass percentage.