



Department of Physics

EVALUATION OF ATTAINMENT OF COURSE OUTCOMS

METHOD OF EVALUATION

There are two methods of assessment of the attainment of POs and COs of the programmes:

1. Direct Method
2. Indirect Method

Direct methods are provided through examinations or observations of student knowledge or skills against measurable course outcomes. The knowledge and skills described by the course outcomes are mapped to specific problems on University examinations, Internal Exams, and home assignments.

Average Attainment in Direct Method :

In theory Subject Papers: University Examinations + Internal Assessment

In Practical Subject Papers: University Examinations (Theory + Practicals + Internal Assessment)

The college uses tests and examinations to measure the attainment of program outcomes and course outcomes. Compulsory tests, two assignments per subject, practicals/projects (where required), and final examinations are taken according to the schedule set by the university, which the institution strictly follows. Students are shown their answer books, made aware of their shortcomings and irrelevant elaborations, and advised on how to improve their answers. The answer books are evaluated, and marks are awarded. Discussion of important questions is held with the students prior to end semester examinations. Finally, the semester-end examination conducted by the affiliating university reflects the attainment gained by the students.



Department of Physics

ATTAINMENT OF COURSE OUTCOMES

The College adopts the following recommendations of the IQAC on the process of the attainment of COs which are given below:

Level 0: Less than 40 % of the students scored more than the overall class average in the End Semester University Examination as well as Internal Assessment Marks

Level 1: 40-50 % of the students scored more than the overall class average in the End Semester University Examination as well as Internal Assessment Marks

Level 2: 50-60 % of the students scored more than the overall class average in the End Semester University Examination as well as Internal Assessment Marks

Level 3: 60% and above of the students scored more than the overall class average in the End Semester University Examination as well as Internal Assessment Marks

PROPOSED ATTAINMENT LEVEL: LEVEL 2

**MARKANDA NATIONAL COLLEGE**

Shahabad Markanda - 136135 (Kurukshetra)

Department of Physics**BACHELOR OF SCIENCE (2022-23)**

S. No	Semester	No. of students Appeared	No of students whose result is declared by university	Average Marks	No. of students who scored more than the average marks	Percentage	Level Attained
1	I	22	17	17.1	7	41.1 %	1
2	II	12	12	74.3	8	75 %	3
3	III	15	15	26	4	26 %	0
4	IV	13	13	87	7	53.8 %	2
5	V	20	20	45	13	65 %	3
6	VI	20	20	122	13	65 %	3

Average Attainment Level = Sum of level attained in all semesters/ Number of Semesters = 2.0

Thus the target attainment level is attained in the subject of Physics.

BACHELOR OF SCIENCE (2021-22)

S. No	Semester	No. of students Appeared	No of students whose result is declared by university	Average Marks	No. of students who scored more than the average marks	Percentage	Level Attained
1	I	21	17	65	9	53 %	2
2	II	18	17	99	8	47 %	1
3	III	21	21	75	14	66.7 %	3
4	IV	21	21	130	13	61.2 %	3
5	V	15	15	82	11	73.3 %	3
6	VI	15	14	112	10	71.4 %	3

Average Attainment Level = Sum of level attained in all semesters/ Number of Semesters = 2.5

Thus the target attainment level is attained in the subject of Physics.

**MARKANDA NATIONAL COLLEGE**

Shahabad Markanda - 136135 (Kuruksheetra)

Department of Physics**BACHELOR OF SCIENCE (2020-21)**

S. No	Semester	No. of students Appeared	No of students whose result is declared by university	Average Marks	No. of students who scored more than the average marks	Percentage	Level Attained
1	I	23	21	77	14	66.7 %	3
2	II	21	20	147	10	50 %	2
3	III	16	15	77	9	60 %	3
4	IV	15	15	153	9	60 %	3
5	V	17	17	79	12	70.5 %	3
6	VI	17	17	147	11	64.7 %	3

Average Attainment Level = Sum of level attained in all semesters/ Number of Semesters = 2.83

Thus the target attainment level is attained in the subject of Physics.

BACHELOR OF SCIENCE (2019-20)

S. No	Semester	No. of students Appeared	No of students whose result is declared by university	Average Marks	No. of students who scored more than the average marks	Percentage	Level Attained
1	I	23	15	36.8	9	60 %	3
2	II	17	15	111	8	53.3 %	2
3	III	17	17	41	8	47 %	1
4	IV	17	17	119	10	59 %	2
5	V	22	20	52	16	60 %	3
6	VI	22	21	158	15	71 %	3

Average Attainment Level = Sum of level attained in all semesters/ Number of Semesters = 2.33

Thus the target attainment level is attained in the subject of Physics.



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Department of Physics

BACHELOR OF SCIENCE (2018-19)

S. No	Semester	No. of student Appeared	No of students whose result is declared by university	Average Marks	No. of students who scored more than the average marks	Percentage	Level Attained
1	I	28	22	24	11	50 %	2
2	II	28	16	106	8	50 %	2
3	III	23	19	41	13	68.4 %	3
4	IV	23	20	117	10	50 %	2
5	V	27	24	33	12	50 %	2
6	VI	27	26	140	16	61.5 %	3

Average Attainment Level = Sum of level attained in all semesters/ Number of Semesters = 2.33

Thus the target attainment level is attained in the subject of Physics.