

2.6.2 Evaluation of attainment of POs and COs.

Response:

Institutional vision and mission are aimed to disseminate academic and extra-academic knowledge to obtain a significant learning outcome. The programmes and courses are designed by the affiliating university. These are contemporary and useful for students in most cases. Their usefulness to students has been reflected in the students' feedback. One of the most important methods to evaluate the learning outcome of the students is to keep a record of their progression to higher studies and placements after completing graduation and/or Post Graduation. The PO and PSO are evaluated with the help of the CO of the respective programme.

Some direct and indirect methods are followed for evaluating attainment of POs/COs.

Direct assessment measures: We have adopted a student-centric method that includes

- a) Internal Assessment: Faculty members of Vivekananda Mahavidyalaya evaluate students apart from the end-semester examinations, following the guidelines laid down by the University. Every department conducts an internal examination consisting of Students' attendance (10%), internal assessment (1A) (10%), and tutorial examination (15%).
- b) Continuous Internal Evaluation: In addition, Vivekananda Mahavidyalaya also conducts continuous internal evaluation through class tests, discussions, quiz programmes, students' seminars and project-based assignments, which help to gauge the course outcomes and provides opportunities to students for improvement.
- c) Critical Analysis of Results of End-semester Examinations: After the interpretation of the merit of the students, the level of attainment has been measured as follows:
 - Level 1: Attaining more than 60%
 - Level 2: Attaining between 50% and 60%
 - Level 3: Attaining less than 50%.

After identifying the academically weak students, departmental meetings are held to determine appropriate measures like arranging special classes for them.

Indirect assessment measures: Feedback and Placement assistance

- Feedback form is provided to each outgoing student in the form of a questionnaire that facilitates improvement of the teaching-learning process,
- Placement Cell of the college regularly conducts placement drives for those students who want to pursue their professional goals in various reputed companies.
- College also motivates students to join free coaching for various competitive examinations, conducted by the District Administrative Office.
- Students' progression record (opting for higher studies or job) for each department reflects the course outcomes.
- Add-on courses are organized to assess learning outcomes meaningfully.

Vivekananda Mahavidyalaya, Burdwan

Programme Outcomes (POs) of Bachelor of Arts (B.A.)

PO– 1	The students graduated with BA degree will acquire knowledge in the field of social sciences, literature and humanities which will enable them to understand the world, country, democracy and the society and its patterns, processes, functioning and economy.
PO– 2	They will be aware of rules, rights and responsibilities of the citizens to the self and to others.
PO – 3	They will develop knowledge in the fundamental principles, basic concepts, various theories and research methods in Literature, Humanities, Social Sciences and Political philosophies of ancient, medieval and modern thinkers.
PO – 4	They will gain knowledge on fundamental principles of grammar in Languages; the knowledge in literature will make them realize the importance of it in terms of aesthetics, mental, moral and intellectual values.
PO – 5	They will be capable enough to think and act over for the solution of various issues prevailing in the human life to make this world better than ever.
PO – 6	They will be able to understand how issues in the social science get influenced by the literature and how the literature can provide solutions to the social issues.
PO – 7	Their participation in various social and cultural activities as a part of their curriculum will enhance their analytical thinking capacity and cooperative attitude in their respective area.
PO – 8	They will develop good communication skill that will help them to express their ideas and views clearly and effectively, that will in turn enhance their employability for jobs in various sectors.
PO – 9	They will be able to think over the topics likeexistence, reason, knowledge, value, mind and language.
PO - 10	They willbe aware about the various environmental issues, its problems and solutions. They can participate into public awareness camps to make the common people conscious about the threatening conditions of our environment.

Vivekananda Mahavidyalaya, Burdwan

Programme Outcomes (POs) of Bachelor of Science (B.Sc.)

PO – 1	The students graduated with B.Sc. Degree will gain both Theoretical and Practical knowledge on their respective courses.
PO – 2	They will be able to understand the basic concepts, fundamental principles, and the scientific theories related to various scientific phenomena and their relevancies and applications in the everyday life.
PO – 3	The curriculum taught in various science subjects will enable them to pursue multi and interdisciplinary science careers in future.
PO – 4	They will acquire skill in handling scientific instruments in laboratory, planning and performing experiments in laboratory, collection, analysis and interpretation of collected data from field experiments.
PO – 5	They will develop scientific perspective not only with respect to science subjects but also to elucidate every facet of life.
PO – 6	They will develop good communication skill and confidence that will help them to express their ideas and views clearly and effectively, that will in turn enhance their employability for jobs in various sectors.
PO – 7	Field work, industry visit, laboratory visit will make them capable to design and perform scientific experiments and investigations to execute their ideas and thoughts.
PO – 8	They will be able to think critically and rationally while planning innovations and development in science and technology.
PO – 9	They will have a great contribution in Environmental Science. They will be able to measure the air quality, water pollution level, soil pollution etc. and these data may be used in Pollution Control.
PO - 10	They will have a skill in developing different vaccines and medicines that may be used for human welfare.

Attainment of Programme Outcomes and Course Outcomes are evaluated by the Institution

Programme Outcome Attainment

Vivekananda Mahavidyalaya, Burdwan offers under graduate course in Science and Humanities and Post-graduate course in Chemistry. Performance of learners in different curricular and co-curricular activities is used as measure of Programme Outcome (PO) of different courses offered by the college. Various methods are used by the college depending on the nature of programme to measure the attainment level of Programme Outcomes of the learners. Some of these methods are listed below:

- Continuous internal assessment of students in terms of unit tests, home assignments, students' seminars to evaluate their subject knowledge.
- Participation of learners in quiz contest, debate, group discussion and their interaction with teachers during classes to assess their communication skills and critical thinking.

Indirect measure of Programme Outcome Attainment is done after completion of their courses, most of the students choose for higher studies. On the other hand, college provides placement assistance through placement assistance cell to the students who want to pursue their professional goals.

In addition, the attainment of Programme Outcomes is analyzed under the following scale:

Attainment Level 1: 0-25% students succeeded in the programme in the end examination

Attainment Level 2: 26-49% students succeeded in the programme in the end examination

Attainment Level 3: 50-74% students succeeded in the programme in the end examination

Attainment Level 4: 75-100% students succeeded in the programme in the end examination

YEAR- 2021-2022

Programme Name	Students Appeared	Students Passed	Pass percentage	Attainment Level
B.A. Honours	314	310	98.73	4
B.Sc. Honours	144	144	100	4
B.A. General	352	352	100	4
B.Sc. General	59	59	100	4
M.Sc. in Chemistry	16	16	100	4

Course Outcome Attainment

Vivekananda Mahavidyalaya, Burdwan offers Under graduate courses in Science and Humanities and Post graduate course in Chemistry. Performance of learners in different curricular and co-curricular activities is used as measure of Course Outcome (CO) of different courses offered by the college. Various methods are used by the college depending on the nature of Programme to measure the attainment level of Course Outcomes of the learners.

- Continuous internal assessment of students in terms of unit tests, assignments, students' seminars to evaluate their subject knowledge.
- Involvement of students in project based works, field works, educational excursion to assess their capacity to investigate problems and subsequent development of solutions.
- Monitoring of learners based on their regularity and responsiveness in practical classes and their efficiency to handle different advanced equipments in laboratory.
- Learners' interest to use ICT techniques to acquire knowledge and skill on modern day tool usage.

In addition, the attainment of Course Outcomes is analyzed under the following scale:

Parameter – 1

Attainment Level 1: 0 – 25% students succeeded in the end examination

Attainment Level 2: 26 – 49% students succeeded in the end examination

Attainment Level 3: 50 – 74% students succeeded in the end examination

Attainment Level 4: 75% - 100% students succeeded in the end examination

Parameter – 2

Attainment Level 1: 0 -25% students succeeded in the end examination with First Class

Attainment Level 2: 26 - 49% students succeeded in the end examination with First Class

Attainment Level 3: 50 -74% students succeeded in the end examination with First Class

Attainment Level 4: 75 - 100% students succeeded in the end examination with First Class

YEAR-2021-2022

Programme code	Name of the Programme	Number of Students Appeared	Number of Students passed	Pass %	No. of First Class	%of First Class	Parameter 1 Attainment Level	Parameter 2 Attainment Level	Average Attainment
BNGH	B.A. in Bengali Honours	46	46	100	46	100	4	4	4
ENGH	B.A. in English Honours	67	64	95.5	63	98.43	4	4	4
GEOH	B.A in Geography Honours	27	27	100	27	100	4	4	4
HISH	B.A. in History Honours	50	49	98	44	89.80	4	4	4
PLSH	B.A. in Pol.Sc Honours	49	49	100	49	100	4	4	4
SNSH	B.A. in Sanskrit Honours	37	37	100	37	100	4	4	4
PHIH	B.A. in Philosophy Honours	12	12	100	10	83.33	4	4	4
MCJH	B.A. in Mass Com & Journalism	26	26	100	22	84.62	4	4	4
MTMH	B.SC. in Mathematics Honours	43	43	100	43	100	4	4	4
PHYH	B.SC. in Physics Honours	21	21	100	21	100	4	4	4
CHEH	B.SC. in Chemistry Honours	21	21	100	21	100	4	4	4
BOTH	B.SC. in Botany Honours	07	07	100	06	85.71	4	4	4
ZOOH	B.SC. in Zoology Honours	22	22	100	22	100	4	4	4
MCBH	B.SC. in Microbiology Honours	20	20	100	20	100	4	4	4
ECOH	B.A. in Economics Honours	10	10	100	05	50	4	3	3.5
STSH	B.Sc. in Statistics Honours	06	06	100	06	100	4	4	4
	B.A. GENERAL	352	352	100	314	89.20	4	4	4
	B.Sc. GENERAL	59	59	100	42	71.19	4	3	3.5
	M.Sc. in Chemistry	16	16	100	16	100	4	4	4

On a further attainment analysis, Course Outcomes (COs) of each course of the programme from the semester-I to semester – VI are mapped with Programme Outcomes (POs) of every programme and reviewed by a committee of senior faculties of the concerned programme before they are finalized. COs are mapped/correlated with POs is shown here in the following tables. For each course, attainment level of all course outcomes is arrived based on the students' performance in internal and external examinations (Direct Assessment), hence contributing for 80% in attainment calculation, whereas rest 20% attainment is calculated by the Teachers' assessment for a particular student through a questionnaire reflecting the POs of that particular programme (Indirect Assessment). Thus, the course outcome attainment is a combined result of direct and indirect assessment.

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Attainment Evaluation of Programme Outcome (PO) & Course Outcome(CO)

Department: Philosophy (Hons.)

Academic Session:2021-2022

Sl.No.	Name	Univ. Registration No.	Univ.Roll NO.	CGPA (A)	Average(75%of CGPA) (Direct Method (B)	Teacher's Assessment (out of 15) (Idirect Method) ©	Total Score (D=B+C)
1.	Ankita Basu	20190113938	190112200020	7.94	55.8	11.16	66.96
2.	Bratati Baskey	201901013979	190112200060	7.5	52.5	10.50	63.00
3.	Chaina Mistry	201901013980	190112200061	8	56.25	11.25	67.50
4.	Hafija Khatun	201901014006	190112200087	8.17	57.53	11.51	69.04
5.	Jhuma Garai	201901014022	190112200104	8.61	60.83	12.17	72.10
6.	Joydip Sarkar	201901014023	190112200105	8.28	58.35	11.67	70.02
7.	Prajeta Chatterjee	201901014083	190112200165	8.17	57.53	11.51	69.04
8.	Reshma Chowdhury	201901014122	190112200205	8.22	57.9	11.58	69.48
9.	Sk.Sabir Ahmed	201901014203	190112200288	8.17	57.53	11.51	69.04
10.	Subhankar Lakshman	201901014225	190112200311	8.44	59.55	11.91	71.46
11.	Sudeshna Mallick	201901014233	190112200319	8.06	56.70	11.34	68.04
12.	Suparna Chatterjee	201901014250	190112200335	8.11	57.08	11.42	68.50
13.	Titli Karmakar	201901014277	190112200362	7.83	54.98	10.99	65.98

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Attainment Evaluation of Programme Outcome (PO) & Course Outcome(CO)

Department: Mass-Com & Journalism

Academic Session:2021-2022

Sl.No.	Name	Univ. Registration No.	Univ.Roll NO.	CGPA (A)	Average(75%of CGPA) (Direct Method (B)	Teacher's Assessment (out of 15) (Idirect Method) ©	Total Score (D=B+C)
1.	Ankana Pal	202001014047	200112200019	8.5	56.63	11.33	67.96
2.	Antara Karak	202001014050	200112200022	8.17	57.53	11.51	69.04
3.	Anwesh Dey	202001014056	200112200028	8.22	57.90	11.58	69.48
4.	Arpita Das	202001014063	200112200035	8.83	62.47	12.50	74.97
5.	Debasmita Mondal	202001014100	200112200072	8.17	57.53	11.51	69.04
6.	Ishika Koner	202001014124	200112200096	8.06	56.7	11.34	68.04
7.	Megha Bhakat	202001014159	200112200131	8.11	57.08	11.42	68.50
8.	Murshed Rahaman	202001014181	200112200153	7.5	52.50	9.83	62.33
9.	Piya Halder	202001014199	200112200173	7.0	48.75	9.75	58.5
10.	Rohan Karmakar	202001014247	200112200221	6.94	48.30	9.66	57.96
11.	Rupam Dutta	202001014252	200112200226	7.72	54.15	10.83	64.98
12.	Sanchita Chatterjee	202001014271	200112200246	9.06	64.2	12.84	77.04
13.	Shreyasi Jash	202001014302	200112200277	8.78	62.10	12.42	74.52
14.	Sneha Samanta	202001014312	200112200287	8.33	58.73	11.75	70.48
15.	Soubantika Banerjee	202001014322	200112200297	8.33	58.73	11.75	70.48
16.	Susmita Chatterjee	202001014362	200112200339	8.00	56.25	11.25	67.50
17.	Dipta Kumar Dey	202001056158	200112200369	8.11	57.08	11.42	68.50
18.	Ishita Datta	202001015479	200112400065	8.17	57.53	11.51	69.04
19.	Tithi Rani Ghosh	202001015633	200112400202	7.61	53.33	10.67	64.00

