

The following are the program specific outcomes of the various Hons. Programs taught in the college.

Program Name	Program Specific Outcomes
BA (H) in Bengali	<p>PSO1: A graduate of Bengali (H) will be able to define, describe and appraise the history of Bengali literature and language, and the literary and cultural traditions of Bengal.</p> <p>PSO2: A graduate of Bengali (H) will be well-versed in and able to analyze aspects of literary aesthetics, elements of different literary genres, and the works of important authors in Bengali literature.</p> <p>PSO3: A graduate of Bengali (H) will be immensely suited for work in professions such as journalism, printing and publishing, teaching, public relations and communications management, as well as creative enterprises such as film, theatre, script-writing, editing, and so on.</p>

Program Name

Program Specific Outcomes

BSc (H) in Biochemistry Upon successful completion of the undergraduate program in Biochemistry,

PSO1: Demonstrate a clear understanding of biomolecules in life, achieve in-depth knowledge of their structure and functions.

PSO2: Relate their basic organic chemistry knowledge with biomolecules.

PSO3: Analyze biomolecules and organic molecules in systematic method.

PSO4: Justify laws of thermodynamics in light of biochemical reactions.

PSO5: Illustrate state-of-the-art physical as well as biochemical methods in daily life.

PSO6: Develop independent problem solving methods, undertake research under supervision.

help of in-depth scientific knowledge, with current research works in this field.

PSO8: Graduates of Biochemistry can go on to pursue many avenues of life such as research, teaching, industry-linked r&d, and so on.

Program Name	Program Specific Outcome
BSc (H) in Botany	<p data-bbox="434 282 1398 344">Upon successful completion of an undergraduate degree in Botany, students will be able to:</p> <p data-bbox="434 403 1414 465">PSO1: Demonstrate a clear understanding of disease cycle of three diseases of economic importance viz. Late blight of potato, Brown spot of Rice, Stem rot of jute.</p> <p data-bbox="434 501 1398 528">PSO2: Display a thorough knowledge of different types of flowers, fruits and seeds.</p> <p data-bbox="434 564 1382 627">PSO3: Understand the morphology and development of reproductive parts. Get an insight in to the fruit and seed development.</p> <p data-bbox="434 636 1433 698">PSO4: Develop and Apply a working vocabulary used in morphological description of plant structures.</p> <p data-bbox="434 707 1430 770">PSO5: Develop Practical skill in dissecting plant specimens and identifying the family based on dissection of floral parts.</p> <p data-bbox="434 792 1168 819">PSO6: Identify cryptogamic plant groups from plant specimens.</p> <p data-bbox="434 837 1034 864">PSO7: Get a lucid idea on different classes of plants</p> <p data-bbox="434 882 1018 909">PSO8: Develop knowledge on the microorganisms</p> <p data-bbox="434 927 1225 954">PSO9: Develop a taxonomical knowledge to identify different plants</p> <p data-bbox="434 972 1401 1034">PSO10: Explore the concept of biochemistry, physiology, genetics and other related subject and further to instigate future research on it.</p> <p data-bbox="434 1043 1318 1106">PSO11: Analyze and evaluate to handle instruments related to microbiology, pathology, genetics, tissue culture, agricultural techniques, etc</p> <p data-bbox="434 1128 1439 1191">PSO12: Support independent literary research under supervision, with the assistance of peer-reviewed academic resources and illustrate the usage of preparing reports.</p> <p data-bbox="434 1223 1404 1285">PSO13: Compose sophisticated and complex writing projects and demonstrate advanced critical thinking, including extending this knowledge to arenas of research</p> <p data-bbox="434 1308 1305 1370">PSO14: Demonstrate preliminary ideas, diversity, classification system, life cycles, economic values of viruses and Pteridophytes.</p> <p data-bbox="434 1402 1423 1464">PSO15: Apply their practical knowledges including work out, spot identification, permanent slides preparation in the research field and in the professional field as well.</p> <p data-bbox="434 1509 1382 1608">PSO16: Hands on techniques in practical classes and field visit may immensely be helpful for their application in various sections of life including higher studies, professional and socioeconomic fields.</p>

Program Name	Program Specific Outcomes
BSc (H) in Chemistry	<p data-bbox="430 280 1053 313">By the end of this program, a graduate will be able to:</p> <p data-bbox="430 358 1439 459">PSO1: Demonstrate a thorough understanding of the fundamentals of chemistry, with a grasp of all the three streams - organic, inorganic, and physical chemistry – and a degree of exposure to advanced chemistry.</p> <p data-bbox="430 481 1439 582">PSO2: Develop, through extensive practical work, a thorough understanding of laboratory management, dealing with equipment/instruments/and hazardous chemicals that require sensitive handling.</p> <p data-bbox="430 604 1439 660">PSO3: Demonstrate a grasp of laboratory management that can be extended to further r&d work and any laboratory related work.</p> <p data-bbox="430 683 1439 739">PSO4: Develop independent problem-solving methods through hands on laboratory management.</p> <p data-bbox="430 761 1439 817">PSO5: Demonstrate excellent grasp of analytical training and data analysis using Excel.</p> <p data-bbox="430 840 1439 936">PSO6: Perform in various arenas of professional life such as academics, research, industry-linked r&d, medical technology, medical representation, further specialization in microbiology and biochemistry, and so on.</p>

Program Name

Program Specific Outcomes

B.Com (H)

By the end of this program, a graduate will be able to:

PSO1: Conceptual skills: Graduates of B.Com (H) are financially literate, and display a thorough understanding of the share market and the stock exchange, as well as tasks such as tax filings.

Program Name	Program Specific Outcomes
BSc (H) in Computer Science	<p data-bbox="430 302 1037 336">By the end of this program, graduates will be able to:</p> <p data-bbox="430 358 1436 425">PSO1: Display thorough knowledge programming using C language and different data structures</p> <p data-bbox="430 448 1292 481">PSO2: Demonstrate the basic knowledge of electronics and digital circuits.</p> <p data-bbox="430 492 925 526">PSO3: Undertake development of software.</p> <p data-bbox="430 548 1356 638">PSO4: Go on to study MSc and MCA, as well as undertake research; display competence in working in diverse arenas of software development and software management.</p>

Program Name	Program Outcome
B.Sc (H) in Economics	<p>By the end of this program, graduates will be able to:</p> <p>PSO1: Demonstrate in-depth knowledge about the various theories of economics, and an understanding of how the economy works.</p> <p>PSO2: Develop ample command over mathematical and statistical tools.</p> <p>PSO3: Display command over data collection, sampling techniques, and data analysis.</p> <p>PSO4: Critically analyse economic policies.</p> <p>PSO5: Demonstrate competence in multiple arenas of work such as data analysis, risk management, financial management, economic policy, as well as academic research and teaching.</p>

Program Name	Program Specific Outcomes
BA (G) in Education	<p data-bbox="432 273 1038 306">By the end of this program, a student will be able to:</p> <p data-bbox="432 315 1410 383">PSO1: Demonstrate an understanding of human psychology and the stages of human development.</p> <p data-bbox="432 392 1297 425">PSO2: Comprehend and analyze the sociological foundations of education.</p> <p data-bbox="432 434 1433 546">PSO3: Display a grasp of the various aspects of development of a society, its rules and regulations, the process of socialization, social groups, social change and social mobility.</p> <p data-bbox="432 555 1171 589">PSO4: Recognize and appraise the need for inclusive education.</p>

Program Name	Program Specific Outcomes
BA(H) in English	<p data-bbox="435 280 1426 344">Upon successful completion of an undergraduate degree in English literature, students will be able to:</p> <p data-bbox="435 367 1426 432">PSO1: demonstrate a clear understanding of primary literary texts and genre in Indian and European (with an emphasis on British literature) literary traditions</p> <p data-bbox="435 454 1353 519">PSO2: display a thorough knowledge of forms of literary criticism and working knowledge of contemporary literary theories</p> <p data-bbox="435 542 1426 607">PSO3: analyze literary and cultural texts in individually, as well as their historical and intellectual context</p> <p data-bbox="435 629 1394 694">PSO4: analyze, evaluate and criticize existing methods of textual interpretation and carry out independent literary analysis</p> <p data-bbox="435 716 1426 804">PSO5: support independent literary research under supervision, with the assistance of peer-reviewed academic resources, and illustrate the usage of in-text and end-text citation as per industry norms</p> <p data-bbox="435 826 1434 920">PSO6: compose sophisticated and complex writing projects and demonstrate advanced critical thinking, including extending this knowledge to arenas outside of literary studies</p> <p data-bbox="435 943 1442 1039">PSO7: demonstrate competence in multiple arenas of work such as journalism, creative writing, publishing and editing, public relations and human resources management, teaching, film-making, theatre, script-writing.</p>

Name of Programme	Programme Specific Outcomes (PSO)
BA (H) in History	<p>Upon successful completion of an undergraduate degree History, students will be able to:</p> <p>PSO1: acquire a clear understanding and thorough knowledge of History as a discipline</p> <p>PSO2: equip themselves with the expertise to review historical sources</p> <p>PSO3: analyze and evaluate historical facts with objectivity</p> <p>PSO4: reflect on the contemporary situation with historical perception</p> <p>PSO5: contend the distortion of historical facts in order to uphold an unprejudiced and harmonious view of history.</p> <p>PSO6: work under supervision as research assistants for projects</p> <p>PSO7: qualify for competitive examinations for teaching in primary or secondary schools and other jobs.</p>

Program Name

Program Specific Outcomes

BA (H) in Journalism &
Mass Communication

Upon successful completion of an undergraduate degree in students will be able to:

PSO1: demonstrate a clear understanding of Communication and Mass Communication

PSO2: display a thorough knowledge of Contemporary Media and analyze their effects,

PSO3: analyze, evaluate and criticize various models and theories of Communication.

PSO4: Learn the ropes of Print Journalism and demonstrate their knowledge of Media in the practical field.

Program Name

Program Specific Outcomes

BSc (H) in Mathematics By the end of this program:

PSO1 : Mathematics Honours Course of the University of Calcutta has been so designed that the students may develop expertise in the various aspects of Mathematics and prepare themselves for numerous competitive examinations.

PSO2: Studying Mathematics helps in securing jobs in Statistics, Cryptography, Actuarial Science and Mathematical modelling.

PSO3: Students can pursue career for higher studies and research in the field of Engineering, Information Technology, Computer Science and Social Science. The course is a pre-requisite for further studies in Insurance, Economics, Astronomy, Banking and Accountancy.

PSO4: Students pursuing Mathematics Honours are eligible for teaching in Primary, Upper Primary, Secondary and Higher secondary schools. They are also eligible for various public sector jobs through UPSC.

Program Name

Program Outcomes

BSc (H) in
Microbiology

students will be able to know what the subject Microbiology deals with.

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Program Name

Program Specific Outcomes

BA (H) in Philosophy	<p>Graduates of this program will be able to:</p> <p>PSO1: demonstrate Indian and Western thoughts of Philosophical ideals.</p> <p>PSO2: display a thorough knowledge of different epistemological and metaphysical theories of Philosophy.</p> <p>PSO3: analyze the interconnectivity of different Indian and Western Philosophical thoughts.</p> <p>PSO4: analyze, evaluate and criticize existing philosophical thoughts and develop independent theories regarding these thoughts.</p> <p>PSO5: support independent research under supervision.</p> <p>PSO6: produce independent writing on Philosophical thoughts, which is very much relevant for the betterment of society.</p>
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Program Name	Program Specific Outcomes
B.Sc (H) in Physics	<p>Upon successful completion of an undergraduate degree in Physics (H), the graduate will be able to:</p> <p>PSO1: Demonstrate sufficient proficiency in the mathematical concepts necessary for the proper understanding of physics.</p> <p>PSO2: Acquire thorough knowledge of topics such as classical mechanics, thermodynamics, electrodynamics, and so on, and apply the same to analyze a variety of physical phenomena.</p> <p>PSO3: Display competence in laboratory management and hands-on experimentation.</p> <p>PSO4: Display capacity for scientific communication and the ability to undertake independent problem-solving related specifically to Physics-related topics.</p> <p>PSO5: Pursue various avenues in life such as higher education and research; industry-linked r&d and laboratory management; defence; engineering; teaching; government and civil service.</p>

Name of Program	Program Specific Outcomes
BA(H) in Political Science	<p data-bbox="432 293 1038 327">Upon completion, graduates of this program will be:</p> <p data-bbox="432 360 1406 461">PSO1: Well-versed in global politics, human rights, Indian government and politics, comparative government, and such burning issues such as environment, gender discrimination, and so on.</p> <p data-bbox="432 488 1385 555">PSO2: The student will be able to address competently the fault lines of the Indian polity, and will emerge as a responsible citizen of India.</p> <p data-bbox="432 573 1369 640">PSO3: Students of Political Science develop lifelong skills and abilities that have served the Indian Civil Services and the bureaucracy over the years.</p>

Program Name	Program Specific Outcomes
BA (H) in Sanskrit	<p>After completion of an undergraduate degree in Sanskrit language and literature,</p> <p>PSO1: Demonstrate a clear understanding of literary texts and Ancient Indian literary traditions composed in Sanskrit literature.</p> <p>PSO2: Display a fair knowledge of forms of literary criticism and working knowledge of literary theories.</p> <p>PSO3: Analyze Vedic and Classical texts in individually, as well as their linguistic, philosophical and historical context.</p> <p>PSO4: Analyze, evaluate and criticize the methods of text reading and their textual interpretations and carry out independent literary analysis.</p> <p>PSO5: Get a proper sense of Sanskrit vocabulary and grammatical construction.</p>

Program Name	Program Specific Outcomes
BA(H) in Sociology	<p>After completion of the UG course in Sociology successfully, students will be able to:</p> <p>PSO1: Develop sociological consciousness and perspectives to analyse social events and problems.</p> <p>PSO2: Students will develop critical thinking ability and reflexivity to debunk common sense ideas and explore questions like 'how' and 'why' things occur in society</p> <p>PSO3: Gather good knowledge about the different sociological concepts and differentiate them from common sense knowledge.</p> <p>PSO4: Develop knowledge and contribute to the study of Indian society, its structure, issues and challenges.</p> <p>PSO5: Develop analytical skills, observe and then arrive at a conclusion on social events instead of being judgmental.</p> <p>PSO6: Perform independent research on social issues and problems under supervision and with the help of different academic resources.</p> <p>PSO7: Sociology shares knowledge and subject matter with other social science disciplines also. Sociological knowledge will help them to specialise in other sub</p> <p>PSO8: A proper training in the programme helps the students to find job positions in several fields like journalism, HRD, NGOs and social work, counselling and many more since it offers a critical understanding of human society, its structure and processes.</p>

Program Name	Program Specific Outcomes
BSc (G) in Statistics	<p>Upon successful completion of these courses in Statistics, students will be able to</p> <p>PSO1: Demonstrate a clear understanding of the concepts of statistical data and the collection and presentation of the same in tabular and graphical forms</p> <p>PSO2: Study the characteristics of data and data handling for its analysis</p> <p>PSO3: Study the linear relationship or correlation coefficient between bivariate data and for further prediction using regression methods</p> <p>PSO4: Discuss and develop the concepts of Probability theory and be familiar with a variety of examples in solving probability problems</p> <p>PSO5: Demonstrate the versatility to work with random variables and evaluate mean, variance and moments</p> <p>PSO6: Display in- depth knowledge of various probability distributions and their properties like Binomial, Poisson , Normal and others and their fitting in real life situations</p> <p>PSO7: Develop independent problem-solving skills through hands-on practical work</p>

Program Name	Program Specific Outcomes
BSc (H) in Zoology	<p data-bbox="517 230 1522 264">Upon successful completion of an undergraduate degree in Zoology, students will be</p> <p data-bbox="517 275 1437 342">PSO1: Demonstrate a clear understanding of basic non-chordate classification schemes, and of nucleic acids and cell organelles</p> <p data-bbox="517 360 1493 465">PSO2: Display a thorough knowledge of anatomy, morphology, physiology and ethology of various non-chordates in general, and some representative animals specifically, and of genetic phenomena that go on at the molecular level of the cell</p> <p data-bbox="517 506 1522 539">PSO3: Analyze various aspects of the cell cycle, apoptosis, cancer and cell signalling</p> <p data-bbox="517 573 1094 607">PSO4: Become technically competent in order to:</p> <ul data-bbox="517 618 1533 1021" style="list-style-type: none"> <li data-bbox="517 618 1187 651">* Identify and discuss whole mounts of various protozoa <li data-bbox="517 663 1414 696">* Stain and mount various gut parasites of specific animal model prescribed <li data-bbox="517 707 1437 741">* Get a basic understanding of certain universal molecular biology techniques <li data-bbox="517 752 1318 786">* Demonstrate a broad understanding of specific chromosome types <li data-bbox="517 797 1509 831">* Quantify genomic DNA, run agarose gels, and histologically stain DNA and RNA <li data-bbox="517 842 1533 875">* Do anatomical studies of various organ systems of specific animal model prescribed <li data-bbox="517 887 1501 954">* Demonstrate a broad understanding of various meiotic stages from specific organ system of prescribed animal and plant models <li data-bbox="517 965 1517 1021">* To prepare permanent slides in order to identify Barr body, DNA and cell viability from prescribed animal models