



HINDU COLLEGE
University of Delhi

Course Outcomes – Program Outcomes (COPO) Mapping and Attainment

Program Outcomes (PO): B.Sc. (H) Zoology

PO1: Students will study and acquire complete knowledge of disciplinary as well as allied biological sciences. At the end of graduation, they should possess expertise which will provide them competitive advantage in pursuing higher studies from India or abroad; and seek jobs in academia, research or industries.

PO2: Students should be able to identify, classify and differentiate diverse chordates and non-chordates based on their morphological, anatomical and systemic organization.

PO3: They will be able to describe the economic, ecological and medical significance of various animals in human life.

PO4: Acquired practical skills in biotechnology, biostatistics, bioinformatics and molecular biology can be used to pursue a career as a scientist in the drug development industry in India or abroad.

Course Outcomes (CO): B.Sc. (H) Zoology

Sem	Code	Course	CO	Statement
I	32231101	Non-Chordates I: Protista to Pseudocoelomates	CO1	Learn about the importance of systematics, taxonomy and structural organization of animals.
			CO2	Appreciate the diversity of non-chordates living in varied habit and habitats.
			CO3	Understand evolutionary history and relationships of different non-chordates through functional and structural affinities.
			CO4	Critically analyse the organization, complexity and characteristic features of non-chordates making them familiarise with the morphology and anatomy of representatives of various animal phyla.
II	32231201	Non-Chordates II: Coelomates	CO1	Learn about the importance of systematics, taxonomy and structural organization of animals.
			CO2	Appreciate the diversity of non-chordates living in diverse habit and habitats.
			CO3	Understand evolutionary history and relationships of different non-chordates through functional and structural affinities.
			CO4	Critically think about the organization, complexity and characteristic features of non-chordates.
III	32231301	Diversity Of Chordates	CO1	Understand different classes of chordates, level of organization and evolutionary relationship between different subphyla and classes, within and outside the phylum.

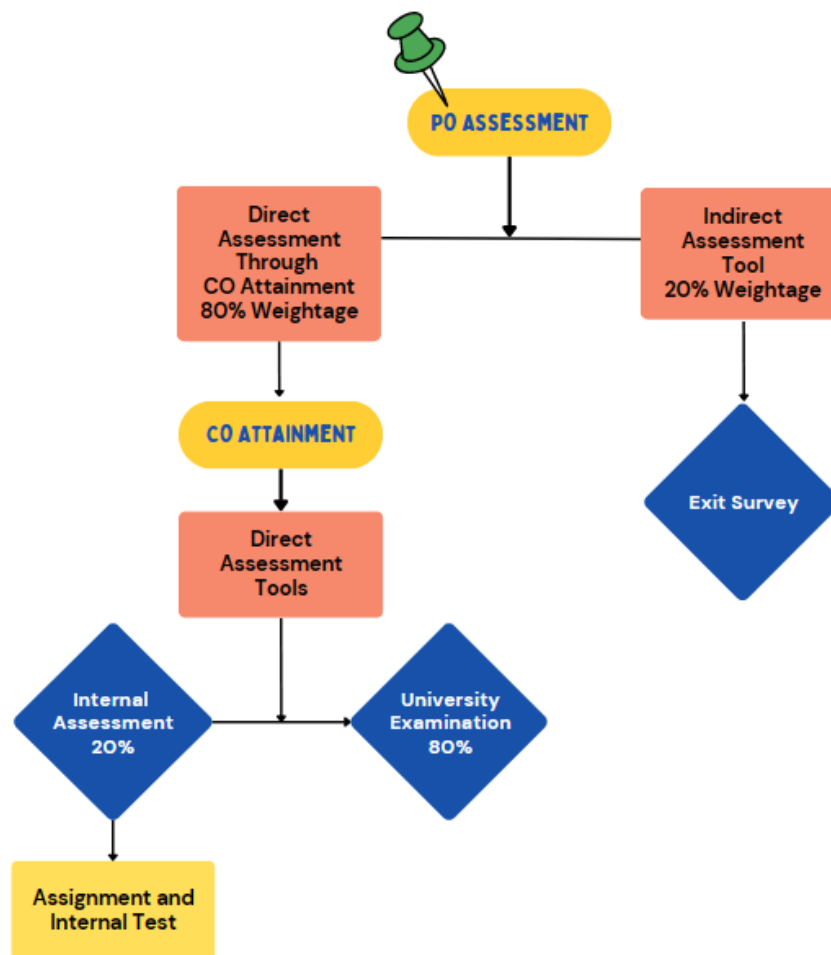
			CO2	Study about diversity in animals making students understand about their distinguishing features.
			CO3	Appreciate similarities and differences in life functions among various groups of animals in Phylum Chordata.
			CO4	Comprehend the circulatory, nervous and skeletal system of chordates.
IV	32231401	Comparative Anatomy of Vertebrates	CO1	Explain comparative account of the different vertebrate systems.
			CO2	Understand the pattern of vertebrate evolution, organisation and functions of various systems.
			CO3	Learn the comparative account of integument, skeletal components, their functions and modifications in different vertebrates.
			CO4	Understand the evolution of heart, modification in aortic arches, structure of respiratory organs used in aquatic, terrestrial and aerial vertebrates; and digestive system and its anatomical specializations with respect to different diets and feeding habits.
V	32231502	Principles Of Genetics	CO1	Have a deeper understanding of the varied branches of the biological sciences like microbiology, evolutionary biology, genomics and metagenomics.
			CO2	Gain knowledge of the basic principles of inheritance.
			CO3	Analyse pedigree leading to development of analytical skills and critical thinking enabling the students to present the conclusion of their findings in a scientific manner.
			CO4	Know the mechanisms of mutations, the causative agents and the harmful impact of various chemicals and drugs being used in day to day life.
VI	32231602	Evolutionary Biology	CO1	Acquire problem solving and high order analytical skills by attempting numerical problems as well as performing simulation studies of various evolutionary forces in action.
			CO2	Apply knowledge gained, on populations in real time, while studying speciation, behaviour and susceptibility to diseases.
			CO3	Gain knowledge about the relationship of the evolution of various species and the environment they live in.
			CO4	Get motivated to work towards mitigating climate change so that well adapted species do not face extinction as a result of sudden drastic changes in environment.

COPO Mapping: B.Sc. (H) Zoology

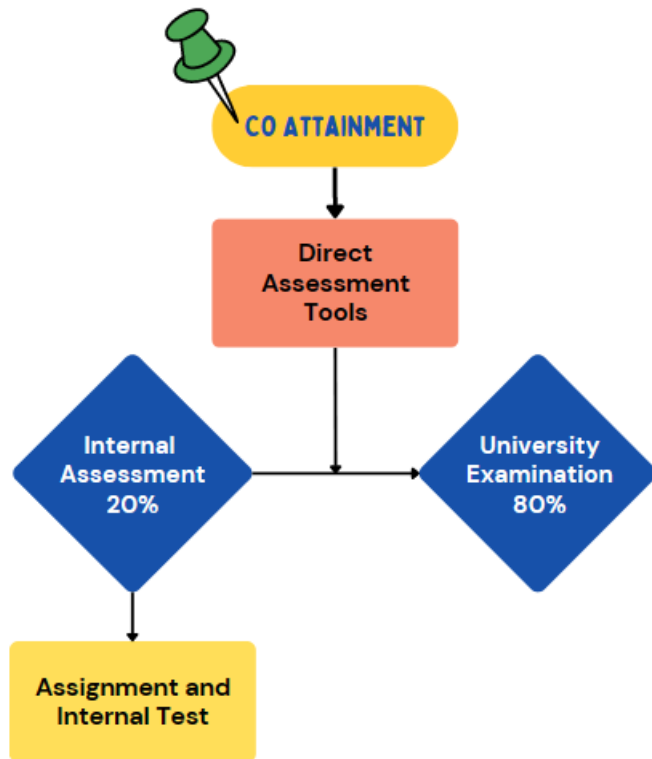
Sem	PO	PO1	PO2	PO3	PO4
	CO				
I	CO1	x			
	CO2	x			
	CO3		x		
	CO4		x		
II	CO1	x			
	CO2		x		
	CO3		x		
	CO4		x		
III	CO1		x		
	CO2			x	
	CO3			x	
	CO4			x	
IV	CO1		x		
	CO2		x		
	CO3			x	
	CO4				x
V	CO1			x	
	CO2			x	
	CO3				x
	CO4				x
VI	CO1				x
	CO2			x	
	CO3				x
	CO4			x	

Attainment of COs and POs in B.Sc. (H) Zoology

Assessment Tools:



CO Attainment Tools:



Internal Assessment Score:

- The internal assessment score is determined as per the following rubrics:

Range (% of attempts \geq 60%)	Level of Attainment	
≥ 80 %	3	High
>70 to <80 %	2	Medium
60-70 %	1	Low

University Examination Score:

- The University examination score is determined as per the following rubrics:

Range (% of attempts \geq 60%)	Level of Attainment	
≥ 80 %	3	High
>70 to <80 %	2	Medium
60-70 %	1	Low

Overall CO Attainment

- The overall CO attainment is calculated on a scale of 3 by considering 80 % of the level of attainment from University examination and 20% of the level of attainment from Internal assessment.

Program: B.Sc. (H) Zoology
Course Name: Non-Chordates I: Protista to Pseudocoelomates
Course Code: 32231101
Semester I
Attainment (Direct Assessment)

Roll No.	Name	Internal Assessment Out of 25	University Exam. Out of Scale 10	University Exam. (Percentage = scale 10*9.5)
19026569001	RAJAT SHARMA	23	10	95
19026569002	AFLAH SHADIL	20	9	85.5
19026569003	KAVYA I. K.	22	9	85.5
19026569004	GAURAV KUMAR	17	7	66.5
19026569005	ABHISHEK .P	12	7	66.5
19026569006	GOURAV KUMAR	22	10	95
19026569007	JATOTH RAMANAND	19	8	76
19026569008	SUYASH LABH	22	9	85.5
19026569009	MR. VISHAY SOOD	19	9	85.5
19026569010	SHAHID ALI	6	7	66.5
19026569011	VAISHNAVI ULLAS	19	9	85.5
19026569012	ALAKANANDA K	16	8	76
19026569013	MANGALAPELLY ROHITH RAJ	20	9	85.5
19026569014	AMAYA VIKRAMA RAJE	24	10	95
19026569015	TAHSEEN MALIK	17	9	85.5
19026569016	DESHBANDHU JAT	9	8	76
19026569017	SARGAM	21	10	95
19026569018	CHARU AGGARWAL	20	9	85.5
19026569019	NEHA	17	9	85.5

19026569022	SHRISTY KOTHIWAL	18	9	85.5
19026569023	AYUSHI MISHRA	20	10	95
19026569024	PRAKRITI DEVI	21	10	95
19026569025	DHAKSHINADI BALA CHANDU	13	10	95
19026569026	NIKITA KOCHHAR	14	8	76
19026569027	KANIKSHA	13	10	95
19026569028	SHRASHTI SHRIVASTAVA	21	9	85.5
19026569029	KAVYA TRIPATHI	22	9	85.5
19026569030	KHUSHBOO DHULIYA	22	5	47.5
19026569031	BHAWNA	18	9	85.5
19026569032	AKANSHA ARORA	22	9	85.5
19026569033	PRATYAKSHA SINGH	24	10	95
19026569034	SUPRIYA SINGH	12	8	76
19026569035	ANSHIKA GHOSH	21	10	95
19026569036	ARYASREE P V	15	8	76
19026569037	APARNA BHASKER	23	10	95
19026569038	DUGYALA USHA SRI RAO	15	8	76
19026569039	AJAY	13	7	66.5
19026569041	AARUSHI PATHAK	0	4	38
19026569042	RIGZEN ANGMO	23	9	85.5
19026569043	AVI CHOWRASIA	22	8	76
19026569044	SANJANA YADAV	20	9	85.5

Level of CO Attainment

Sem	Attempts	Internal Assessment	Level of Attainment	University Examination	Level of Attainment	*Overall CO Attainment
I	No: of attempts \geq 60%	32	2	39	3	2.8
	Total Attempts	41		41		
	% of attempts \geq 60%	78.04		95.12		

*Overall Attainment = (20% of Internal Assessment Attainment + 80% of University Examination Attainment)

Course Level COPO Attainment Metrix

Sem I	PO1	PO2	PO3	PO4
CO1	2.8			
CO2	2.8			
CO3		2.8		
CO4		2.8		

% of attempts \geq 60%	Level of Attainment	
\geq 80 %	3	High
>70 to <80 %	2	Medium
60-70 %	1	Low

Program: B.Sc. (H) Zoology
Course Name: Non-Chordates II: Coelomates
Course Code: 32231201
Semester II
Attainment (Direct Assessment)

Roll No.	Name	Internal Assessment Out of 25	University Exam. Out of Scale 10	University Exam. (Percentage = scale 10*9.5)
19026569001	RAJAT SHARMA	24	10	95
19026569002	AFLAH SHADIL	22	9	85.5
19026569003	KAVYA I. K.	23	10	95
19026569004	GAURAV KUMAR	20	8	76
19026569005	ABHISHEK .P	21	8	76
19026569006	GOURAV KUMAR	23	10	95
19026569007	JATOTH RAMANAND	20	8	76
19026569008	SUYASH LABH	22	9	85.5
19026569009	MR. VISHAY SOOD	21	7	66.5
19026569010	SHAHID ALI	21	6	57
19026569011	VAISHNAVI ULLAS	21	9	85.5
19026569012	ALAKANANDA K	22	9	85.5
19026569013	MANGALAPELLY ROHITH RAJ	20	9	85.5
19026569014	AMAYA VIKRAMA RAJE	24	10	95
19026569015	TAHSEEN MALIK	20	9	85.5
19026569016	DESHBANDHU JAT	19	8	76
19026569017	SARGAM	21	10	95
19026569018	CHARU AGGARWAL	22	9	85.5
19026569019	NEHA	20	9	85.5

19026569022	SHRISTY KOTHIWAL	20	9	85.5
19026569023	AYUSHI MISHRA	20	10	95
19026569024	PRAKRITI DEVI	23	10	95
19026569025	DHAKSHINADI BALA CHANDU	21	10	95
19026569026	NIKITA KOCHHAR	22	8	76
19026569027	KANIKSHA	20	10	95
19026569028	SHRASHTI SHRIVASTAVA	21	9	85.5
19026569029	KAVYA TRIPATHI	24	9	85.5
19026569030	KHUSHBOO DHULIYA	23	10	95
19026569031	BHAWNA	20	9	85.5
19026569032	AKANSHA ARORA	22	9	85.5
19026569033	PRATYAKSHA SINGH	24	10	95
19026569034	SUPRIYA SINGH	20	8	76
19026569035	ANSHIKA GHOSH	23	10	95
19026569036	ARYASREE P V	22	8	76
19026569037	APARNA BHASKER	23	10	95
19026569038	DUGYALA USHA SRI RAO	20	9	85.5
19026569039	AJAY	20	8	76
19026569041	AARUSHI PATHAK	21	7	66.5
19026569042	RIGZEN ANGMO	22	9	85.5
19026569043	AVI CHOWRASIA	21	9	85.5
19026569044	SANJANA YADAV	23	10	95

Level of CO Attainment

Sem	Attempts	Internal Assessment	Level of Attainment	University Examination	Level of Attainment	*Overall CO Attainment
II	No: of attempts \geq 60%	41	3	40	3	3
	Total Attempts	41		41		
	% of attempts \geq 60%	100		97.56		

*Overall Attainment = (20% of Internal Assessment Attainment + 80% of University Examination Attainment)

Course Level COPO Attainment Metrix

Sem II	PO1	PO2	PO3	PO4
CO1	3			
CO2		3		
CO3		3		
CO4		3		

% of attempts \geq 60%	Level of Attainment	
\geq 80 %	3	High
$>$ 70 to $<$ 80 %	2	Medium
60-70 %	1	Low

Program: B.Sc. (H) Zoology
Course Name: Diversity of Chordates
Course Code: 32231301
Semester III
Attainment (Direct Assessment)

Roll No.	Name	Internal Assessment Out of 25	University Exam. Out of Scale 10	University Exam. (Percentage = scale 10*9.5)
19026569001	RAJAT SHARMA	25	10	95
19026569002	AFLAH SHADIL	23	10	95
19026569003	KAVYA I. K.	22	10	95
19026569004	GAURAV KUMAR	22	9	85.5
19026569005	ABHISHEK .P	22	9	85.5
19026569006	GOURAV KUMAR	24	9	85.5
19026569007	JATOTH RAMANAND	22	10	95
19026569008	SUYASH LABH	23	9	85.5
19026569009	MR. VISHAY SOOD	22	10	95
19026569010	SHAHID ALI	23	9	85.5
19026569011	VAISHNAVI ULLAS	22	9	85.5
19026569012	ALAKANANDA K	23	10	95
19026569013	MANGALAPELLY ROHITH RAJ	23	9	85.5
19026569014	AMAYA VIKRAMA RAJE	25	9	85.5
19026569015	TAHSEEN MALIK	22	10	95
19026569016	DESHBANDHU JAT	22	8	76
19026569017	SARGAM	22	10	95
19026569018	CHARU AGGARWAL	24	0	0
19026569019	NEHA	22	9	85.5

19026569022	SHRISTY KOTHIWAL	23	9	85.5
19026569023	AYUSHI MISHRA	23	10	95
19026569024	PRAKRITI DEVI	23	10	95
19026569025	DHAKSHINADI BALA CHANDU	22	10	95
19026569026	NIKITA KOCHHAR	25	10	95
19026569027	KANIKSHA	22	9	85.5
19026569028	SHRASHTI SHRIVASTAVA	23	9	85.5
19026569029	KAVYA TRIPATHI	23	9	85.5
19026569030	KHUSHBOO DHULIYA	23	10	95
19026569031	BHAWNA	23	9	85.5
19026569032	AKANSHA ARORA	22	9	85.5
19026569033	PRATYAKSHA SINGH	25	10	95
19026569034	SUPRIYA SINGH	23	8	76
19026569035	ANSHIKA GHOSH	24	10	95
19026569036	ARYASREE P V	23	8	76
19026569037	APARNA BHASKER	23	10	95
19026569038	DUGYALA USHA SRI RAO	23	9	85.5
19026569039	AJAY	22	8	76
19026569041	AARUSHI PATHAK	22	7	66.5
19026569042	RIGZEN ANGMO	24	9	85.5
19026569043	AVI CHOWRASIA	23	9	85.5
19026569044	SANJANA YADAV	24	10	95

Level of CO Attainment

Sem	Attempts	Internal Assessment	Level of Attainment	University Examination	Level of Attainment	*Overall CO Attainment
III	No: of attempts \geq 60%	41	3	40	3	3
	Total Attempts	41		40		
	% of attempts \geq 60%	100		100		

*Overall Attainment = (20% of Internal Assessment Attainment + 80% of University Examination Attainment)

Course Level COPO Attainment Metrix

Sem III	PO1	PO2	PO3	PO4
CO1		3		
CO2			3	
CO3			3	
CO4			3	

% of attempts \geq 60%	Level of Attainment	
\geq 80 %	3	High
$>$ 70 to $<$ 80 %	2	Medium
60-70 %	1	Low

Program: B.Sc. (H) Zoology
Course Name: Comparative Anatomy of Vertebrates
Course Code: 32231401
Semester IV

Attainment (Direct Assessment)

Roll No.	Name	Internal Assessment Out of 25	University Exam. Out of Scale 10	University Exam. (Percentage = scale 10*9.5)
19026569001	RAJAT SHARMA	25	10	95
19026569002	AFLAH SHADIL	24	10	95
19026569003	KAVYA I. K.	24	10	95
19026569004	GAURAV KUMAR	22	9	85.5
19026569005	ABHISHEK .P	22	9	85.5
19026569006	GOURAV KUMAR	24	10	95
19026569007	JATOTH RAMANAND	23	9	85.5
19026569008	SUYASH LABH	24	10	95
19026569009	MR. VISHAY SOOD	23	9	85.5
19026569010	SHAHID ALI	23	9	85.5
19026569011	VAISHNAVI ULLAS	23	10	95
19026569012	ALAKANANDA K	22	10	95
19026569013	MANGALAPELLY ROHITH RAJ	23	9	85.5
19026569014	AMAYA VIKRAMA RAJE	25	9	85.5
19026569015	TAHSEEN MALIK	20	10	95
19026569016	DESHBANDHU JAT	20	8	76
19026569018	CHARU AGGARWAL	24	10	95
19026569019	NEHA	22	9	95

19026569022	SHRISTY KOTHIWAL	23	9	85.5
19026569023	AYUSHI MISHRA	24	10	85.5
19026569024	PRAKRITI DEVI	23	10	95
19026569025	DHAKSHINADI BALA CHANDU	24	10	95
19026569026	NIKITA KOCHHAR	24	10	95
19026569027	KANIKSHA	23	9	95
19026569028	SHRASHTI SHRIVASTAVA	23	9	85.5
19026569029	KAVYA TRIPATHI	23	9	85.5
19026569030	KHUSHBOO DHULIYA	24	10	85.5
19026569031	BHAWNA	23	9	95
19026569032	AKANSHA ARORA	23	9	85.5
19026569033	PRATYAKSHA SINGH	24	10	85.5
19026569034	SUPRIYA SINGH	24	8	95
19026569035	ANSHIKA GHOSH	23	10	76
19026569036	ARYASREE P V	23	8	95
19026569037	APARNA BHASKER	24	10	76
19026569038	DUGYALA USHA SRI RAO	23	9	95
19026569039	AJAY	22	8	85.5
19026569041	AARUSHI PATHAK	23	7	76
19026569042	RIGZEN ANGMO	23	9	66.5
19026569043	AVI CHOWRASIA	24	9	85.5
19026569044	SANJANA YADAV	24	10	85.5

Level of CO Attainment

Sem	Attempts	Internal Assessment	Level of Attainment	University Examination	Level of Attainment	*Overall CO Attainment
IV	No: of attempts $\geq 60\%$	40	3	40	3	3
	Total Attempts	40		40		
	% of attempts $\geq 60\%$	100		100		

*Overall Attainment = (20% of Internal Assessment Attainment + 80% of University Examination Attainment)

Course Level COPO Attainment Metrix

Sem IV	PO1	PO2	PO3	PO4
CO1		3		
CO2		3		
CO3			3	
CO4				3

% of attempts $\geq 60\%$	Level of Attainment	
$\geq 80\%$	3	High
>70 to $<80\%$	2	Medium
60-70 %	1	Low

Program: B.Sc. (H) Zoology
Course Name: Principles of Genetics
Course Code: 32231502
Semester V

Attainment (Direct Assessment)

Roll No.	Name	Internal Assessment Out of 25	University Exam. Out of Scale 10	University Exam. (Percentage = scale 10*9.5)
19026569001	RAJAT SHARMA	24	10	95
19026569002	AFLAH SHADIL	25	9	85.5
19026569003	KAVYA I. K.	24	9	85.5
19026569004	GAURAV KUMAR	24	8	76
19026569005	ABHISHEK .P	24	6	57
19026569006	GOURAV KUMAR	25	9	85.5
19026569007	JATOTH RAMANAND	25	7	66.5
19026569008	SUYASH LABH	25	8	76
19026569009	MR. VISHAY SOOD	20	8	76
19026569010	SHAHID ALI	22	8	76
19026569011	VAISHNAVI ULLAS	24	9	85.5
19026569012	ALAKANANDA K	22	8	76
19026569013	MANGALAPELLY ROHITH RAJ	22	7	66.5
19026569014	AMAYA VIKRAMA RAJE	22	9	85.5
19026569015	TAHSEEN MALIK	23	8	76
19026569016	DESHBANDHU JAT	25	8	76
19026569018	CHARU AGGARWAL	20	8	76
19026569019	NEHA	25	9	76

19026569022	SHRISTY KOTHIWAL	21	9	85.5
19026569023	AYUSHI MISHRA	23	9	85.5
19026569024	PRAKRITI DEVI	24	8	85.5
19026569025	DHAKSHINADI BALA CHANDU	25	9	76
19026569026	NIKITA KOCHHAR	25	8	85.5
19026569027	KANIKSHA	24	9	76
19026569028	SHRASHTI SHRIVASTAVA	24	9	85.5
19026569029	KAVYA TRIPATHI	10	9	85.5
19026569030	KHUSHBOO DHULIYA	23	10	85.5
19026569031	BHAWNA	20	9	95
19026569032	AKANSHA ARORA	20	9	85.5
19026569033	PRATYAKSHA SINGH	24	10	85.5
19026569034	SUPRIYA SINGH	25	8	95
19026569035	ANSHIKA GHOSH	24	10	76
19026569036	ARYASREE P V	24	7	95
19026569037	APARNA BHASKER	24	9	66.5
19026569038	DUGYALA USHA SRI RAO	25	7	85.5
19026569039	AJAY	17	4	66.5
19026569041	AARUSHI PATHAK	18	4	38
19026569042	RIGZEN ANGMO	20	9	38
19026569043	AVI CHOWRASIA	22	7	85.5
19026569044	SANJANA YADAV	24	9	66.5

Level of CO Attainment

Sem	Attempts	Internal Assessment	Level of Attainment	University Examination	Level of Attainment	*Overall CO Attainment
V	No: of attempts \geq 60%	39	3	37	3	3
	Total Attempts	40		40		
	% of attempts \geq 60%	97.5		72.5		

*Overall Attainment = (20% of Internal Assessment Attainment + 80% of University Examination Attainment)

Course Level COPO Attainment Metrix

Sem V	PO1	PO2	PO3	PO4
CO1			3	
CO2			3	
CO3				3
CO4				3

% of attempts \geq 60%	Level of Attainment	
\geq 80 %	3	High
$>$ 70 to $<$ 80 %	2	Medium
60-70 %	1	Low

Program: B.Sc. (H) Zoology
Course Name: Evolutionary Biology
Course Code: 32231602
Semester VI
Attainment (Direct Assessment)

Roll No.	Name	Internal Assessment Out of 25	University Exam. Out of Scale 10	University Exam. (Percentage = scale 10*9.5)
19026569001	RAJAT SHARMA	24	9	85.5
19026569002	AFLAH SHADIL	24	8	76
19026569003	KAVYA I. K.	23	9	85.5
19026569004	GAURAV KUMAR	24	7	66.5
19026569005	ABHISHEK .P	23	6	57
19026569006	GOURAV KUMAR	24	9	85.5
19026569007	JATOTH RAMANAND	24	5	47.5
19026569008	SUYASH LABH	24	8	76
19026569009	MR. VISHAY SOOD	22	6	57
19026569010	SHAHID ALI	22	8	76
19026569011	VAISHNAVI ULLAS	23	9	85.5
19026569012	ALAKANANDA K	19	8	76
19026569013	MANGALAPELLY ROHITH RAJ	22	7	66.5
19026569014	AMAYA VIKRAMA RAJE	20	9	85.5
19026569015	TAHSEEN MALIK	21	8	76
19026569016	DESHBANDHU JAT	23	8	76
19026569018	CHARU AGGARWAL	18	8	76
19026569019	NEHA	23	9	76
19026569022	SHRISTY KOTHIWAL	15	9	85.5

19026569023	AYUSHI MISHRA	21	9	85.5
19026569024	PRAKRITI DEVI	22	8	85.5
19026569025	DHAKSHINADI BALA CHANDU	23	9	76
19026569026	NIKITA KOCHHAR	24	8	85.5
19026569027	KANIKSHA	24	9	76
19026569028	SHRASHTI SHRIVASTAVA	24	7	85.5
19026569029	KAVYA TRIPATHI	14	8	66.5
19026569030	KHUSHBOO DHULIYA	20	8	76
19026569031	BHAWNA	21	8	76
19026569032	AKANSHA ARORA	20	7	76
19026569033	PRATYAKSHA SINGH	23	8	66.5
19026569034	SUPRIYA SINGH	22	9	76
19026569035	ANSHIKA GHOSH	18	9	85.5
19026569036	ARYASREE P V	23	6	85.5
19026569037	APARNA BHASKER	25	8	57
19026569038	DUGYALA USHA SRI RAO	21	7	76
19026569039	AJAY	15	5	66.5
19026569041	AARUSHI PATHAK	17	0	47.5
19026569042	RIGZEN ANGMO	18	8	0
19026569043	AVI CHOWRASIA	18	7	76
19026569044	SANJANA YADAV	19	8	66.5

Level of CO Attainment

Sem	Attempts	Internal Assessment	Level of Attainment	University Examination	Level of Attainment	*Overall CO Attainment
VI	No: of attempts \geq 60%	39	3	34	3	3
	Total Attempts	40		39		
	% of attempts \geq 60%	97.5		87.17		

*Overall Attainment = (20% of Internal Assessment Attainment + 80% of University Examination Attainment)

Course Level COPO Attainment Metrix

Sem VI	PO1	PO2	PO3	PO4
CO1				3
CO2			3	
CO3				3
CO4			3	

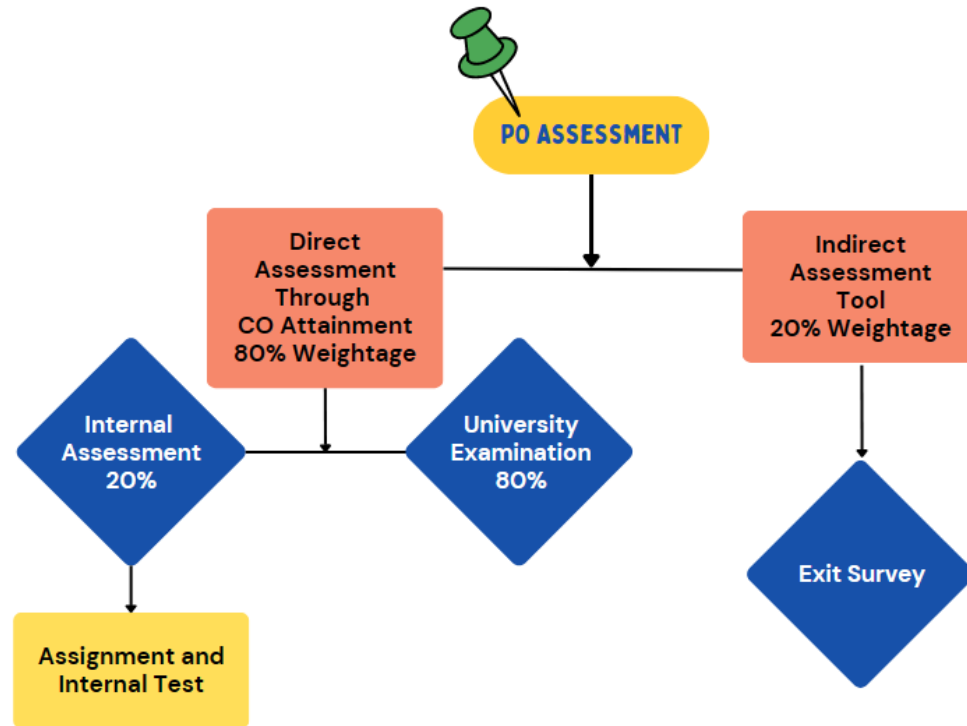
% of attempts \geq 60%	Level of Attainment	
\geq 80 %	3	High
$>$ 70 to $<$ 80 %	2	Medium
60-70 %	1	Low

Program level CO-PO matrix of one course from each semester:

Sem	Code	Course	POs			
			PO1	PO2	PO3	PO4
I	32231101	Non-Chordates I: Protista to Pseudocoelomates	2.8	2.8		
II	32231201	Non-Chordates II: Coelomates	3	3		
III	32231301	Diversity of Chordates		3	3	
IV	32231401	Comparative Anatomy of Vertebrates			3	3
V	32231502	Principles Of Genetics			3	3
VI	32231602	Evolutionary Biology			3	3
Overall			2.9	2.93	3	3

% of attempts $\geq 60\%$	Level of Attainment	
$\geq 80\%$	3	High
>70 to $<80\%$	2	Medium
60-70 %	1	Low

PO Assessment Tools:



	Assessment Methods	Weightage 1	Weightage 2	Remarks
DIRECT ASSESSMENT	University Examination	80%	80%	Assessment through Cos attainment
	Assignments	20%		
	Internal Examination			
INDIRECT ASSESSMENT	Exit Survey	100%	20%	Direct evaluation to POs

Indirect PO Assessment (Through Exit Survey)

S. No.	Question	Score					POs	No: of Attempts ≥60% of Excellent Score	Total No. of Attempts
		Excellent (5)	Very Good (4)	Good (3)	Fair (2)	Poor (1)			
1	Syllabus is need based and suitable to the course.	4	19	14	2	-	PO1	37	39
2	The curriculum provides options for continuous assessment through quiz and exams	2	24	9	4	-	PO3	35	39
3	Curriculum developed and implementation have relevance to the local and national care needs	7	13	16	3	-	PO4	36	39
4	The curriculum facilitates adequate self-learning.	8	19	10	2	-	PO1	37	39
5	The curriculum provides the ability to express thoughts and ideas effectively in writing and orally.	4	18	15	2	-	PO2	37	39
6	The curriculum provides experiential learning through student seminar, group discussion, projects, field visits.	7	11	17	4	-	PO4	35	39

Indirect PO Assessment (Attainment Through Survey)

	PO1	PO2	PO3	PO4
No: of Attempts ≥60% of Excellent Score	74	37	35	71
Total No. of Attempts	78	39	39	78
% of attempts ≥ 60%	94.87	94.87	89.74	91.02
Attainment	3	3	3	3

PO Attainment Level:

	PO1	PO2	PO3	PO4
*PO Attainment	2.92	2.94	3	3
Direct Attainment	2.9	2.93	3	3
Indirect Attainment	3	3	3	3

*PO Attainment = (80% of Direct Attainment + 20% of Indirect Attainment)

% of attempts >= 60%	Level of Attainment	
>=80 %	3	High
>70 to <80 %	2	Medium
60-70 %	1	Low