2.6.2: Attainment of program outcomes and course outcomes are evaluated by the institution

Attainment levels for COs

For University Examinations	
Level 1	Below 45 % of students scoring more than average marks
Level 2	45-60 % of students scoring more than average marks
Level 3	Above 60% of students scoring more than average marks

For Internal Examinations	
Level 1	Below 60 % of students scoring more than average marks
Level 2	60-70 % of students scoring more than average marks
Level 3	above 70% of students scoring more than average marks

Attainment levels for POs

PO Level	Target attainment
Level 1	**0.5 – 1.0**
Level 2	**1.1 - 1.5**
Level 3	**1.6 – 2.0**
Level 4	**2.1 – 2.5**
Level 5	**2.6 – 3.0**

Target Program Outcome Attainment Levels for the Academic Year 2023-24

Sr. No.	Departments / Program	Average Course Outcome Attainment by Direct Method (I)	Average Course Outcome Attainment by Indirect Method (II)	60% Average Course Outcome Attainment by Direct Method	40% Average Course Outcome Attainment by Indirect Method	Average PO Attainment by (I+II)	Target PO Attainment Level
1	Physics	1.4	3.0	0.84	1.2	2.04	4
2	Electronics	2.7	3.0	1.62	1.2	2.82	4
3	Chemistry	2.4	3.0	1.44	1.2	2.64	4
4	Industrial Chemistry	2.1	3.0	1.26	1.2	2.46	4
5	Mathematics	2.3	3.0	1.38	1.2	2.58	4
6	Botany	1.8	2.0	1.08	0.8	1.88	4
7	Zoology	1.7	2.0	1.02	0.8	1.82	4
8	Geology	2.4	3.0	1.44	1.2	2.64	4
9	Computer Science	2.4	3.0	1.44	1.2	2.64	4
10	BCA	2.07	3.0	1.242	1.2	2.442	4
11	BBA	2.2	3.0	1.32	1.2	2.52	4

12	B.Com	2.1	3.0	1.26	1.2	2.46	4
13	Microbiology	1.8	3.0	1.08	1.2	2.28	4
14	Biotechnology	1.46	3.0	0.876	1.2	2.076	4
15	B.Com E-Commerce	2.7	3.0	1.62	1.2	2.82	4
16	M.Sc. Chemistry	1.8	3.0	1.08	1.2	2.28	4
17	M.Sc. Analytical Chemistry	1.8	3.0	1.08	1.2	2.28	4
18	M.Sc. Industrial Chemistry	2.62	3.0	1.572	1.2	2.772	4
19	M.Sc. Mathematics	2.9	3.0	1.74	1.2	2.94	4
20	M.Sc. Computer Science	2.7	3.0	1.62	1.2	2.82	4
21	M.Sc. Microbiology	2.6	3.0	1.56	1.2	2.76	4
22	M.Sc. Biotechnology	2.6	3.0	1.56	1.2	2.76	4
23	M.Com	2.7	3.0	1.62	1.2	2.82	4
24	MPM	2.9	3.0	1.74	1.2	2.94	4
25	Physical Education	2.0	3.0	1.2	1.2	2.4	4
26	English	1.9	3.0	1.14	1.2	2.34	4

27	Hindi	2.7	3.0	1.62	1.2	2.82	4
28	Urdu	2.4	2.0	1.44	0.8	2.24	4
29	Political Science	1.8	2.0	1.08	0.8	1.88	4
30	Sociology	2.3	2.0	1.38	0.8	2.18	4
31	Economics	2.91	3.0	1.746	1.2	2.946	4
32	Psychology	2.76	3.0	1.656	1.2	2.856	4
33	History	1.97	2.0	1.182	0.8	1.982	4
Total							**82.134**
Average							**2.488**

Department of Physics
Subject- Physics
Course Outcome Attainment Level for the Academic Year 2023-24

Class & Semester	Name of the Paper/ Course	% of Students scoring more than 60% marks in University Exams	Attainment Level	60% of Attainment Level in End Term Exam (I)	% of Students above 70% Internal Marks	Attainment Level	40% Attainment Level in Internal Exam (II)	Course Outcome Attainment (I+II)
B.Sc. TY Vth Sem	Physics-XV	10.35	1	0.6	68.34	2	0.8	1.4
	Physics-XVI	7.24	1	0.6	61.30	2	0.8	1.4
B.Sc. TY VIth Sem	Physics-XIX	7.23	1	0.6	65.80	2	0.8	1.4
	Physics-XX	8.75	1	0.6	61.70	2	0.8	1.4
							Total	**5.6**
							Average	**1.4**

Department of Electronics
Subject-Electronics
Course Outcome Attainment Level for the Academic Year 2023-24

Class & Semester	Name of the Paper/ Course	% of Students scoring more than 60% marks in University Exams	Attainment Level	60% of Attainment Level in End Term Exam (I)	% of Students above 70% Internal Marks	Attainment Level	40% Attainment Level in Internal Exam (II)	Course Outcome Attainment (I+II)
B.Sc. TY Vth Sem	Electronics-XV	0	1	0.6	74.8	3	1.8	2.4
	Electronics-XVI	55.76	2	1.2	92.3	3	1.8	3
B.Sc. TY VIth Sem	Electronics-XIX	8	1	0.6	85.41	3	1.8	2.4
	Electronics-XX	44.21	2	12	83.71	3	1.8	3
							Total	**10.8**
							Average	**2.7**

Department of Chemistry
Subject- Chemistry
Course Outcome Attainment Level for the Academic Year 2023-24

Class & Semester	Name of the Paper/ Course	% of Students scoring more than 60% marks in University Exams	Attainment Level	60% of Attainment Level in End Term Exam (I)	% of Students above 70% Internal Marks	Attainment Level	40% Attainment Level in Internal Exam (II)	Course Outcome Attainment (I+II)
B.Sc. TY Vth Sem	Chemistry -XIII	7	1	0.6	90	3.0	1.2	1.8
	Chemistry -XIV	15	1	0.6	95	3.0	1.2	1.8
B.Sc. TY VIth Sem	Chemistry - XVI	96	3	1.8	93	3.0	1.2	3.0
	Chemistry- XVII	89	3	1.8	97	3.0	1.2	3.0
							Total	**9.6**
							Average	**2.4**

Department of Chemistry
Subject- Industrial Chemistry
Course Outcome Attainment Level for the Academic Year 2023-24

Class & Semester	Name of the Paper/ Course	% of Students scoring more than 60% marks in University Exams	Attainment Level	60% of Attainment Level in End Term Exam (I)	% of Students above 70% Internal Marks	Attainment Level	40% Attainment Level in Internal Exam (II)	Course Outcome Attainment (I+II)
B.Sc. TY Vth Sem	Industrial Chemistry-XIII ICH-1013	15	1	0.6	95	3.0	1.2	1.8
	Industrial Chemistry-XIV-ICH-1113	14	1	0.6	86	3.0	1.2	1.8
B.Sc. TY VIth Sem	Industrial Chemistry-XVI ICH-1213	98	3	1.8	92	3.0	1.2	3.0
	Industrial Chemistry-XVII ICH-1313	35	1	0.6	91	3.0	1.2	1.8
							Total	**8.4**
							Average	**2.1**

Department of Mathematics
Subject- Mathematics
Course Outcome Attainment Level for the Academic Year 2023-24

Class & Semester	Name of the Paper/ Course	% of Students scoring more than 60% marks in University Exams	Attainment Level	60% of Attainment Level in End Term Exam (I)	% of Students above 70% Internal Marks	Attainment Level	40% Attainment Level in Internal Exam (II)	Course Outcome Attainment (I+II)
B.Sc. TY Vth Sem	Real Analysis MAT-501	56	2.0	1.2	78	3.0	1.2	2.4
	Algebra MAT-502	72	3.0	1.8	75	3.0	1.2	3.0
	Ordinary Differential Equation-MAT-504	89	3.0	1.8	71	3.0	1.2	3.0
B.Sc. TY VIth Sem	Real Analysis MAT-601	05	1.0	0.6	84	3.0	1.2	1.8
	Algebra MAT-602	22	1.0	0.6	80	3.0	1.2	1.8
	Ordinary Differential Equation-MAT-604	24	1.0	0.6	81	3.0	1.2	1.8
							Total	13.8
							Average	2.3

Department of Botany
Subject- Botany
Course Outcome Attainment Level for the Academic Year 2023-24

Class & Semester	Name of the Paper/ Course	% of Students scoring more than 60% marks in University Exams	Attainment Level	60% of Attainment Level in End Term Exam (I)	% of Students above 70% Internal Marks	Attainment Level	40% Attainment Level in Internal Exam (II)	Course Outcome Attainment (I+II)
B.Sc. TY Vth Sem	Botany - XV	15.02	1	0.6	89.75	3	1.2	1.8
	Botany - XVI	8.89	1	0.6	75.92	3	1.2	1.8
B.Sc. TY VIth Sem	Botany - XIX	24.69	1	0.6	88.72	3	1.2	1.8
	Botany - XX	35.34	1	0.6	72.24	3	1.2	1.8
							Total	**7.2**
							Average	**1.8**

Department of Zoology
Subject- Zoology
Course Outcome Attainment Level for the Academic Year 2023-24

Class & Semester	Name of the Paper/ Course	% of Students scoring more than 60% marks in University Exams	Attainment Level	60% of Attainment Level in End Term Exam (I)	% of Students above 70% Internal Marks	Attainment Level	40% Attainment Level in Internal Exam (II)	Course Outcome Attainment (I+II)
B.Sc. TY Vth Sem	Zoology XV	41.24	1	0.6	71.63	3	1.2	1.8
	Zoology XVI	15.12	1	0.6	75.90	3	1.2	1.8
B.Sc. TY VIth Sem	Zoology XIX	18.40	1	0.6	69.23	2	0.8	1.4
	Zoology XX	19.50	1	0.6	75.09	3	1.2	1.8
							Total	**6.8**
							Average	**1.7**

Department of Geology
Subject- Geology
Course Outcome Attainment Level for the Academic Year 2023-24

Class & Semester	Name of the Paper/ Course	% of Students scoring more than 60% marks in University Exams	Attainment Level	60% of Attainment Level in End Term Exam (I)	% of Students above 70% Internal Marks	Attainment Level	40% Attainment Level in Internal Exam (II)	Course Outcome Attainment (I+II)
B.Sc. TY Vth Sem	Geology XV	18	1	0.6	98	3.0	1.2	1.8
	Geology XVI	55	2	1.2	99	3.0	1.2	2.4
B.Sc. TY VIth Sem	Geology XIX	39.76	1	0.6	100	3.0	1.2	2.2
	Geology XX	46.15	2	1.2	95	3.0	1.2	2.4
	Practical XVII & XXIII	99	3.0	1.8	97	3.0	1.2	3.0
	Practical XVIII & XXIV	98	3.0	1.8	100	3.0	1.2	3.0
							Total	**14.8**
							Average	**2.46**

Department of Computer Science
Subject- Computer Science
Course Outcome Attainment Level for the Academic Year 2023-24

Class & Semester	Name of the Paper/ Course	% of Students scoring more than 60% marks in University Exams	Attainment Level	60% of Attainment Level in End Term Exam (I)	% of Students above 70% Internal Marks	Attainment Level	40% Attainment Level in Internal Exam (II)	Course Outcome Attainment (I+II)
B.Sc. TY Vth Sem	CS-015	49.17	2	1.2	98.20	3	1.2	2.4
	CS-016	47.40	2	1.2	89.18	3	1.2	2.4
B.Sc. TY VIth Sem	CS-019	27.65	2	1.2	99.19	3	1.2	2.4
	CS-020	38.24	2	1.2	95.78	3	1.2	2.4
							Total	**9.6**
							Average	**2.4**

Department of Computer Science
Subject-BCA-BCS (Management)
Course Outcome Attainment Level for the Academic Year 2023-24

Class & Semester	Name of the Paper/ Course	% of Students scoring more than 60% marks in University Exams	Attainment Level	60% of Attainment Level in End Term Exam (I)	% of Students above 70% Internal Marks	Attainment Level	40% Attainment Level in Internal Exam (II)	Course Outcome Attainment (I+II)
BCA (Science) TY Vth Sem	Management Accountancy - XXV	34	1	0.6	76	3	1.2	1.8
	SQL 2017 - XXVI	38	1	0.6	74	3	1.2	1.8
	Visual Basic-(XXVII)	19	1	0.6	85	3	1.2	1.8
	Organizational Behavior (XXVIII)	63	3	1.8	81	3	1.2	3.0
	Software Engineering (XXIX)	17	1	0.6	76	3	1.2	1.8
	Banking and Insurance (XXX)	77	3	1.8	74	3	1.2	3.0
BCA (Science) TY VIth Sem	Elements of Commercial Portals(XXXI)	16	1	0.6	99	3	1.2	1.8
	System Programming (XXXII)	59	2	1.2	99	3	1.2	2.4
	Business Law III(XXXIII)	20	1	0.6	71	3	1.2	1.8
	Software Testing - XXXV	25	1	0.6	74	3	1.2	1.8
	Service Marketing - XXXVI	36	1	0.6	98	3	1.2	1.8
							Total	**22.8**
							Average	**2.07**

Department of Commerce & Management Science
Subject -BBA
Course Outcome Attainment Level for the Academic Year 2023-24

Class & Semester	Name of the Paper/ Course	% of Students scoring more than 60% marks in University Exams	Attainment Level	60% of Attainment Level in End Term Exam (I)	% of Students above 70% Internal Marks	Attainment Level	40% Attainment Level in Internal Exam (II)	Course Outcome Attainment (I+II)
BBA (Science) TY Vth Sem	Management Auditing	25.99	1	0.6	100	3	1.2	1.8
	MP-V	46.26	2	1.2	99	3	1.2	2.4
	Capital Marketing - I	16.30	1	0.6	96	3	1.2	1.8
	IAB	07.76	1	0.6	98	3	1.2	1.8
	Taxation Law I	80.60	1	0.6	96	3	1.2	1.8
	EB I	10.99	1	0.6	94	3	1.2	2.4
BBA (Science) TY VIth Sem	AUD	20.19	2	1.2	98	3	1.2	2.4
	MP-VI	60.90	2	1.2	93	3	1.2	2.4
	CM-II	45.18	1	0.6	92	3	1.2	1.8
	PRO F SURY	46.15	1	0.6	98	3	1.2	1.8
	TL-II	75.89	3	1.8	94	3	1.2	3.0
	MSS	89.89	3	1.8	99	3	1.2	3.0
							Total	26.4
							Average	2.2

Department of Commerce
Subject – B.Com.
Course Outcome Attainment Level for the Academic Year 2023-24

Class & Semester	Name of the Paper/ Course	% of Students scoring more than 60% marks in University Exams	Attainment Level	60% of Attainment Level in End Term Exam (I)	% of Students above 70% Internal Marks	Attainment Level	40% Attainment Level in Internal Exam (II)	Course Outcome Attainment (I+II)
B.Com TY Vth Sem	Advanced Financial Accounting-I	34.95	1	0.6	100	3	1.2	1.8
	Management Accounting- I	24.45	1	0.6	98	3	1.2	1.8
	Auditing	34.35	1	0.6	96	3	1.2	1.8
	Computerized Accounting- I	77.11	3	1.8	98	3	1.2	3.0
	Business Regulatory Framework	17.19	1	0.6	90	3	1.2	1.8
	MSME Management	47.32	2	1.2	99	3	1.2	2.4
B.Com TY VIth Sem	Advanced Financial Accounting- II	38.60	1	0.6	95	3	1.2	1.8
	Management Accounting- II	55.90	2	1.2	96	3	1.2	2.4
	Direct Tax	41.35	1	0.6	100	3	1.2	1.8
	Business Regulatory Framework	25.49	1	0.6	94	3	1.2	1.8
	Computerized Accounting- II	92.68	3	1.8	97	3	1.2	3.0
	Capital Market	38.29	1	0.6	93	3	1.2	1.8
							Total	**25.2**
							Average	**2.1**

Department of Microbiology
Subject-Microbiology
Course Outcome Attainment Level for the Academic Year 2023-24

Class & Semester	Name of the Paper/ Course	% of Students scoring more than 60% marks in University Exams	Attainment Level	60% of Attainment Level in End Term Exam (I)	% of Students above 70% Internal Marks	Attainment Level	40% Attainment Level in Internal Exam (II)	Course Outcome Attainment (I+II)
B.Sc. TY Vth Sem	Bacterial Genetics -XV	3	1	0.6	88	3	1.2	1.8
	Microbial Metabolism -XVI	6.80	1	0.6	84	3	1.2	1.8
B.Sc. TY VIth Sem	Recombinant DNA Technology -XIX	11	1	0.6	81	3	1.2	1.8
	Industrial Microbiology -XX	6.80	1	0.6	76	3	1.2	1.8
							Total	**7.2**
							Average	**1.8**

Department of Biotechnology
Subject-Biotechnology
Course Outcome Attainment Level for the Academic Year 2023-24

Class & Semester	Name of the Paper/ Course	% of Students scoring more than 60% marks in University Exams	Attainment Level	60% of Attainment Level in End Term Exam (I)	% of Students above 70% Internal Marks	Attainment Level	40% Attainment Level in Internal Exam (II)	Course Outcome Attainment (I+II)
B.Sc. Bio Technology TY Vth Sem	Regulation of Gene Expression - XXV	49.86	2	1.2	39	1	0.4	1.6
	Introduction to Bioinformatics XXVI	42.35	1	0.6	37	1	0.4	1.0
	Principles of Genetic Engineering - XXVII	48.86	2	1.2	41	1	0.4	1.6
	Fermentation Design & Process - XXVIII	52.24	2	1.2	41.29	1	0.4	1.6
	Plant Tissue Culture - XXIX	49.84	2	1.2	57.26	2	0.8	2.0
	Clinical Biochemistry - XXX	46.38	2	1.2	61.22	2	0.8	2.0
B.Sc. Bio Technology TY VIth Sem	Genomics & Proteomics XXXI	30.24	1	0.6	55.24	1	0.4	1.0
	Recombinant DNA Technology XXXII	39.89	1	0.6	62.37	2	0.8	1.2
	Fermentation Technology XXXIII	36.28	1	0.6	45.29	1	0.4	1.0
	Bio Ethics - XIV	39.24	1	0.6	55.18	1	0.4	1.0
	Metabolism of Macromolecules - XV	46.12	2	1.2	63.21	2	0.8	2.0
	Ecology & Evolution - XVI	36.28	1	1.2	59.27	1	0.4	1.6
							Total	17.6
							Average	1.46

Department of Commerce
Subject - B.Com E-Commerce
Course Outcome Attainment Level for the Academic Year 2023-24

Class & Semester	Name of the Paper/ Course	% of Students scoring more than 60% marks in University Exams	Attainment Level	60% of Attainment Level in End Term Exam (I)	% of Students above 70% Internal Marks	Attainment Level	40% Attainment Level in Internal Exam (II)	Course Outcome Attainment (I+II)
B.Com. E.Com TY Vth Sem	Management Accounting-I	33.36	1	0.6	96	3	1.2	1.8
	Auditing.	29.77	1	0.6	95	3	1.2	1.8
	E-Banking	70.22	3	1.8	98	3	1.2	3.0
	Data Structure	80.77	3	1.8	99	3	1.2	3.0
	System Analysis	68.11	3	1.8	97	3	1.2	3.0
	Digital Marketing	96.44	3	1.8	100	3	1.2	3.0
B.Com. E.Com TY VIth Sem	Advanced Financial Accounting	87.27	3	1.8	94	3	1.2	3.0
	Direct Taxes	70.18	3	1.8	93	3	1.2	3.0
	Python Programming	87.82	3	1.8	92	3	1.2	3.0
	MIS-DS	80.27	3	1.8	98	3	1.2	3.0
	Enterprise Resource Planning	84.36	3	1.8	91	3	1.2	3.0
	Project	94.91	3	1.8	97	3	1.2	3.0
							Total	**33.6**
							Average	**2.8**

Department of Chemistry
Subject- M.Sc. Chemistry
Course Outcome Attainment Level for the Academic Year 2023-24

Class & Semester	Name of the Paper/ Course	% of Students scoring more than 60% marks in University Exams	Attainment Level	60% of Attainment Level in End Term Exam (I)	% of Students above 70% Internal Marks	Attainment Level	40% Attainment Level in Internal Exam (II)	Course Outcome Attainment (I+II)
M.Sc. SY Organic Chemistry IIIrd Sem	Structural Elucidation by Spectral Methods CHEO-313	1	1	0.6	87	3	1.2	1.8
	Organic Synthesis CHEO-314	2	1	0.6	75	3	1.2	1.8
	Asymmetric Synthesis & Bioorganic Chemistry CHEO-315	1	1	0.6	88	3	1.2	1.8
	Photochemistry, Free Radicals & Pericyclic Reactions CHEO-316	25	1	0.6	89	3	1.2	1.8
M.Sc. SY Organic Chemistry IVth Sem	Organic Synthesis Retro synthetic Approach CHEO-417	0	1	0.6	83	3	1.2	1.8
	Advanced Organic and Heterocyclic Chemistry CHEO-418	1	1	0.6	85	3	1.2	1.8
	Chemistry of Natural Products CHEO-419	11	1	0.6	80	3	1.2	1.8
	Medicinal Chemistry CHEO-420	0	1	0.6	81	3	1.2	1.8
							Total	**14.4**
							Average	**1.8**

Department of Chemistry
Subject-M.Sc. Analytical Chemistry
Course Outcome Attainment Level for the Academic Year 2023-24

Class & Semester	Name of the Paper/ Course	% of Students scoring more than 60% marks in University Exams	Attainment Level	60% of Attainment Level in End Term Exam (I)	% of Students above 70% Internal Marks	Attainment Level	40% Attainment Level in Internal Exam (II)	Course Outcome Attainment (I+II)
M.Sc. SY Analytical Chemistry IIIrd Sem	Structural Elucidation by Spectral Methods CHEA-313	0	1	0.6	78	3	1.2	1.8
	Electro Analytical Techniques CHEA-314	0	1	0.6	74	3	1.2	1.8
	Environmental Analysis Monitoring CHEA-315	13	1	0.6	82	3	1.2	1.8
	Analytical Advanced Techniques CHEA-316	0	1	0.6	79	3	1.2	1.8
M.Sc. SY Analytical Chemistry IVth Sem	Analysis of Ores, Alloys and Explosive CHEA-417	12	1	0.6	80	3	1.2	1.8
	Food, Fertilizer & Pesticides Analysis CHEA-418	22	1	0.6	82	3	1.2	1.8
	Petrochemical 8s Polymer Analysis CHEA-419	0	1	0.6	78	3	1.2	1.8
	Pharmaceutical, Clinical & Forensic Analysis CHEA-420	22	1	0.6	78	3	1.2	1.8
							Total	**14.4**
							Average	**1.8**

Department of Chemistry
Subject- M.Sc. Industrial Chemistry
Course Outcome Attainment Level for the Academic Year 2023-24

Class & Semester	Name of the Paper/ Course	% of Students scoring more than 60% marks in University Exams	Attainment Level	60% of Attainment Level in End Term Exam (I)	% of Students above 70% Internal Marks	Attainment Level	40% Attainment Level in Internal Exam (II)	Course Outcome Attainment (I+II)
M.Sc. SY Industrial Chemistry IIIrd Sem	Instrumental Methods of Analysis IC-301	13	1	0.6	88	3	1.2	1.8
	Equipment Design IC-302	88	3	1.8	90	3	1.2	3.0
	Process Economy & Industrial Organization IC-303	38	1	0.6	72	3	1.2	1.8
	Waste Management IC-304	88	3	1.8	90	3	1.2	3.0
M.Sc. SY Industrial Chemistry IVth Sem	Dye & Dye Intermediate IC-401	50	2	1.2	80	3	1.2	2.4
	Pharmaceuticals IC-402	100	3	1.8	88	3	1.2	3.0
	Polymer Cosmetics IC-403	63	3	1.8	90	3	1.2	3.0
	Agrochemicals & Petrochemicals IC-404	88	3	1.8	90	3	1.2	3.0
							Total	**21.00**
							Average	**2.62**

Department of Mathematics
Subject- M.Sc. Mathematics
Course Outcome Attainment Level for the Academic Year 2023-24

Class & Semester	Name of the Paper/ Course	% of Students scoring more than 60% marks in University Exams	Attainment Level	60% of Attainment Level in End Term Exam (I)	% of Students above 70% Internal Marks	Attainment Level	40% Attainment Level in Internal Exam (II)	Course Outcome Attainment (I+II)
M.Sc. SY Mathematics IIIrd Sem	Functional Analysis MAT 501	82	3.0	1.8	88	3.0	1.2	3.0
	Partial Differential Equations MAT - 502	71	3.0	1.8	88	3.0	1.2	3.0
	Programming in C MAT - 521	100	3.0	1.8	88	3.0	1.2	3.0
	Numer MAT - 524	97	3.0	1.8	92	3.0	1.2	3.0
	Operation Research I MAT - 524	93	3.0	1.8	92	3.0	1.2	3.0
	Personality Development CSC-412	97	3.0	1.8	88	3.0	1.2	3.0
M.Sc. SY Mathematics IVth Sem	Linear Integral Equations MAT-511	74	3.0	1.8	92	3.0	1.2	3.0
	Mechanics MAT - 512	79	3.0	1.8	92	3.0	1.2	3.0
	MATLAB Programming MAT-534	83	3.0	1.8	92	3.0	1.2	3.0
	Fuzzy Mathematics MAT - 535	66	3.0	1.8	88	3.0	1.2	3.0
	Operation Research II MAT - 536	27	1.0	0.6	88	3.0	1.2	1.8
							Total	**31.8**
							Average	**2.9**

Department of Computer Science
Subject- M.Sc. M.Sc. Computer Science
Course Outcome Attainment Level for the Academic Year 2023-24

Class & Semester	Name of the Paper/ Course	% of Students scoring more than 60% marks in University Exams	Attainment Level	60% of Attainment Level in End Term Exam (I)	% of Students above 70% Internal Marks	Attainment Level	40% Attainment Level in Internal Exam (II)	Course Outcome Attainment (I+II)
M.Sc. SY Computer Science IIIrd Sem	JAVA N/W Programming CSC-501	96	3.0	1.8	85	3.0	1.2	3.0
	Adv Software Engineering CSC-502	82	3.0	1.8	82	3.0	1.2	3.0
	Computer Vision CSC-503	15	3.0	1.8	83	3.0	1.2	3.0
	Biometric Techniques CSC-427	92	3.0	1.8	84	3.0	1.2	3.0
	CSC-428 Practical Based On CSC-427	100	3.0	1.8	86	3.0	1.2	3.0
	CSC-551 Practical Based On CSC-501	100	3.0	1.8	89	3.0	1.2	3.0
	CSC-552 Practical Based On CSC-502	100	3.0	1.8	86	3.0	1.2	3.0
	CSC-553 Practical Based On CSC-503	100	3.0	1.8	86	3.0	1.2	3.0
	Introduction to MATLAB CSC-535	100	3.0	1.8	62	2.0	0.8	2.6
M.Sc. SY Computer Science IVth Sem	Pattern Recognition CSC-505	35	1.0	0.6	64	2.0	0.8	1.4
	Data Mining CSC-435	27	1.0	0.6	66	2.0	0.8	1.4
	CSC-555 Practical Based On CSC-505	95	3.0	1.8	67	2.0	0.8	2.6
	CSC-436 Practical Based On CSC-435	95	3.0	1.8	67	2.0	0.8	2.6
	Major Project CSC-557	95	3.0	1.8	69	2.0	0.8	2.6
	Seminar CSC-558	95	3.0	1.8	59	2.0	0.8	2.6
							Total	39.8
							Average	2.7

Department of Microbiology
Subject-M.Sc. Microbiology
Course Outcome Attainment Level for the Academic Year 2023-24

Class & Semester	Name of the Paper/ Course	% of Students scoring more than 60% marks in University Exams	Attainment Level	60% of Attainment Level in End Term Exam (I)	% of Students above 70% Internal Marks	Attainment Level	40% Attainment Level in Internal Exam (II)	Course Outcome Attainment (I+II)
M.Sc. SY Micro Biology IIIrd Sem	Enzyme -IX Technology	85	3.0	1.8	50	2.0	0.8	2.6
	Bioprocess -X Engineering and Technology	87	3.0	1.8	50	2.0	0.8	2.6
	Molecular -XI Microbial Genetics	84	3.0	1.8	50	2.0	0.8	2.6
	Environmental Microbial Technology - XII	89	3.0	1.8	50	2.0	0.8	2.6
M.Sc. SY Micro Biology IVth Sem	Recombinant DNA Technology	80	3.0	1.8	60	2.0	0.8	2.6
	Fermentation Technology	80	3.0	1.8	60	2.0	0.8	2.6
	Bioinformatics, Microbial Genomics and Proteomics	80	3.0	1.8	60	2.0	0.8	2.6
	Pharmaceutical Microbiology	90	3.0	1.8	60	2.0	0.8	2.6
							Total	**20.8**
							Average	**2.6**

Department of Biotechnology
Subject-M.Sc. Biotechnology
Course Outcome Attainment Level for the Academic Year 2023-24

Class & Semester	Name of the Paper/ Course	% of Students scoring more than 60% marks in University Exams	Attainment Level	60% of Attainment Level in End Term Exam (I)	% of Students above 70% Internal Marks	Attainment Level	40% Attainment Level in Internal Exam (II)	Course Outcome Attainment (I+II)
M.Sc. SY Bio Technology IIIrd Sem	Applied Immunology & Virology - IX	63	3.0	1.8	75	3.0	1.2	2.6
	Genetic Engineering - X	68	3.0	1.8	70	3.0	1.2	2.6
	Development Biology -XI	62	3.0	1.8	80	3.0	1.2	2.6
	Bioinstrumentation - XII	56	2.0	1.2	75	3.0	1.2	2.4
M.Sc. SY Bio Technology IVth Sem	Industrial Technology XIII	48	2.0	1.2	70	3.0	1.2	2.4
	Recombinant DNA Technology - XIV	50	2.0	1.2	72	3.0	1.2	2.4
	Tissue Technology - XV	47	2.0	1.2	74	3.0	1.2	2.4
	Bioinformatics - XVI	63	3.0	1.8	70	3.0	1.2	3.0
							Total	**20.4**
							Average	**2.6**

Department of Commerce
Subject – M.Com
Course Outcome Attainment Level for the Academic Year 2023-24

Class & Semester	Name of the Paper/ Course	% of Students scoring more than 60% marks in University Exams	Attainment Level	60% of Attainment Level in End Term Exam (I)	% of Students above 70% Internal Marks	Attainment Level	40% Attainment Level in Internal Exam (II)	Course Outcome Attainment (I+II)
M.Com. SY IIIrd Sem	RM	75	3.0	1.8	100	3.0	1.2	3.0
	HRPD	92	3.0	1.8	100	3.0	1.2	3.0
	BL	91	3.0	1.8	100	3.0	1.2	3.0
	AMD	76	3.0	1.8	100	3.0	1.2	3.0
	ED	87	3.0	1.8	100	3.0	1.2	3.0
M.Com. SY IVth Sem	QUAN TECH	32	1.0	0.6	100	3.0	1.2	1.8
	SEC ANALY	40	1.0	0.6	100	3.0	1.2	1.8
	RES PROJ	100	3.0	1.8	100	3.0	1.2	3.0
	ADVERTISING	55	2.0	1.2	100	3.0	1.2	2.4
	Project Work and Viva Voce	100	3.0	1.8	100	3.0	1.2	3.0
							Total	27
							Average	2.7

Department of Management Science
Subject- MPM
Course Outcome Attainment Level for the Academic Year 2023-24

Class & Semester	Name of the Paper/ Course	% of Students scoring more than 60% marks in University Exams	Attainment Level	60% of Attainment Level in End Term Exam (I)	% of Students above 70% Internal Marks	Attainment Level	40% Attainment Level in Internal Exam (II)	Course Outcome Attainment (I+II)
M.P.M SY IIIrd Sem	Training & Development (TD)	90	3.0	1.8	100	3.0	1.2	3.0
	Industrial Safety Management	55	2.0	1.2	100	3.0	1.2	2.4
	Labor Costing	74	3.0	1.8	100	3.0	1.2	3.0
	Labor Laws	85	3.0	1.8	100	3.0	1.2	3.0
	Functional & Change Management	95	3.0	1.8	100	3.0	1.2	3.0
	GHR	91	3.0	1.8	100	3.0	1.2	3.0
	HRPD	90	3.0	1.8	100	3.0	1.2	3.0
M.P.M SY IVth Sem	Organizational Development & Quality Management Systems	29	1.0	0.6	100	3.0	1.2	1.8
	Strategic Human Resource Management	71	3.0	1.8	100	3.0	1.2	3.0
	Case Study in Human Resource Management	63	3.0	1.8	100	3.0	1.2	3.0
	Labor Laws-IV	67	3.0	1.8	100	3.0	1.2	3.0
	Project Report & Viva	100	3.0	1.8	100	3.0	1.2	3.0
	Global H.R.M	100	3.0	1.8	100	3.0	1.2	3.0
							Total	**37.2**
							Average	**2.90**

Department of Physical Education
Subject - Physical Education
Course Outcome Attainment Level for the Academic Year 2023-24

Class & Semester	Name of the Paper/ Course	% of Students scoring more than 60% marks in University Exams	Attainment Level	60% of Attainment Level in End Term Exam (I)	% of Students above 70% Internal Marks	Attainment Level	40% Attainment Level in Internal Exam (II)	Course Outcome Attainment (I+II)
B.A. TY Vth Sem	PHY EDU -301 Paper No. VII	98	3	1.8	99	3	1.2	3.0
B.A. TY VIth Sem	PHY EDU -303 Paper No. IX	99	3	1.8	100	3	1.2	3.0
	PHY EDU -305 Paper No. XI	--	--	--	--	--	--	--
							Total	**6.0**
							Average	**2.0**

Department of English
Subject – English
Course Outcome Attainment Level for the Academic Year 2023-24

Class & Semester	Name of the Paper/ Course	% of Students scoring more than 60% marks in University Exams	Attainment Level	60% of Attainment Level in End Term Exam (I)	% of Students above 70% Internal Marks	Attainment Level	40% Attainment Level in Internal Exam (II)	Course Outcome Attainment (I+II)
B.A. TY Vth Sem	English - IX	15	1.0	0.6	91	3.0	1.2	1.8
	English - X	22	1.0	0.6	62	2.0	0.8	1.4
	English - XI	36	1.0	0.6	70	3.0	1.2	1.8
B.A. TY VIth Sem	English - XIII	09	1.0	0.6	74	3.0	1.2	1.8
	English - XIV	31	1.0	0.6	72	3.0	1.2	1.8
	English - XV	30	1.0	0.6	87	3.0	1.2	1.8
	English - XVI (Project)	99	3.0	1.8	86	3.0	1.2	3.0
							Total	**13.4**
							Average	**1.9**

Department of Hindi

Subject – Hindi
Course Outcome Attainment Level for the Academic Year 2023-24

Class & Semester	Name of the Paper/ Course	% of Students scoring more than 60% marks in University Exams	Attainment Level	60% of Attainment Level in End Term Exam (I)	% of Students above 70% Internal Marks	Attainment Level	40% Attainment Level in Internal Exam (II)	Course Outcome Attainment (I+II)
B.A. TY Vth Sem	Hindi-IX	70	3	1.8	99	3.0	1.2	3.0
	Hindi-X	89	3	1.8	77	3.0	1.2	3.0
	Hindi-XI	99	3	1.8	91	3.0	1.2	3.0
B.A. TY VIth Sem	Hindi- XIII	58	2	1.2	77	3.0	1.2	3.0
	Hindi-XIV	56	2	1.2	49	2.0	0.8	2.0
	Hindi-XV	60	2	1.2	50	2.0	0.8	2.0
	Hindi-XIV	98	3	1.8	99	3.0	1.2	3.0
							Total	**19.0**
							Average	**2.7**

Department of Urdu
Subject- Urdu
Course Outcome Attainment Level for the Academic Year 2023-24

Class & Semester	Name of the Paper/ Course	% of Students scoring more than 60% marks in University Exams	Attainment Level	60% of Attainment Level in End Term Exam (I)	% of Students above 70% Internal Marks	Attainment Level	40% Attainment Level in Internal Exam (II)	Course Outcome Attainment (I+II)
B.A. TY Vth Sem	Maktoob P-IX	85	3.0	1.8	75	3.0	1.2	3.0
	Inshaya P-X	85	3.0	1.8	73	3.0	1.2	3.0
	Adabi Tanqeed P-XI	90	3.0	1.8	77	3.0	1.2	3.0
B.A. TY VIth Sem	Khaka aur swaneh	34	1.0	0.6	75	3.0	1.2	1.8
	Safarnama aur Reportage	28	1.0	0.6	72	3.0	1.2	1.8
	Jadeed Zarai Iblag aur Tarjumanigari	37	1.0	0.6	70	3.0	1.2	1.8
							Total	**14.4**
							Average	**2.4**

Department of Political Science
Subject-Political Science
Course Outcome Attainment Level for the Academic Year 2023-24

Class & Semester	Name of the Paper/ Course	% of Students scoring more than 60% marks in University Exams	Attainment Level	60% of Attainment Level in End Term Exam (I)	% of Students above 70% Internal Marks	Attainment Level	40% Attainment Level in Internal Exam (II)	Course Outcome Attainment (I+II)
B.A. TY Vth Sem	Indian Political Thinkers Pol-109	0.51	1	0.6	85	3	1.2	1.8
	Western Political Thinkers Pol-110	11	1	0.6	90	3	1.2	1.8
	Political Ideology Pol-111	11	1	0.6	85	3	1.2	1.8
B.A. TY VIth Sem	Indian Political Thinkers Pol-113	38	1	0.6	90	3	1.2	1.8
	Western Political Thinkers Pol-114	41	1	0.6	90	3	1.2	1.8
	Political Ideology Pol-115	40	1	0.6	85	3	1.2	1.8
							Total	**10.8**
							Average	**1.8**

Department of Sociology
Subject-Sociology
Course Outcome Attainment Level for the Academic Year 2023-24

Class & Semester	Name of the Paper/ Course	% of Students scoring more than 60% marks in University Exams	Attainment Level	60% of Attainment Level in End Term Exam (I)	% of Students above 70% Internal Marks	Attainment Level	40% Attainment Level in Internal Exam (II)	Course Outcome Attainment (I+II)
B.A. TY Vth Sem	Paper No IX	100	3.0	1.8	70	3.0	1.2	3.0
	Paper No X	27	1.0	0.6	77	3.0	1.2	1.8
	Paper No XI	48	2.0	1.2	78	3.0	1.2	2.4
B.A. TY VIth Sem	Paper No XII	19	1.0	0.6	80	3.0	1.2	1.8
	Paper No XIV	42	2.0	1.2	77	3.0	1.2	2.4
	Paper No XV	16	1.0	0.6	80	3.0	1.2	1.8
	Project	100	3.0	1.8	79	3.0	1.2	3.0
							Total	**16.2**
							Average	**2.3**

Department of Economics
Subject- Economics
Course Outcome Attainment Level for the Academic Year 2023-24

Class & Semester	Name of the Paper/ Course	% of Students scoring more than 60% marks in University Exams	Attainment Level	60% of Attainment Level in End Term Exam (I)	% of Students above 70% Internal Marks	Attainment Level	40% Attainment Level in Internal Exam (II)	Course Outcome Attainment (I+II)
B.A. TY Vth Sem	International Economics-IX	100	3	1.8	87	3	1.2	3
	Labor Economics- X	99	3	1.8	88	3	1.2	3
	Agriculture Economics-XI	89	3	1.8	89	3	1.2	3
B.A. TY VIth Sem	Industrial Economics XIV	86	3	1.8	85	3	1.2	3
	Research Methodology XIII	57	3	1.2	89	3	1.2	2.4
	Economics Thinker- XV	98	3	1.8	100	3	1.2	3
	Economic Project Based on (Paper XV)-XVI	100	3	1.8	97	3	1.2	3
							Total	**20.4**
							Average	**2.9**

Department of Psychology
Subject- Psychology
Calculation of Course Outcome Attainment for the Academic Year 2023-24

Class & Semester	Name of the Paper/ Course	% of Students scoring more than 60% marks in University Exams	Attainment Level	60% of Attainment Level in End Term Exam (I)	% of Students above 70% Internal Marks	Attainment Level	40% Attainment Level in Internal Exam (II)	Course Outcome Attainment (I+II)
B.A. TY Vth Sem	Subsidiary Abnormal Psychology P - 1213	15	1	0.6	99	3	1.2	1.8
	Organizational Psychology P-1313	25	1	0.6	98	3	1.2	1.8
	Main Introduction to Counseling P-1413	98	3	1.8	100	3	1.2	3.0
B.A. TY VIth Sem	Subsidiary Psychology P - 1513	13	1	0.6	90	3	1.2	1.8
	Organizational Behavior P-1613	90	3	1.8	89	3	1.2	3.0
	Main Counseling in Action P-1713	59	2	1.2	100	3	1.2	2.4
							Total	**13.8**
							Average	**2.76**

Department of History
Subject – History
Course Outcome Attainment Level for the Academic Year 2023-24

Class & Semester	Name of the Paper/ Course	% of Students scoring more than 60% marks in University Exams	Attainment Level	60% of Attainment Level in End Term Exam (I)	% of Students above 70% Internal Marks	Attainment Level	40% Attainment Level in Internal Exam (II)	Course Outcome Attainment (I+II)
B.A. TY Vth Sem	Historeography P-IX	8	1	0.6	80	3	1.2	1.8
	History of Freedom Struggle 1885-1947 P-X	16	1	0.6	89	3	1.2	1.8
	History of India 1757-1885 P-XI	9	1	0.6	80	3	1.2	1.8
B.A. TY VIth Sem	Field of History P- History XIII	30	1	0.6	87	3	1.2	1.8
	History of Modern World P-History XIV	10	1	0.6	90	3	1.2	1.8
	Glimpse of Marathwada P-History XV	37	1	0.6	99	3	1.2	1.8
	Project Work	99	3	1.8	86	3	1.2	1.8
							Total	**13.8**
							Average	**1.97**

MAPPING of COs and POs

Operating Procedure developed to validate POs for some courses
Assessment Method

Program Outcomes	Courses Considered	Method of Assessment	Source file
Described POs	The Attainment for each PO is obtained by mapping POs with Corresponding COs	**Direct Assessment** **1) Internal Evaluation** Tests Assignments Seminars Presentation **2) External Evaluation** End Semester Exam	Result analysis

Correlation level 1: Small (Low)
Correlation level 2: Average (Medium)
Correlation level 3: Good (High)

Mapping Factor (Correlation Level)

It determines the extent of mapping of COs with POs in at three levels:
Level 3: Good or high mapping (good contribution towards the attainment)
Level 2: Average or medium mapping (average contribution towards the attainment)
Level 1: Small or low mapping (little contribution towards the attainment)

Calculation for Program Outcome Attainment: Academic Year 2023-24

Step-I: COs are mapped with POs in the internal and university exams (B.B.A)
Subject: MANAGEMENT ACCOUNTING

Paper	Paper – MANAGEMENT ACCOUNTING			
Course Outcomes	Test 1	Test 2	End Semester Exam	Average
CO1	3	-	3	3
CO2	3	-	3	3
CO3	3	-	3	3
CO4	-	3	3	3
CO5	-	3	3	3
Average	3	3	3	3

Calculation for Program Outcome Attainment: Academic Year 2023-24

Step-I: COs are mapped with POs in the internal and university exams (B.B.A)
Subject: MP-V

Paper	Paper – MANAGEMENT PERSPECTIVE-V			
Course Outcomes	Test 1	Test 2	End Semester Exam	Average
CO1	3	-	3	3
CO2	3	-	3	3
CO3	3	-	3	3
CO4	-	3	3	3
CO5	-	3	3	3
Average	3	3	3	3

Calculation for Program Outcome Attainment: Academic Year 2023-24

Step-I: COs are mapped with POs in the internal and university exams (B.B.A)
Subject: CM-I

Paper	Paper –CAPITAL MARKETING			
Course Outcomes	Test 1	Test 2	End Semester Exam	Average
CO1	3	-	3	3
CO2	3	-	3	3
CO3	3	-	3	3
CO4	-	3	3	3
CO5	-	3	3	3
Average	3	3	3	3

Calculation for Program Outcome Attainment: Academic Year 2023-24

Step-I: COs are mapped with POs in the internal and university exams (B.B.A)
Subject: IAB

Paper	Paper – INSTITUATIONAL ASSISTANCE TO BUSINESS			
Course Outcomes	Test 1	Test 2	End Semester Exam	Average
CO1	3	-	3	3
CO2	3	-	3	3
CO3	3	-	3	3
CO4	-	3	3	3
CO5	-	3	3	3
Average	3	3	3	3

Calculation for Program Outcome Attainment: Academic Year 2023-24

Step-I: COs are mapped with POs in the internal and university exams (B.B.A)
Subject: TL-I

Paper	Paper – TAXATION LAW-I			
Course Outcomes	Test 1	Test 2	End Semester Exam	Average
CO1	3	-	3	3
CO2	3	-	3	3
CO3	3	-	3	3
CO4	-	3	3	3
CO5	-	3	3	3
Average	3	3	3	3

Calculation for Program Outcome Attainment: Academic Year 2023-24

Step-I: COs are mapped with POs in the internal and university exams (B.B.A)
Subject: EB&I

Paper	Paper – E-BANKING & INTERNET			
Course Outcomes	Test 1	Test 2	End Semester Exam	Average
CO1	3	-	3	3
CO2	3	-	3	3
CO3	3	-	3	3
CO4	-	3	3	3
CO5	-	3	3	3

Average	**3**	**3**	**3**	**3**

Calculation for Program Outcome Attainment: Academic Year 2023-24

Step-I: COs are mapped with POs in the internal and university exams (B.B.A)
Subject: AUDITING

Paper	Paper – AUDITING			
Course Outcomes	**Test 1**	**Test 2**	**End Semester Exam**	**Average**
CO1	3	-	3	3
CO2	3	-	3	3
CO3	3	-	3	3

CO4	-	**3**	**3**	**3**
CO5	-	**3**	**3**	**3**
Average	**3**	**3**	**3**	**3**

Calculation for Program Outcome Attainment: Academic Year 2023-24

Step-I: COs are mapped with POs in the internal and university exams (B.B.A)
Subject: MP-VI

Paper	Paper – MANAGERIAL PERSPECTIVE-VI			
Course Outcomes	**Test 1**	**Test 2**	**End Semester Exam**	**Average**
CO1	**3**	**-**	**3**	**3**

CO2	**3**	**-**	**3**	**3**
CO3	**3**	**-**	**3**	**3**
CO4	**-**	**3**	**3**	**3**
CO5	**-**	**3**	**3**	**3**
Average	**3**	**3**	**3**	**3**

Calculation for Program Outcome Attainment: Academic Year 2023-24

Step-I: COs are mapped with POs in the internal and university exams (B.B.A)
Subject: CM-II

Paper	Paper – CAPITAL MARKETING-II

Course Outcomes	Test 1	Test 2	End Semester Exam	Average
CO1	3	-	3	3
CO2	3	-	3	3
CO3	3	-	3	3
CO4	-	3	3	3
CO5	-	3	3	3
Average	3	3	3	3

Calculation for Program Outcome Attainment: Academic Year 2023-24

Step-I: COs are mapped with POs in the internal and university exams (B.B.A)
Subject: TL-II

Paper	Paper – TAXATION LAW-II			
Course Outcomes	Test 1	Test 2	End Semester Exam	Average
CO1	3	-	3	3
CO2	3	-	3	3
CO3	3	-	3	3
CO4	-	3	3	3
CO5	-	3	3	3
Average	3	3	3	3

Calculation for Program Outcome Attainment: Academic Year 2023-24

Step-I: COs are mapped with POs in the internal and university exams (B.B.A)
Subject: MSS

Paper	Paper – MANAGEMENT SUPPORT SYSTEM			
Course Outcomes	Test 1	Test 2	End Semester Exam	Average
CO1	3	-	3	3
CO2	3	-	3	3
CO3	3	-	3	3
CO4	-	3	3	3
CO5	-	3	3	3
Average	3	3	3	3

Calculation for Program Outcome Attainment: Academic Year 2023-24

Step-I: COs are mapped with POs in the internal and university exams (B.B.A)
Subject: PROJECT

Paper	Paper – PROJECT			
Course Outcomes	Test 1	Test 2	End Semester Exam	Average
CO1	3	-	3	3
CO2	3	-	3	3
CO3	3	-	3	3
CO4	-	3	3	3
CO5	-	3	3	3
Average	3	3	3	3

Step II: Development of overall COs & POs mapping matrix for all courses of B.COM III expressing the overall CO levels with POs in matrix form:

Course	PO1	PO2	PO3	PO4	PO5
MAC	3.0	3.0	3.0	3.0	3.0
MP-V	3.0	3.0	3.0	3.0	3.0
CM-I	3.0	3.0	3.0	3.0	3.0
IAB	2.0	3.0	3.0	3.0	3.0
TL-I	3.0	2.0	3.0	2.0	2.0
EB&I	3.0	3.0	3.0	3.0	3.0
AUD	3.0	3.0	3.0	3.0	3.0
MP-VI	3.0	3.0	3.0	3.0	3.0
CM-II	3.0	3.0	3.0	3.0	3.0
TL-II	3.0	2.0	3.0	3.0	3.0

MSS	2.0	3.0	3.0	3.0	3.0
PROJECT	3.0	3.0	3.0	3.0	3.0
Average	**2.83**	**2.83**	**3.0**	**2.92**	**2.92**
TOTAL AVG	**2.90**				

Calculation for Program Outcome Attainment: Academic Year 2023-24

Step-I: COs are mapped with POs in the internal and university exams (B.COM)
Subject: ADVANCED FINANCIAL ACCOUNTING-I

Paper	Paper – ADVANCE FINANCIAL ACCOUNTING-I			
Course Outcomes	Test 1	Test 2	End Semester Exam	Average
CO1	3	-	3	3
CO2	3	-	3	3
CO3	3	-	3	3
CO4	-	3	3	3
CO5	-	3	3	3
Average	3	3	3	3

Calculation for Program Outcome Attainment: Academic Year 2023-24

Step-I: COs are mapped with POs in the internal and university exams (B.COM)
Subject: MANAGEMENT ACCOUNTING-I

Paper	Paper – MANAGEMENT ACCOUNTING-I			
Course Outcomes	Test 1	Test 2	End Semester Exam	Average
CO1	3	-	3	3
CO2	3	-	3	3
CO3	3	-	3	3
CO4	-	3	3	3
CO5	-	3	3	3
Average	3	3	3	3

Calculation for Program Outcome Attainment: Academic Year 2023-24

Step-I: COs are mapped with POs in the internal and university exams (B.COM)

Subject: AUDITING-I

Paper	Paper – AUDITING			
Course Outcomes	Test 1	Test 2	End Semester Exam	Average
CO1	3	-	3	3
CO2	3	-	3	3
CO3	3	-	3	3
CO4	-	3	3	3
CO5	-	3	3	3
Average	3	3	3	3

Calculation for Program Outcome Attainment: Academic Year 2023-24

Step-I: COs are mapped with POs in the internal and university exams (B.COM)
Subject: COMPUTERIZED ACCOUNTING-I

Paper	Paper – COMPUTERIZED ACCOUNTING-I			
Course Outcomes	Test 1	Test 2	End Semester Exam	Average
CO1	3	-	3	3
CO2	3	-	3	3
CO3	3	-	3	3
CO4	-	3	3	3
CO5	-	3	3	3
Average	3	3	3	3

Calculation for Program Outcome Attainment: Academic Year 2023-24

Step-I: COs are mapped with POs in the internal and university exams (B.COM)
Subject: BUSINESS REGULARTORY FRAMEWORK

Paper	Paper – BUSINESS REGULATORY FRAMEWORK			
Course Outcomes	Test 1	Test 2	End Semester Exam	Average
CO1	3	-	3	3
CO2	3	-	3	3
CO3	3	-	3	3
CO4	-	3	3	3
CO5	-	3	3	3
Average	3	3	3	3

Calculation for Program Outcome Attainment: Academic Year 2023-24

Step-I: COs are mapped with POs in the internal and university exams (B.COM)
Subject: MSME MANAGEMENT

Paper	Paper – MSME MANAGEMENT			
Course Outcomes	Test 1	Test 2	End Semester Exam	Average
CO1	3	-	3	3
CO2	3	-	3	3
CO3	3	-	3	3
CO4	-	3	3	3
CO5	-	3	3	3
Average	3	3	3	3

Calculation for Program Outcome Attainment: Academic Year 2023-24

Step-I: COs are mapped with POs in the internal and university exams (B.COM)
Subject: ADVANCED FINANCIAL ACCOUNTING-II

Paper	Paper – ADVANCE FINANCIAL ACCOUNTING-II			
Course Outcomes	Test 1	Test 2	End Semester Exam	Average
CO1	3	-	3	3
CO2	3	-	3	3
CO3	3	-	3	3
CO4	-	3	3	3
CO5	-	3	3	3
Average	3	3	3	3

Calculation for Program Outcome Attainment: Academic Year 2023-24

Step-I: COs are mapped with POs in the internal and university exams (B.COM)
Subject: MANAGEMENT ACCOUNTING-II

Paper	Paper – MANAGEMENT ACCOUNTING-II			
Course Outcomes	Test 1	Test 2	End Semester Exam	Average
CO1	3	-	3	3
CO2	3	-	3	3
CO3	3	-	3	3
CO4	-	3	3	3
CO5	-	3	3	3
Average	3	3	3	3

Calculation for Program Outcome Attainment: Academic Year 2023-24

Step-I: COs are mapped with POs in the internal and university exams (B.COM)
Subject: DIRECT TAX

Paper	Paper – DIRECT TAX			
Course Outcomes	Test 1	Test 2	End Semester Exam	Average
CO1	3	-	3	3
CO2	3	-	3	3
CO3	3	-	3	3
CO4	-	3	3	3
CO5	-	3	3	3
Average	3	3	3	3

Calculation for Program Outcome Attainment: Academic Year 2023-24

Step-I: COs are mapped with POs in the internal and university exams (B.COM)
Subject: BUSINESS REGULATORY FRAMEWORK

Paper	Paper – BUSINESS REGULATORY FRAMEWORK			
Course Outcomes	**Test 1**	**Test 2**	**End Semester Exam**	**Average**
CO1	3	-	3	3
CO2	3	-	3	3
CO3	3	-	3	3
CO4	-	3	3	3
CO5	-	3	3	3
Average	3	3	3	3

Calculation for Program Outcome Attainment: Academic Year 2023-24

Step-I: COs are mapped with POs in the internal and university exams (B.COM)
Subject: COMPUTERIZED ACCOUNTING-II

Paper	Paper – COMPUTERIZED ACCOUNTING-II			
Course Outcomes	Test 1	Test 2	End Semester Exam	Average
CO1	3	-	3	3
CO2	3	-	3	3
CO3	3	-	3	3
CO4	-	3	3	3
CO5	-	3	3	3
Average	3	3	3	3

Calculation for Program Outcome Attainment: Academic Year 2023-24

Step-I: COs are mapped with POs in the internal and university exams (B.COM)
Subject: CAPITAL MARKET

Paper	Paper – CAPITAL MARKET			
Course Outcomes	Test 1	Test 2	End Semester Exam	Average
CO1	3	-	3	3
CO2	3	-	3	3
CO3	3	-	3	3
CO4	-	3	3	3
CO5	-	3	3	3
Average	3	3	3	3

Step II: Development of overall COs & POs mapping matrix for all courses of B.COM III expressing the overall CO levels with POs in matrix form:

Course	PO1	PO2	PO3	PO4	PO5
AFA-I	3.0	3.0	3.0	3.0	3.0
MAC-I	3.0	3.0	3.0	3.0	3.0
AUDITING	3.0	3.0	3.0	3.0	3.0
CAC-I	2.0	3.0	3.0	3.0	3.0
BRF	3.0	2.0	3.0	2.0	2.0
MSME	3.0	3.0	3.0	3.0	3.0
AFA-II	3.0	3.0	3.0	3.0	3.0
MAC-II	3.0	3.0	3.0	3.0	3.0
DIRECT TAX	3.0	3.0	3.0	3.0	3.0

BRF	3.0	2.0	3.0	3.0	3.0
CAC-II	2.0	3.0	3.0	3.0	3.0
CAPITAL MARKET	3.0	3.0	3.0	3.0	3.0
Average	**2.83**	**2.83**	**3.0**	**2.92**	**2.92**
TOTAL AVG	**2.90**				