

Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya Ramanandnagar (Burli)
 Department of Chemistry
Course Articulation Matrix (CO's- PO's)
B. Sc. I (Semester I & II)
2023-24

DSC-3A- Chemistry paper I (Inorganic Chemistry)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	H									
CO2		L								
CO3				H						
CO4								L		H
CO5	H									
CO6									L	

Course Level Mapping (Course -PO's)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
DSC-3A- Chemistry paper I (Inorganic Chemistry)	H	L	-	H	-	-	-	L	L	H

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
DSC-3A- Chemistry paper I (Inorganic Chemistry)	56.09	28.04	-	56.09	-	-	-	28.04	28.04	56.09

DSC-4A- Chemistry paper II (Organic Chemistry)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO7	H							L		
CO8			H					H		H
CO9										
CO10	H									
CO11	H									
CO12			H		L					

Course Level Mapping (Course -PO's)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
DSC-4A- Chemistry paper II (Organic Chemistry)	H	-	H	-	L	-	-	H	-	H

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
DSC-4A- Chemistry paper II (Organic Chemistry)	66.25	-	66.25	-	33.12	-	-	66.25	-	66.25

DSC-3B-Chemistry Paper III (Physical Chemistry)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO19	H					H				H
CO20	L	H		L					H	
CO21	H		L		H	L	H			
CO22	H								L	
CO23		L	H							
CO24	H					H	L			L
CO25			H		H	H	L	H		L

Course Level Mapping (Course -PO's)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
DSC-3B- Chemistry Paper III (Physical Chemistry)	H	H	H	L	H	H	L	H	H	L
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
DSC-3B- Chemistry Paper III (Physical Chemistry)	76.24	76.24	76.24	38.12	76.24	76.24	38.12	76.24	76.24	38.12

DSC 4B: Chemistry Paper-IV (Analytical Chemistry)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO13			H			H				
CO14	H						L			
CO15							H			
CO16	L								H	
CO17				H						
CO18				H	L					L

Course Level Mapping (Course -PO's)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
DSC 4B: Chemistry Paper-IV (Analytical Chemistry)	H	-	H	H	L	H	H	-	H	L

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
DSC 4B: Chemistry Paper-IV (Analytical Chemistry)	84.20	-	84.20	84.20	42.10	84.20	84.20	-	84.20	42.10


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Department of Chemistry
Course Articulation Matrix (CO's- PO's)
B. Sc. II (Semester III & VI)
2022-23

DSC- C3 - Chemistry paper no. V (Physical Chemistry)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO26	H									
CO27				L					H	
CO28	H		L							
CO29	H									
CO30			L							
CO31	H									L

Course Level Mapping (Course -PO's)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
DSC- C3 - Chemistry paper no. V (Physical Chemistry)	H	-	L	L	-	-	-	-	H	L

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
DSC- C3 - Chemistry paper no. V (Physical Chemistry)	80.10	-	40.05	40.05	-	-	-	-	80.10	40.05

DSC-C4- Chemistry paper no. VI (Industrial Chemistry)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO32	H									
CO33				L						
CO34	H									
CO35										L
CO36	H									
CO37				H						

Course Level Mapping (Course -PO's)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
DSC-C4- Chemistry paper no. VI (Industrial Chemistry)	H	-	-	H	-	-	-	-	-	L

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
DSC-C4- Chemistry paper no. VI (Industrial Chemistry)	85.20	-	-	85.20	-	-	-	-	-	42.60

DSC-D3- Chemistry paper no. VII (Inorganic Chemistry)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO38	H									
CO39	L									
CO40								H		
CO41			L							
CO42										H
CO43										H
CO44				L						

Course Level Mapping (Course -PO's)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
DSC-D3- Chemistry paper no. VII (Inorganic Chemistry)	H	-	L	L	-	-	-	H	-	H

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
DSC-D3- Chemistry paper no. VII (Inorganic Chemistry)	81.00	-		40.5	-	-	-	81.10	-	81.10

DSC- D4 - Chemistry paper no. VIII (Organic Chemistry)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO45			H						H	
CO46			L					H		
CO47									L	
CO48	L									
CO49								H		
CO50								H		

Course Level Mapping (Course -PO's)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
DSC- D4 - Chemistry paper no. VIII (Organic Chemistry)	L	-	H	-	-	-	-	H	L	-

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
DSC- D4 - Chemistry paper no. VIII (Organic Chemistry)	84.00	-	42.00	-	-	-	-	84.00	42.00	-


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Department of Chemistry

Course Articulation Matrix (CO's- PO's)

B. Sc. III (Semester V & VI)

2022-23

Paper XI Physical Chemistry

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
COS1	H								H	
COS2	H	H		L			L		H	
COS3	H			L		H	H		L	L
COS4	L		H		H			L		
COS5		L				L				
COS6			L	H	L		H	H		L

Course Level Mapping (Course -PO's)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Paper XI Physical Chemistry	H	H	H	L	H	H	H	H	H	L

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Paper XI Physical Chemistry	88.20	88.20	88.20	44.10	88.20	88.20	88.20	88.20	88.20	44.10

Paper IX Inorganic Chemistry

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO57	H									
CO58										H
CO59			L							
CO60								H		
CO61					L					
CO62										H

Course Level Mapping (Course -PO's)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Paper IX Inorganic Chemistry	H	-	L	-	L	-	-	H	-	H

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Paper IX Inorganic Chemistry	84.22	-	42.11	-	42.11	-	-	84.22	-	84.22

Paper X Organic Chemistry

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Course Level Mapping (Course -PO's)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Paper X Organic Chemistry	H	H	-	-	-	-	-	-	-	L

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Paper X Organic Chemistry	74.50	74.50	-	-	-	-	-	-	-	37.25

Paper XII Analytical Chemistry

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO69										H
CO70				L						
CO71	H									
CO72										L
CO73	H									L
CO74	H									
CO75		L								

Course Level Mapping (Course -PO's)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Paper XII Analytical Chemistry	H	L	-	L	-	-	-	-	-	L

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Paper XII Analytical Chemistry	76.14	38.07	-	38.07	-	-	-	-	-	38.07

Paper XIII Inorganic Chemistry

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
C076			L							
C077	H									
C078			L							
C079										L
C080										L
C081				H						

Course Level Mapping (Course -PO's)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Paper XIII Inorganic Chemistry	H	-	L	H	-	-	-	-	-	L

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Paper XIII Inorganic Chemistry	80.46	-	40.23	80.46	-	-	-	-	-	40.23

Paper XIV Organic Chemistry

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO82	L							H		
CO83	H									
CO84					H					
CO85			L							
CO86									H	
CO87	H									
CO88				L						
CO89				L						

Course Level Mapping (Course -PO's)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Paper XIV Organic Chemistry	H	-	L	L	H	-	-	H	H	-

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Paper XIV Organic Chemistry	82.44	-	41.22	41.22	82.44	-	-	82.44	82.44	-

Chemistry Paper No. XV (Physical Chemistry)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO90	H			L		L			L	
CO91		H				L	L			
CO92			L	H		L	H	L		H
CO93	L			L			L			L
CO94	H	H					L		H	
CO95			H		H	L		H		L

Course Level Mapping (Course -PO's)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Chemistry Paper No. XV (Physical Chemistry)	H	H	H	L	H	L	L	H	H	L

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Chemistry Paper No. XV (Physical Chemistry)	80.58	80.58	80.58	40.29	80.58	40.29	40.29	80.58	80.58	40.29

Paper No. XVI (Industrial Chemistry)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
C096						L				
C097				H						
C098				L						
C099	H									
C0100					H					
C0101							H			

Course Level Mapping (Course -PO's)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Paper No. XVI (Industrial Chemistry)	H	-	-	H	H	-	H	-	-	-

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Paper No. XVI (Industrial Chemistry)	82.60	-	-	82.60	82.60	-	82.60	-	-	-


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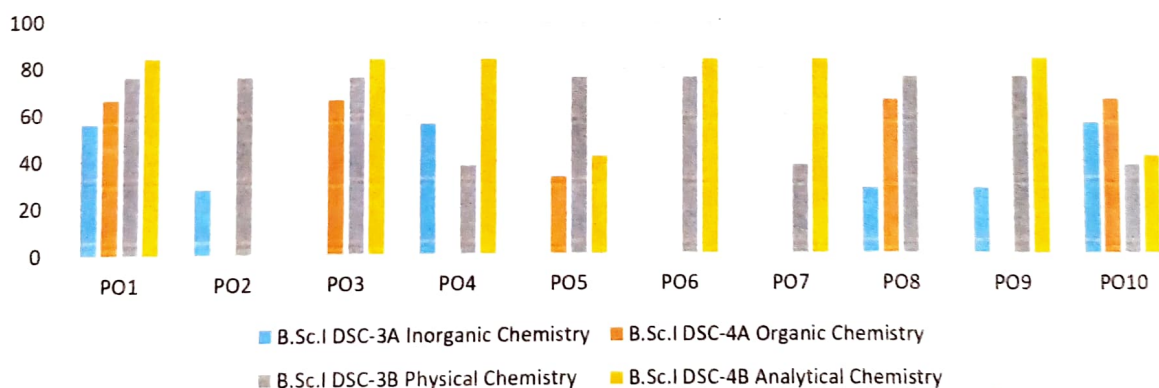

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 Department of Chemistry
Programme Articulation Matrix 2023-24
B.Sc. I Chemistry

Class	Course Code	Course name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
B.Sc.I	DSC-3A	Inorganic Chemistry	H	L	-	H	-	-	-	L	L	H
B.Sc.I	DSC-4A	Organic Chemistry	H	-	H	-	L	-	-	H	-	H
B.Sc.I	DSC-3B	Physical Chemistry	H	H	H	L	H	H	L	H	H	L
B.Sc.I	DSC-4B	Analytical Chemistry	H	-	H	H	L	H	H	-	H	L

Class	Course Code	Course name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
B.Sc.I	DSC-3A	Inorganic Chemistry	56.09	28.04	-	56.09	-	-	-	28.04	28.04	56.09
B.Sc.I	DSC-4A	Organic Chemistry	66.25	-	66.25	-	33.12	-	-	66.25	-	66.25
B.Sc.I	DSC-3B	Physical Chemistry	76.24	76.24	76.24	38.12	76.24	76.24	38.12	76.24	76.24	38.12
B.Sc.I	DSC-4B	Analytical Chemistry	84.20	-	84.20	84.20	42.10	84.20	84.20	-	84.20	42.10

Programme Articulation Matrix 2023-24
B.Sc.I Chemistry



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Programme Articulation Matrix 2023-24

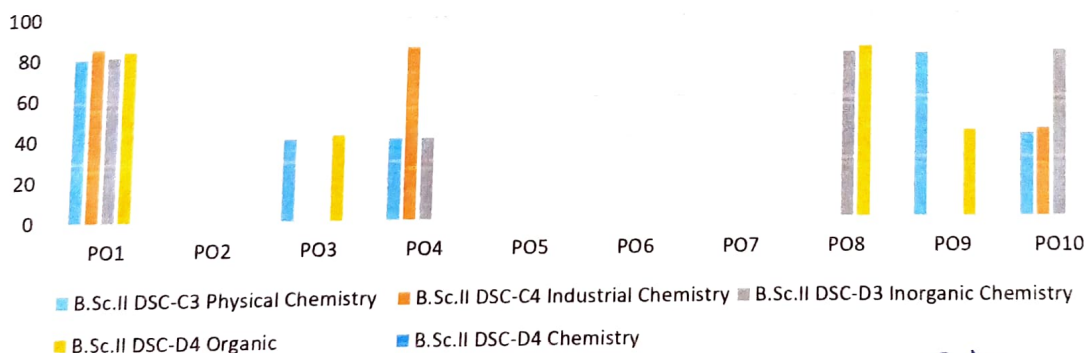
B.Sc. II Chemistry

Class	Course Code	Course name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
B.Sc.II	DSC-C3	Physical Chemistry	H	-	L	L	-	-	-	-	H	L
B.Sc.II	DSC-C4	Industrial Chemistry	H	-	-	H	-	-	-	-	-	L
B.Sc.II	DSC-D3	Inorganic Chemistry	H	-	L	L	-	-	-	H	-	H
B.Sc.II	DSC-D4	Organic Chemistry	L	-	H	-	-	-	-	H	L	-

Class	Course Code	Course name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
B.Sc.II	DSC-C3	Physical Chemistry	80.10	-	40.05	40.05	-	-	-	-	80.10	40.05
B.Sc.II	DSC-C4	Industrial Chemistry	85.20	-	-	85.20	-	-	-	-	-	42.60
B.Sc.II	DSC-D3	Inorganic Chemistry	81.00	-	-	40.5	-	-	-	81.10	-	81.10
B.Sc.II	DSC-D4	Organic Chemistry	84.00	-	42.00	-	-	-	-	84.00	42.00	-

Programme Articulation Matrix 2023-24

B.Sc.II Chemistry



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Department of Chemistry

Programme Articulation Matrix 2023-24

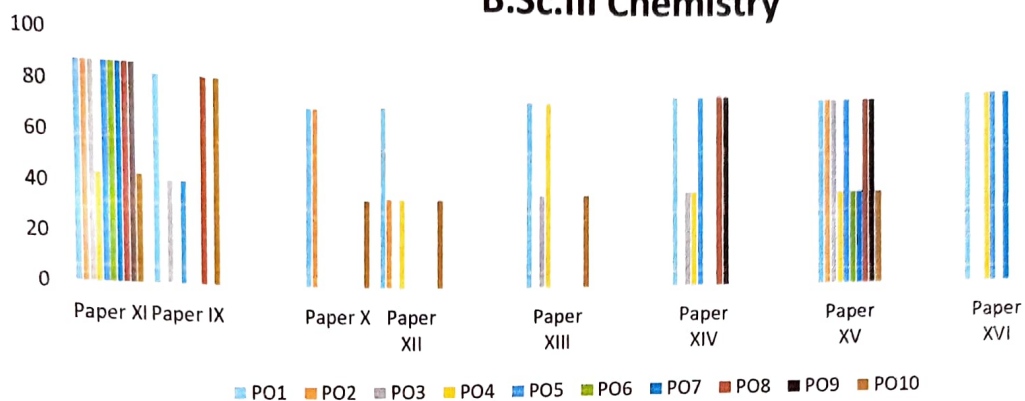
B.Sc. III Chemistry

Class	Course Code	Course name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
B.Sc.III	Paper XI	Physical Chemistry	H	H	H	L	H	H	H	H	H	L
B.Sc.III	Paper IX	Inorganic Chemistry	H	-	L	-	L	-	-	H	-	H
B.Sc.III	Paper X	Organic Chemistry	H	H	-	-	-	-	-	-	-	L
B.Sc.III	Paper XII	Analytical Chemistry	H	L	-	L	-	-	-	-	-	L
B.Sc.III	Paper XIII	Inorganic Chemistry	H	-	L	H	-	-	-	-	-	L
B.Sc.III	Paper XIV	Organic Chemistry	H	-	L	L	H	-	-	H	H	-
B.Sc.III	Paper XV	Physical Chemistry	H	H	H	L	H	L	L	H	H	L
B.Sc.III	Paper XVI	Industrial Chemistry	H	-	-	H	H	-	H	-	-	-

Class	Course Code	Course name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
B.Sc.III	Paper XI	Physical Chemistry	88.20	88.20	88.20	44.10	88.20	88.20	88.20	88.20	88.20	44.10
B.Sc.III	Paper IX	Inorganic Chemistry	84.22	-	42.11	-	42.11	-	-	84.22	-	84.22
B.Sc.III	Paper X	Organic Chemistry	74.50	74.50	-	-	-	-	-	-	-	37.25
B.Sc.III	Paper XII	Analytical Chemistry	76.14	38.07	-	38.07	-	-	-	-	-	38.07
B.Sc.III	Paper XIII	Inorganic Chemistry	80.46	-	40.23	80.46	-	-	-	-	-	40.23
B.Sc.III	Paper XIV	Organic Chemistry	82.44	-	41.22	41.22	82.44	-	-	82.44	82.44	-
B.Sc.III	Paper XV	Physical Chemistry	80.58	80.58	80.58	40.29	80.58	40.29	40.29	80.58	80.58	40.29
B.Sc.III	Paper XVI	Industrial Chemistry	82.60	-	-	82.60	82.60	-	82.60	-	-	-

Programme Articulation Matrix 2023-24

B.Sc.III Chemistry



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