



# Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur

A Premier Higher Education Linguistic Minority Institutes Run By Sindhi Hindi Vidya Samiti



## 2.6.2 Attainment of Programme outcomes and course outcomes

### Department of Mathematics

<b>Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur</b>									
<b>M.Sc.</b>									
<b>Session - 2022 - 23</b>									
<b>Course Outcome Attainment Sheet</b>									
<b>Semester - IV</b>		<b>Name of Course - Dynamical Systems</b>							
<b>Subject - Mathematics</b>		<b>Paper - I</b>							
Programme (Branch)		Internal Exam (X)					Terminal Exam (Z)	Direct Attainment(T)=	Final CO Attainment (FCO)
		UT1	UT2	UT3	UT4	Total Internal Exam (X)			
M.Sc Mathematics	CO1	33.3333				33.3333	33.3333	33.33	33.33
	CO2		38.0952			38.0952	38.0952	38.10	38.1
	CO3			23.8095		23.8095	28.5714	52.38	52.38
	CO4				33.3333	33.3333	33.3333	33.33	33.33

<b>Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur</b>									
<b>M.Sc.</b>									
<b>Session - 2022 - 23</b>									
<b>Course Outcome Attainment Sheet</b>									
<b>Semester - IV</b>		<b>Name of Course - Partial Differential Equations</b>							
<b>Subject - Mathematics</b>		<b>Paper - II</b>							
Programme (Branch)		Internal Exam (X)					Terminal Exam (Z)	Direct Attainment(T)=	Final CO Attainment (FCO)
		UT1	UT2	UT3	UT4	Total Internal Exam (X)			
M.Sc Mathematics	CO1	28.5714				28.5714	33.3333	30.95	30.95
	CO2		42.8571			42.8571	28.5714	35.71	35.71
	CO3			33.3333		33.3333	38.0952	52.38	52.38
	CO4				38.0952	38.0952	23.8095	33.33	33.33



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## Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur

M.Sc.

Session - 2022 - 23

### Course Outcome Attainment Sheet

Semester - IV		Name of Course - Advanced Numerical Methods							
Subject - Mathematics		Paper - III							
Program me (Branch)	CO	Internal Exam (X)				Total Internal Exam (X)	Terminal Exam (Z)	Direct Attainment(T)=	Final CO Attainment (FCO)
		UT1	UT2	UT3	UT4		Total Terminal Exam after End of Sem (Z)		
M.Sc Mathematics	CO1	33.3333				33.3333	28.5714	30.95	30.95
	CO2		38.0952			38.0952	33.3333	35.71	35.71
	CO3			38.0952		38.0952	19.0476	52.38	52.38
	CO4				28.5714	28.5714	9.5281	33.33	33.33

## Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur

M.Sc.

Session - 2022 - 23

### Course Outcome Attainment Sheet

Semester - IV		Name of Course - Cosmology							
Subject - Mathematics		Paper - IV							
Program me (Branch)	CO	Internal Exam (X)				Total Internal Exam (X)	Terminal Exam (Z)	Direct Attainment(T)=	Final CO Attainment (FCO)
		UT1	UT2	UT3	UT4		Total Terminal Exam after End of Sem (Z)		
M.Sc Mathematics	CO1	33.3333				33.3333	33.3333	33.33	33.33
	CO2		38.0952			38.0952	42.8571	40.48	40.48
	CO3			23.8095		23.8095	14.2857	52.38	52.38
	CO4				33.3333	33.3333	33.3333	33.33	33.33



  
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# Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur

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## Department of Botany

### Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur

M.Sc. Botany

Session - 2022 - 23

#### Course Outcome Attainment Sheet

Semester - IV		Name of Course - Cell and molecular biology I							
Subject - Botany		Paper - I							
Programme (Branch)		Internal Exam (X)					Terminal Exam (Z)	Direct Attainment(T)= (X*0.6+Z*0.4)	Final CO Attainment (FCO)
		UT1	UT2	UT3	UT4	Total Internal Exam (X)	Total Terminal Exam after End of Sem (Z)		
M.Sc Botany	CO1	72.727				72.7273	95.455	84.09	89.77
	CO2		95.455			95.4545	95.455	95.45	95.45
	CO3			90.9091		90.9091	90.909	52.38	52.38
	CO4				95.4545	95.4545	100	33.33	33.33

### Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur

M.Sc. Botany

Session - 2022 - 23

#### Course Outcome Attainment Sheet

Semester - IV		Name of Course - Molecular biology and plant breeding							
Subject - Botany		Paper - II							
Programme (Branch)		Internal Exam (X)					Terminal Exam (Z)	Direct Attainment(T)= (X*0.6+Z*0.4)	Final CO Attainment (FCO)
		UT1	UT2	UT3	UT4	Total Internal Exam	Total Terminal Exam after End of Sem (Z)		
M.Sc Botany	CO1	90.909				90.909	77.273	84.09	35.71
	CO2		95.455			95.455	72.727	84.09	30.95
	CO3			95.45		95.455	68.182	52.38	52.38
	CO4				95.455	95.455	86.364	33.33	33.33



  
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## Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur

M.Sc. Botany

Session - 2022 - 23

### Course Outcome Attainment Sheet

Semester - IV		Name of Course - Molecular biology and plant biotechnology							
Subject - Botany		Paper - III							
		Internal Exam (X)					Terminal Exam (Z)	Direct Attainment(T)= (X*0.6+Z*0.4)	Final CO Attainment (FCO)
Programme (Branch)		UT1	UT2	UT3	UT4	Total Internal Exam	Total Terminal Exam after End of Sem (Z)		
M.Sc Botany	CO1	90.909				90.9091	81.818	86.36	35.71
	CO2		95.455			95.4545	68.182	81.82	30.95
	CO3			95.45		95.4545	72.727	52.38	52.38
	CO4				95.455	95.4545	63.636	33.33	33.33

## Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur

M.Sc. Botany

Session - 2022 - 23

### Course Outcome Attainment Sheet

Semester - IV		Name of Course - Plant resources							
Subject - Botany		Paper - IV							
		Internal Exam (X)					Terminal Exam (Z)	Direct Attainment(T)= (X*0.6+Z*0.4)	Final CO Attainment (FCO)
Programme (Branch)		UT1	UT2	UT3	UT4	Total Internal Exam (X)	Total Terminal Exam after End of Sem (Z)		
M.Sc Botany	CO1	90.909				90.9091	72.727	81.82	35.71
	CO2		95.455			95.4545	72.727	84.09	30.95
	CO3			95.45		95.4545	81.818	52.38	52.38
	CO4				95.455	95.4545	77.273	33.33	33.33



  
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# Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur

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## Department of Zoology

Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur										
Session - 2022 - 23										
Course Outcome Attainment Sheet										
Semester - IV		Name of Course - Biotechniques, Biostatistics, Ethology, Toxicology and Bioinformatics								
Subject - Zoology		Paper - 4T1								
Programme (Branch)		Internal Exam (X)					Terminal Exam (Z)	Direct Attainment(T)= (X*0.6+Z*0.4)	Final CO Attainment (FCO)	
		UT1	UT2	UT3	UT4	Total Internal Exam (X)	Total Terminal Exam after End of Sem (Z)			
M.Sc (Zoology)	CO1	91.6667				91.6667	54.1667	72.92	33.59	
	CO2		79.1667			79.1667	45.8333	62.50	40.77	
	CO3			58.3333		58.3333	45.8333	52.08	28.72	
	CO4				87.5	87.5	37.5	62.50	29.74	

Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur										
B.Sc.										
Session - 2022 - 23										
Course Outcome Attainment Sheet										
Semester - IV		Name of Course - Animal Physiology-II Physiology of Respiration and Reproduction								
Subject - Zoology		Paper - 4T3								
Programme (Branch)		Internal Exam (X)					Terminal Exam (Z)	Direct Attainment(T)= (X*0.6+Z*0.4)	Final CO Attainment (FCO)	
		UT1	UT2	UT3	UT4	Total Internal Exam (X)	Total Terminal Exam after End of Sem (Z)			
M.Sc (Zoology)	CO1	13.3333				13.3333	53.846	33.59	33.59	
	CO2		20			20	61.538	40.77	40.77	
	CO3			26.667		26.667	30.769	28.72	28.72	
	CO4				13.333	13.333	46.154	29.74	29.74	



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# Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur

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## Department of Chemistry

Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur									
M.Sc.									
Session - 2022 - 23									
Course Outcome Attainment Sheet									
Semester - IV			Name of Course - Spectroscopy						
Subject - Chemistry			Paper - IV						
Programme (Branch)		Internal Exam (X)				Total Internal Exam (X)	Terminal Exam (Z)	Direct Attainment(T)= (X*0.6+Z*0.4)	Final CO Attainment (FCO)
		UT1	UT2	UT3	UT4				
M.Sc chemistry	CO1	26.5217				26.5217	47.8261	37.17	37.17
	CO2		60.8696			60.8696	39.1304	50.00	50
	CO3			52.1739		52.1739	30.4348	41.30	41.3
	CO4				60.8696	60.8696	17.3913	39.13	39.13

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M.Sc.									
Session - 2022 - 23									
Course Outcome Attainment Sheet									
Semester - IV			Name of Course - Organic Chemistry						
Subject - Chemistry			Paper - I						
Programme (Branch)		Internal Exam (X)				Total Internal Exam (X)	Terminal Exam (Z)	Direct Attainment(T)= (X*0.6+Z*0.4)	Final CO Attainment (FCO)
		UT1	UT2	UT3	UT4				
M.Sc Chemistry	CO1	52.1739				52.1739	43.4783	47.83	47.83
	CO2		56.5217			56.5217	34.7826	45.65	45.65
	CO3			82.6087		82.6087	30.4348	56.52	56.52
	CO4				20.087	20.087	17.3913	18.74	18.74



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M.Sc.									
Session - 2022 - 23									
Course Outcome Attainment Sheet									
Semester - IV					Name of Course - Environmental Chemistry				
Subject - Chemistry					Paper - III				
Programme (Branch)		Internal Exam (X)				Total Internal Exam (X)	Terminal Exam (Z)	Direct Attainment(T)= (X*0.6+Z*0.4)	Final CO Attainment (FCO)
		UT1	UT2	UT3	UT4				
M.Sc Chemistry	CO1	73.913				73.913	12.9184	43.42	33.59
	CO2		56.5217			56.5217	52.1739	54.35	54.35
	CO3			60.8696		60.8696	56.5217	58.70	58.7
	CO4				47.8261	47.8261	434.7826	241.30	241.3



  
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