

**FACULTY OF EDUCATION  
DEPARTMENT OF SCIENCE  
SCHEME OF BSC V SEMESTER (NEP)  
SESSION 2024-25**

S.No.	Group	Course Code	Subject	Course Title	Credit	El.	Theory		CCE/Internal		Practical/Project		Total Marks
							Max	Min	Max	Min	Max.	Min.	
<b>Discipline Specific Elective( Select any one group )</b>													
1	Group-A	S3-BOTA1D	Botany	Plant Physiology & Metabolism Theory Paper-I	4	PCB	60	21	40	14	-	-	100
		S3-BOTA1Q	Botany Practical	Plant Physiology & Metabolism Practical Paper-1	2	PCB	-	-	40	14	60	21	100
		S3-BOTA2D	Botany	Ecology and Forestry Theory paper -II	2	PCB	60	21	40	14	-	-	100
		S3-BOTA2Q	Botany Practical	Ecology and Forestry practical paper -II	2	PCB	-	-	40	14	60	21	100
	Group-B	S3-BOTA3D	Botany	Cytology, Plant Breeding and biotechnology Theory Paper-I	4	PCB	60	21	40	14	-	-	100
		S3-BOTA 3Q	Botany Practical	Cytology, Plant Breeding and biotechnology Practical Paper-I	2	PCB	-	-	40	14	60	21	100
		S3-BOTA4D	Botany	Biodiversity and Economic Botany Theory paper -II	2	PCB	60	21	40	14	-	-	100
		S3-BOTA4Q	Botany Practical	Biodiversity and Economic Botany Practical paper -II	2	PCB	-	-	40	14	60	21	100

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2	Group-A	S3-CHEM1D	Chemistry	Green & Agriculture chemistry Theory Paper-I	4	PCM/PCB	60	21	40	14	-	-	100
		S3-CHEM1Q	Chemistry Practical	Green & Agriculture chemistry Practical Paper-I	2	PCM/PCB	-	-	40	14	60	21	100
		S3-CHEM2D	Chemistry	Laboratory Skill, Techniques of Management Theory Paper-II	2	PCM/PCB	60	21	40	14	-	-	100
		S3-CHEM2Q	Chemistry Practical	Exercices for development of Lab Skills	2	PCM/PCB	-	-	40	14	60	21	100
	Group-B	S3-CHEM3D	Chemistry	Instrumental Techniques in Chemistry Theory Paper-I	4	PCM/PCB	60	21	40	14	-	-	100
		S3-CHEM3Q	Chemistry Practical	Instrumental Analytical Technique in Chemistry Practical Paper-I	2	PCM/PCB	-	-	40	14	60	21	100
		S3-CHEM4D	Chemistry	Biophysical, Bio inorganic and organic chemistry Theory Paper-II	2	PCM/PCB	60	21	40	14	-	-	100
		S3-CHEM4Q	Chemistry Practical	Synthesis and Analytical Tecniques Practical Paper-II	2	PCM/PCB	-	-	40	14	60	21	100

Group-A	S3-COSC1D	Computer Science	Operating System Theory Paper-I	4	PCM	60	21	40	14	-	-	100
	S3-COSC1Q	Computer Science Practical	Operating System Practical Paper-I	2	PCM	-	-	40	14	60	21	100
	S3-COSC2D	Computer Science	Programing with Python Theory Paper-II	2	PCM	60	21	40	14	-	-	100

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3	Group-B	S3-COSC2Q	Computer Science Practical	Python Programming Lab Practical Paper -II	2	PCM	-	-	40	14	60	21	
		S3-COSC3D	Computer Science	PHP & MYSOL Theory Paper-I	4	PCM	60	21	40	14	-	-	100
		S3-COSC3Q	Computer Science Practical	PHP & MYSOL Practical Paper-I	2	PCM	-	-	40	14	60	21	100
		S3-COSC4D	Computer Science	Cloud Computing Theory Paper-II	2	PCM	60	21	40	14	-	-	100
		S3-COSC4Q	Computer Science Practical	Cloud Computing Practical Paper-II	2	PCM	-	-	40	14	60	21	100
4	Group-A	S3-MATH1D	Mathematics	Numerical methods and scientific computation Theory Paper-I	6	PCM	60	21	40	14	-	-	100
		S3-MATH2D	Mathematics	Elements of Discrete mathematics Theory Paper-II	4	PCM	60	21	40	14	-	-	100
	Group-B	S3-MATH3D	Mathematics	Probability and Statistics Theory Paper-I	6	PCM	60	21	40	14	-	-	100
		S3-MATH4D	Mathematics	Integral Transform Theory Paper-II	4	PCM	60	21	40	14	-	-	100
5	Group-A	S3-MBIO1D	Microbiology	Microbial Genetics and Molecular biology Theory Paper-I	4	PCB	60	21	40	14	-	-	100
		S3-MBIO1Q	Microbiology Practical	Microbial Genetics and Molecular biology practical Paper-I	2	PCB	-	-	40	14	60	21	100
		S3-MBIO2D	Microbiology	Food Microbiology Theory Paper-II	2	PCB	60	21	40	14	-	-	100
		S3-MBIO2Q	Microbiology Practical	Techniques of Food Microbiology Practical Paper-II	2	PCB	-	-	40	14	60	21	100
	Group-B	S3-MBIO3D	Microbiology	Industrial Microbiology Theory Paper-I	4	PCB	60	21	40	14	-	-	100
		S3-MBIO3Q	Microbiology Practical	Methods of Microbial Production Practical Paper-I	2	PCB	-	-	40	14	60	21	100
		S3-MBIO4D	Microbiology	Microbes as Pathogen Theory Paper-II	2	PCB	60	21	40	14	-	-	100

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		S3-MBIO4Q	Microbiology Practical	Microbes as Pathogen Practical Paper-II	2	PCB	-	-	40	14	60	21	100
6	Group-A	S3-PHYS1D	Physics	Quantum Atonic and molecular physics Theory paper – I	4	PCM	60	21	40	14	-	-	100
		S3-PHYS1Q	Physics Practical	Quantum ,Atonic and molecular physics Practical paper - I	2	PCM	-	-	40	14	60	21	100
		S3-PHYS2D	Physics	Solid State Physics and Electronics Theory paper –I I	2	PCM	60	21	40	14	-	-	100
		S3-PHYS2Q	Physics Practical	Solid State Physics and Electronics Practical paper –II	2	PCM	-	-	40	14	60	21	100
	Group-B	S3-PHYS3D	Physics	Astronomy and Space Physics Theory paper – I	6	PCM	60	21	40	14	-	-	100
		S3-PHYS4D	Physics	Nuclear and Particle Physics Theory paper – II	4	PCM	60	21	40	14	-	-	100
7	Group-A	S3-ZOOL1D	Zoology	Aquaculture Theory paper – I	4	PCM	60	21	40	14	-	-	100
		S3-ZOOL1Q	Zoology Practical	Applied Aquaculture Practical paper - I	2	PCB	-	-	40	14	60	21	100
		S3-ZOOL2D	Zoology	Wild Life Conservation and Management Theory paper – II	2	PCB	60	21	40	14	-	-	100
		S3-ZOOL2Q	Zoology Practical	Importance of Wildlife Theory paper – II	2	PCB	-	-	40	14	60	21	100
	Group-B	S3-ZOOL3D	Zoology	Insect Taxonomy and Applied Entomology Theory paper – I	4	PCB	60	21	40	14	-	-	100
		S3-ZOOL3Q	Zoology Practical	Applied Entomology Practical paper – I	2	PCB	-	-	40	14	60	21	100

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	S3-ZOOL4D	Zoology	Ecology, Biodiversity and Evolution Theory paper – II	2	PCB	60	21	40	14	-	-	100
	S3-ZOOL4Q	Zoology Practical	Environmental Biology Practical paper – II	2	PCB	-	-	40	14	60	21	100

**VOCATIONAL SUBJECT (SELECT ANY ONE)**

1	V3-CSQ-DPT	Desktop Publishing DTP	Desktop Publishing with Photoshop	4	Open For All	50	18	-	-	50	18	100
2	V3-MAT-OMAP	Office Management and Practices	Office Management and Practices	4	Open For All	50	18	-	-	50	18	100
3	V3-ZOO-VERT	Vermicomposting	Vermicomposting and Sustainable Agriculture	4	Open For All	50	18	-	-	50	18	100
4	V3-ZOO-DAMT	Dairy Management	Dairy Management	4	Open For All	50	18	--	-	50	18	100
5	V3-EEQM-ELECT	Electrical Technology	Electrical Technology	4	Open For	50	18	-	-	50	18	100
6	V3- COS-WEBT	Web Designing	Web Designing Techniques	4	Open For All	50	18	-	-	50	18	100
7	V3-BOT-MPLT	Medicinal Plants	Indian Ethnomedicinal Plants	4	Open For All	50	18	-	-	50	18	100

**Inter/Intra Faculty**

1		Field/Project internship	Field/Project/ Internship	6	Open For ALL	-	-	-	-	100	35	100
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