

Curriculum Structure Session (2023-2024 onwards)												
Name of the Program: B.Sc.Certificate Program												
Year: First							Semester: I (Pawas)					
Course Code	Course Title	Contact Hrs per Week	Credits			Weightage (%)			CWS	MTE	ETE	
			L	T	P							
Discipline Specific Core (DSC): (Select any Three subjects)												
Botany												
24BBO5101T	Diversity of Plant Kingdom	3	0	0	3	10	20	70				
24BBO5101P	Botany Practical -I	0	0	2	1	--	--	100				
Zoology												
24BZO5101T	Biology of Non-Chordates	3	0	0	3	10	20	70				
24BZO5101P	Non-Chordate Laboratory	0	0	2	1	--	--	100				
Chemistry												
24BCH5101T	Chemistry Paper -I	3	0	0	3	10	20	70				
24BCH5101P	Chemistry Practical	0	0	2	1	--	--	100				
Mathematics												
24BMT5101T	Calculus and Optimization Techniques	3	0	0	3	10	20	70				
24BMT5101P	Practical I Lab Work-Optimization Techniques	0	0	2	1	--	--	100				
Physics												
24BPH5101T	Mechanics & Oscillations	3	0	0	3	10	20	70				
24BPH5101P	Physics Lab	0	0	2	1	--	--	100				
Geography												
24BGS5101T	Physical Geography- I (Geomorphology)	3	0	0	3	10	20	70				
24BGS5101P	Practical Geography	0	0	2	1	--	--	100				
Physical Education												
24BPE5101T	History and Foundation of Physical Education-I	3	0	0	3	10	20	70				
24BPE5101P	Practical	0	0	2	1	--	--	100				
Computer Application												
24BCS5101T	Computer Fundamentals & PC Software	3	0	0	3	10	20	70				
	Computer Fundamentals & PC Software	0	0	2	1	--	--	100				
24BCS5101P	Lab											
Economics												
24BES5101T	Micro Economics	4	0	0	4	10	20	70				
Geology												
24BGL5101T	Earth System Science (ESS)	3	0	0	3	10	20	70				
24BGL5101P	Geology Lab Earth System Sciences (ESS)	0	0	2	1	--	--	100				
Discipline Specific Elective (DSE):												
---	---	--	--	--	--	--	--	--				
Minor Subject												
---	---	--	--	--	2	--	--	--				
Multidisciplinary Course (MDC):												
---	---	--	--	--	3	--	--	--				
Ability Enhancement Course (AEC):												
---	---	--	--	--	2	--	--	--				
Skill Enhancement Course (SEC):												

Pawas Semester I

21
Dy. Registrar
Pandit Deendayal Upadhyaya
Shekhawati University,
Sikar(Rajasthan)

---	---	---	--	--	3	--	--
Value Added Course (VAC):							
---	---	---	--	--	2	--	--
Seminar/Internship/Apprenticeship/Project/Community Outreach (S/I/A/P/C):							
---	---	---	--	--	--	--	--
		Total			24		

Summary: I Semester (Pawas)			Credits
S.N.	Particulars		
1.	Discipline Specific Core(DSC):		12
2.	Discipline Specific Elective (DSE):		00
3.	Minor Subject		02
4.	Multidisciplinary Course (MDC):		03
5.	Ability Enhancement Course (AEC):		02
6.	Skill Enhancement Course (SEC):		03
7.	Value Added Course (VAC):		02
8.	Seminar/Internship/Apprenticeship/Project/Community Outreach (S/I/A/P/C):		00
	Total	Total	24
\$CW (Class work): It would include attendance, class test/quiz test/assignments, ppt, play, learn by fun activities etc.			

Note: Minor subject can be selected as per the minor subjects given on University website, it must be different from Core subjects. In case of MDC/SEC/AEC/VAC: to be selected from the list of courses given on University website.

21-
 Dy. Registrar
 Pandit Deendayal Upadhyaya
 Shekhawati University,
 Sikar(Rajasthan)

Curriculum Structure Session (2023-2024 onwards)									
Name of the Program: B.Sc. Certificate Program									
Year: First	Semester: II (Vasant)								
Course Code	Course Title	Contact Hrs per Week	Credits			Weightage (%)			
			L	T	P	CW\$	MTE	ETE	
Discipline Specific Core (DSC): (Select any Three subjects)									
Botany									
24BBO5201T	Cell Biology, Genetics and Plant Breeding	3	0	0	3	10	20	70	
24BBO5201P	Botany Practical- II	0	0	2	1	--	--	100	
Zoology									
24BZO5201T	Comparative Anatomy and Development Biology of Vertebrates	3	0	0	3	10	20	70	
24BZO5201P	Comparative Anatomy and Development Biology of Vertebrates Laboratory	0	0	2	1	--	--	100	
Chemistry									
24BCH5201T	Chemistry Paper -II	3	0	0	3	10	20	70	
24BCH5201P	Chemistry Practical	0	0	2	1	--	--	100	
Mathematics									
24BMT5201T	Discrete Mathematics & Vector Calculus	3	0	0	3	10	20	70	
24BMT5201P	Practical I Lab Work-Discrete Mathematics	0	0	2	1	--	--	100	
Physics									
24BPH5201T	Electromagnetism	3	0	0	3	10	20	70	
24BPH5201P	Physics Lab	0	0	2	1	--	--	100	
Geography									
24BGS5201T	Physical Geography- II (Climatology and Oceanography)	3	0	0	3	10	20	70	
24BGS5201P	Practical Geography	0	0	2	1	--	--	100	
Physical Education									
24BPE5201T	History and Foundation of Physical Education-II	3	0	0	3	10	20	70	
24BPE5201P	Practical	0	0	2	1	--	--	100	
Computer Application									
24BCS5201T	Programming with C	3	0	0	3	10	20	70	
24BCS5201P	Programming with C Lab	0	0	2	1	--	--	100	
Economics									
24BES5201T	Indian Economy	4	0	0	4	10	20	70	
Geology									
24BGL5201T	Mineral Science	3	0	0	3	10	20	70	
24BGL5201P	Geology Lab Mineral Science	0	0	2	1	--	--	100	
Discipline Specific Elective (DSE):									
---	---	--	--	--	--	--	--	--	
Minor Subject									
---	---	--	--	--	2	--	--	--	
Multidisciplinary Course (MDC):									
---	---	--	--	--	3	--	--	--	
Ability Enhancement Course (AEC):									
---	---	--	--	--	2	--	--	--	
Skill Enhancement Course (SEC):									
---	---	--	--	--	3	--	--	--	

Pawas Semester I

21/

Dy. Registrar
Dy. Deendayal Upadhyaya
Pandit Deendayal University,
Shekhawati (Rajasthan)
Sikar(Rajasthan)

Value Added Course (VAC):									
---	---	---	---	---	---	---	---	---	---
Seminar/Internship/Apprenticeship/Project/Community Outreach (S/I/A/P/C):									
---	---	---	---	---	---	---	---	---	---
Total									
24									

Summary: II Semester (Vasant)			Credits
S.N.	Particulars		
1.	Discipline Specific Core (DSC):		12
2.	Discipline Specific Elective (DSE):		00
3.	Minor Subject		02
4.	Multidisciplinary Course (MDC):		03
5.	Ability Enhancement Course (AEC):		02
6.	Skill Enhancement Course (SEC):		03
7.	Value Added Course (VAC):		02
8.	Seminar/Internship/Apprenticeship/Project/Community Outreach (S/I/A/P/C):		00
Total			24
\$CW (Class work): It would include attendance, class test/quiz test/assignments, ppt, play, learn by fun activities etc.			

Note: Minor subject can be selected as per the minor subjects given on University website, it must be different from Core subjects. In case of MDC/SEC/AEC/VAC: to be selected from the list of courses given on University website.

Dr. Registrar
Shrikrishna University,
Sikar(Rajasthan)

Curriculum Structure Session (2023-2024 onwards)												
Name of the Program: B.Sc. Certificate Program					Semester: III (Pawas)							
Year: Second		Course Code	Course Title	Contact Hrs per Week	Credits	Weightage (%)						
						CWS	MTE	ETE				
Discipline Specific Core (DSC): (Select any Three subjects)												
Botany												
24BBO6301T		Taxonomy and Economic Botany		3	0	0	3	10	20	70		
24BBO6301P		Botany Practical- III		0	0	2	1	--	--	100		
Zoology												
24BZO6301T		Cell and Molecular Biology		3	0	0	3	10	20	70		
24BZO6301P		Cell and Molecular Biology Laboratory		0	0	2	1	--	--	100		
Chemistry												
24BCH6301T		Chemistry Paper -III		3	0	0	3	10	20	70		
24BCH6301P		Chemistry Practical		0	0	2	1	--	--	100		
Mathematics												
24BMT6301T		Real Analysis And Numerical Analysis - I		3	0	0	3	10	20	70		
24BMT6301P		Practical I Lab Work-Numerical Analysis - I		0	0	2	1	--	--	100		
Physics												
24BPH6301T		Optics		3	0	0	3	10	20	70		
24BPH6301P		Physics Lab		0	0	2	1	--	--	100		
Geography												
24BGS6301T		Human Geography		3	0	0	3	10	20	70		
24BGS6301P		Practical Geography		0	0	2	1	--	--	100		
Physical Education												
24BPE6301T		Anatomy And Physiology Of Exercise		3	0	0	3	10	20	70		
24BPE6301P		Practical		0	0	2	1	--	--	100		
Computer Application												
24BCS6301T		Database Management System		3	0	0	3	10	20	70		
24BCS6301P		DBMS Lab		0	0	2	1	--	--	100		
Economics												
24BES6301T		Macro Economics		4	0	0	4	10	20	70		
Geology												
24BGL6301T		Petrology and Ore Genesis		3	0	0	3	10	20	70		
24BGL6301P		Geology Lab Petrology and Ore Genesis		0	0	2	1	--	--	100		
Discipline Specific Elective (DSE):												
---		---		--	--	--	--	--	--	--		
Minor Subject												
---		---		--	--	--	4	--	--	--		
Multidisciplinary Course (MDC):												
---		---		--	--	--	3	--	--	--		
Ability Enhancement Course (AEC):												
---		---		--	--	--	2	--	--	--		
Skill Enhancement Course (SEC):												
---		---		--	--	--	3	--	--	--		
Value Added Course (VAC):												
---		---		--	--	--	--	--	--	--		
Seminar/Internship/Apprenticeship/Project/Community Outreach (S/I/A/P/C):												

Pawas Semester I

Dr. Registrar
Shri Ramkrishna Mission
University
Dy. Registrar
Shri Ramkrishna Mission
University

Curriculum Structure Session (2023-2024 onwards)									
Name of the Program: B.Sc. Certificate Program				Semester: IV (Vasant)					
Year: Second		Course Title	Contact Hrs per Week	Credits			Weightage (%)		
Course Code	L			T	P	CWS	MTE	ETE	
Discipline Specific Core (DSC): (Select any Three subjects)									
Botany									
24BBO6401T	Plant Physiology and Biochemistry		3	0	0	3	10	20	70
24BBO6401P	Botany Practical- IV		0	0	2	1	--	--	100
Zoology									
24BZO6401T	Mammalian Physiology and Biochemistry		3	0	0	3	10	20	70
24BZO6401P	Mammalian Physiology and Biochemistry Laboratory		0	0	2	1	--	--	100
Chemistry									
24BCH6401T	Chemistry Paper -IV		3	0	0	3	10	20	70
24BCH6401P	Chemistry Practical		0	0	2	1	--	--	100
Mathematics									
24BMT6401T	Differential Equations And Numerical Analysis-II		3	0	0	3	10	20	70
24BMT6401P	Practical I Lab Work-Numerical Analysis-II		0	0	2	1	--	--	100
Physics									
24BPH6401T	Thermodynamics and statistical Physics		3	0	0	3	10	20	70
24BPH6101T	Physics Lab		0	0	2	1	--	--	100
Computer Application									
24BCS6401T	Internet & Web programming		3	0	0	3	10	20	70
24BCS6401P	Internet & Web programming Lab		0	0	2	1	--	--	100
Geography									
24BGS6401T	Economics and Resource Geography		3	0	0	3	10	20	70
24BGS6401P	Practical Geography		0	0	2	1	--	--	100
Physical Education									
	Management And Methods Of Physical Education		3	0	0	3	10	20	70
24BPE6401T									
24BPE6401P	Practical		0	0	2	1	--	--	100
Economics									
24BES6401T	Economy of Rajasthan		4	0	0	4	10	20	70
Geology									
24BGL6401T	Paleontology and Stratigraphy		3	0	0	3	10	20	70
24BGL6401P	Geology Lab Paleontology and Stratigraphy		0	0	2	1	--	--	100
Discipline Specific Elective (DSE):									
---	---		--	--	--	--	--	--	--
Minor Subject									
---	---		--	--	--	2	--	--	--
Multidisciplinary Course (MDC):									
---	---		--	--	--	3	--	--	--
Ability Enhancement Course (AEC):									
---	---		--	--	--	2	--	--	--
Skill Enhancement Course (SEC):									
---	---		--	--	--	3	--	--	--

Pawas Semester I

25

Value Added Course (VAC):									
---		---		--	--	2	--	--	--
Seminar/Internship/Apprenticeship/Project/Community Outreach (S/I/A/P/C):									
---		---		--	--	--	--	--	--
			Total			24			

Summary: I Semester (Pawas)			Credits
S.N.	Particulars		
1.	Discipline Specific Core (DSC):		12
2.	Discipline Specific Elective (DSE):		00
3.	Minor Subject		04
4.	Multidisciplinary Course (MDC):		00
5.	Ability Enhancement Course (AEC):		02
6.	Skill Enhancement Course (SEC):		00
7.	Value Added Course (VAC):		02
8.	Seminar/Internship/Apprenticeship/Project/Community Outreach (S/I/A/P/C):		00
		Total	20
\$CW (Class work): It would include attendance, class test/quiz test/assignments, ppt, play, learn by fun activities etc.			

Note: Minor subject can be selected as per the minor subjects given on University website, it must be different from Core subjects. In case of MDC/SEC/AEC/VAC: to be selected from the list of courses given on University website.


 Dy. Registrar
 Shekrawati University,
 Shekrawasthan)