



Dr Sagar Mal Juniwal's

APEX UNIVERSITY®

JAIPUR



FACULTY OF BASIC LIFE & APPLIED SCIENCES

DEPARTMENT OF LIFE SCIENCES

Teaching Scheme Session 2022 Onwards

Program Name: B.Sc. Life Sciences (Pass Course)

Course: B.Sc. (Chemistry, Botany, Zoology)

YEAR/SEMESTER: I/I

S. No.	Subject Code	Subject Title	Credit
Theory Papers			
1	BS101101	Hindi- MIL-1	4
2	BS101102	English MIL-1	4
3	BS101103	English Communication	2
4	BS101104	Botany-I (Biodiversity-Microbes, Algae, Fungi And Archegoniate)	4
5	BS101105	Zoology-I (Animal Diversity)	4
6	BS101106	Chemistry -I (Conceptual Organic Chemistry)	4
Practical Papers			
1	BS101121	Botany Lab I	2
2	BS101122	Zoology Lab I	2
3	BS101123	Chemistry Lab I	2
4	SODECA	Social Outreach, Discipline & Extra Curricular Activities	1



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YEAR/SEMESTER: I/II

S. No.	Subject Code	Subject Title	Credit
Theory Papers			
1	BS101201	Hindi- MIL - II	4
2	BS101202	English-MIL - II	4
3	BS101203	Environmental Science	2
4	BS101204	Botany-II (Plant Ecology And Taxonomy)	4
5	BS101205	Zoology-II (Comparative Anatomy And Developmental Biology of Vertebrates)	4
6	BS101206	Chemistry-II (Molecules of Life)	4
Practical Papers			
1	BS101221	Botany Lab II	2
2	BS101222	Zoology Lab II	2
3	BS101223	Chemistry Lab II	2
4	SODECA	Social Outreach, Discipline & Extra Curricular Activities	1



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YEAR/SEMESTER: II/III

S. No.	Subject Code	Subject Title	Credit
Theory Papers			
1	BS101301	Botany-III (Plant Anatomy And Embryology)	4
2	BS101302	Zoology-III (Physiology And Biochemistry)	4
3	BS101303.1	Chemistry -III (Chemical Bonding, Transition Metal & Coordination Chemistry)	4
4	BS101304	Computational Skill (LaTeX)	1
5	CA101351	Fundamentals of Computer Application - I	1
6	HA101351	Professional English-I	2
Practical Papers			
1	BS101321	Botany Lab III	2
2	BS101322	Zoology Lab III	2
3	BS101323.1	Chemistry Lab III	2
4	BS101324	Computational Skill Lab (LaTeX)	1
5	CA101371	Fundamentals of Computer Application - I	1
6	SODECA	Social Outreach, Discipline & Extra Curricular Activities	1



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YEAR/SEMESTER: II/IV

S. No.	Subject Code	Subject Title	Credit
Theory Papers			
1	BS101401	Botany-IV (Plant Physiology And Metabolism)	4
2	BS101402	Zoology-IV (Genetics And Evolutionary Biology)	4
3	BS101403.1	Chemistry-IV (Physical Chemistry For The Biosciences)	1
4	BS101404	Botany-(Plant Diversity And Human Welfare)	4
5	CA101451	Fundamentals of Computer Application-II	1
6	HA101451	Professional English-II	2
Practical Papers			
1	BS101421	Botany Lab IV	2
2	BS101422	Zoology Lab IV	2
3	BS101423.1	Chemistry Lab IV	2
4	CA101471	Fundamentals of Computer Application - II	1
5	SODECA	Social Outreach, Discipline & Extra Curricular Activities	1



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YEAR/SEMESTER: III/V

S. No.	Subject Code	Subject Title	Credit
Theory Papers			
1	BS101501	Botany (Cell And Molecular Biology)	4
2	BS101502	Zoology (Applied Zoology)	4
3	BS101503.1	Chemistry (Quantum Chemistry, Spectroscopy & Photochemistry)	4
4	BS101504.1	Chemistry (Basic analytical Chemistry)	2
5	CA101551	Fundamentals of Computer Application-III	1
6	HA101551	Professional English-III	2
Practical Papers			
1	BS101521	Botany Lab V	2
2	BS101522	Zoology Lab V	2
3	BS101523.1	Chemistry Lab V	2
4	CA101571	Fundamentals of Computer Application - III	1
5	SODECA	Social Outreach, Discipline & Extra Curricular Activities	1



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YEAR/SEMESTER: III/VI

S. No.	Subject Code	Subject Title	Credit
		Theory Papers	
1	BS101601	Botany (Economic Botany And Biotechnology)	4
2	BS101602	Zoology (Reproductive Biology)	4
3	BS101603.1	Chemistry (Analytical Methods In Chemistry)	4
4	BS101604	Zoology (Apiculture)	2
5	CA101651	Fundamentals of Computer Application-IV	1
6	HA101651	Professional English-IV	2
Practical Papers			
1	BS101621	Botany Lab VI	2
2	BS101622	Zoology Lab VI	2
3	BS101623.1	Chemistry Lab VI	2
4	CA101671	Fundamentals of Computer Application - IV	1
5	SODECA	Social Outreach, Discipline & Extra Curricular Activities	1