IES UNIVERSITY, BHOPAL

IES Campus Kalkheda, Ratibad Main Road, Bhopal (M.P.) – 462044

NEW SCHEME OF EXAMINATION AS PER NEP 2020 ORDINANCE 14(1) OF M.P. HIGHER EDUCATION

BACHELOR OF SCIENCE (B. SC) CHEMISTRY, BOTANY & ZOOLOGY (I SEMESTER) WITH SINGLE MAJOR FOR THE BATCH ADMITTED 2026

SEMESTER I

S No	Course Code	Subject Name	Course Category	Teaching Hours per Week (L+T +P)	CIE	EE	Total Marks	Credit
1	ZOL123MJ	Animal Diversity I: Lower Non Chordata	MAJOR	5+1+0	30	70	100	6
	CHM124MJ	Basic Physical, Organic & Nuclear Chemistry		5+0+0				5
	BOT125MJ	Fundamentals of Botany						
2	ZOL123MN	Fundamental of Biochemistry	MINOR	3+1+0	30	70	100	4
	CHM124MN	Fundamental Organic Chemistry		3+0+0				3
	BOT125MN	Diversity of Plants						
3	ENG121AEC	English Language & Indian Culture	AEC	2+0+0	30	70	100	2
4	ZOL123MJ[P]	Animal Diversity I: Lower Non Chordata Lab	MAJOR LAB	0+0+2	20	30	50	1
	CHM124MJ[P]	Basic Physical, Organic & Nuclear Chemistry Lab						
	BOT125MJ[P]	Fundamentals of Botany Lab						
5	ZOL123MN[P]	Fundamental of Biochemistry Lab	MINOR LAB	0+0+2	20	30	50	1
	CHM124MN[P]	Fundamental Organic Chemistry Lab						
6	CS121SEC	Information Technology	SEC	3+0+0	30	70	100	3
7	ZOL123GEC	Anthrozoology	GEC	3+0+0	30	70	100	3
	BOT125GEC	Mushroom Production & Marketing						
	CHM124GEC	Chemistry in Every Day Life						
8	BSC121	Project Work	PW/AP/CE	0+0+4	30	70	100	2
Total					220	480	700	20

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BACHELOR OF SCIENCE (B. SC) CHEMISTRY, BOTANY & ZOOLOGY (II SEMESTER) WITH SINGLE MAJOR FOR THE BATCH ADMITTED 2026

SEMESTER II

S No	Course Code	Subject Name	Course Category	Teaching Hours per Week (L+T +P)	CIE	EE	Total Marks	Credit
1	ZOL223.1MJ	Animal Diversity II: Higher Nonchordata	MAJOR	5+1+0	30	70	100	6
	CHM224.1MJ	Fundamentals of Inorganic Chemistry		5+0+0				5
	BOT225.1MJ	Applied Botany						
2	ZOL223.1MJ	Animal Diversity II: Higher Nonchordata	MAJOR	5+1+0	30	70	100	6
	CHM224.1MJ	Fundamentals of Inorganic Chemistry		5+0+0				5
	BOT225.1MJ	Applied Botany						
3	ZOL223MN	Ecology & Environmental Conservation	MINOR	3+1+0	30	70	100	4
	CHM224MN	Applied Chemistry		3+0+0				3
	BOT225MN	Elementary Botany		3+0+0				3
4	HIN221AEC	Hindi language & Indian Culture	AEC	2+0+0	30	70	100	2
5	ZOL223.1MJ[P]	Animal Diversity II: Higher Nonchordata Lab	MAJOR LAB					
	CHM224.1MJ[P]	Fundamentals of Inorganic Chemistry Lab		0+0+2	20	30	50	1
	BOT225.1MJ[P]	Applied Botany Lab						
6	ZOL223.1MJ[P]	Animal Diversity II: Higher Nonchordata Lab	MAJOR LAB					
	CHM224.1MJ[P]	Fundamentals of Inorganic Chemistry Lab		0+0+2	20	30	50	1
	BOT225.1MJ[P]	Applied Botany Lab						
7	CHM224MN[P]	Applied Chemistry Lab	MINOR LAB	0+0+2	20	30	50	1
	BOT225MN[P]	Elementary Botany Lab						
8	BSC221	Understanding India	VAC	2+0+0	30	70	100	2
Total					210	440	650	20

NOTE: EXIT OPTION AFTER TWO SEMESTER WITH CERTIFICATE IN SCIENCE OF NCRF LEVEL 4.5 AFTER EARNING 41 CREDITS AWITH AN ADDITIONAL INTERNSHIP OF 4 CREDITS.

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NEW SCHEME OF EXAMINATION AS PER NEP 2020 ORDINANCE 14(1) OF M.P. HIGHER EDUCATION

BACHELOR OF SCIENCE (B. SC) CHEMISTRY, BOTANY & ZOOLOGY (I SEMESTER) WITH DOUBLE MAJOR FOR THE BATCH ADMITTED 2026

SEMESTER I

S No	Course Code	Subject Name	Course Category	Teaching Hours per Week (L+T +P)	CIE	EE	Total Marks	Credit
1	ZOL123MJ	Animal Diversity I: Lower Non Chordata	MAJOR	5+1+0	30	70	100	6
	CHM124MJ	Basic Physical, Organic & Nuclear Chemistry		5+0+0				5
	BOT125MJ	Fundamentals of Botany						
2	ZOL123MN	Fundamental of Biochemistry	MINOR	3+1+0	30	70	100	4
	CHM124MN	Fundamental Organic Chemistry		3+0+0				3
	BOT125MN	Diversity of Plants						
3	ENG121AEC	English Language & Indian Culture	AEC	2+0+0	30	70	100	2
4	ZOL123MJ[P]	Animal Diversity I: Lower Non Chordata Lab	MAJOR LAB	0+0+2	20	30	50	1
	CHM124MJ[P]	Basic Physical, Organic & Nuclear Chemistry Lab						
	BOT125MJ[P]	Fundamentals of Botany Lab						
5	ZOL123MN[P]	Fundamental of Biochemistry Lab	MINOR LAB	0+0+2	20	30	50	1
	CHM124MN[P]	Fundamental Organic Chemistry Lab						
6	CS121SEC	Information Technology	SEC	3+0+0	30	70	100	3
7	ZOL123GEC	Anthrozoology	GEC	3+0+0	30	70	100	3
	BOT125GEC	Mushroom Production & Marketing						
	CHM124GEC	Chemistry in Every Day Life						
8	BSC121	Project Work	PW/AP/CE	0+0+4	30	70	100	2
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BACHELOR OF SCIENCE (B. SC) CHEMISTRY, BOTANY & ZOOLOGY (II SEMESTER) WITH DOUBLE MAJOR FOR THE BATCH ADMITTED 2026

SEMESTER II

S No	Course Code	Subject Name	Course Category	Teaching Hours per Week (L+T +P)	CIE	EE	Total Marks	Credit
1	ZOL223.1MJ	Animal Diversity II: Higher Nonchordata	MAJOR	5+1+0	30	70	100	6
	CHM224.1MJ	Fundamentals of Inorganic Chemistry		5+0+0				5
	BOT225.1MJ	Applied Botany						
2	ZOL223.1MJ	Animal Diversity II: Higher Nonchordata	MAJOR	5+1+0	30	70	100	6
	CHM224.1MJ	Fundamentals of Inorganic Chemistry		5+0+0				5
	BOT225.1MJ	Applied Botany						
3	ZOL223MN	Ecology & Environmental Conservation	MINOR	3+1+0	30	70	100	4
	CHM224MN	Applied Chemistry		3+0+0				3
	BOT225MN	Elementary Botany		3+0+0				3
4	HIN221AEC	Hindi language & Indian Culture	AEC	2+0+0	30	70	100	2
5	ZOL223.1MJ[P]	Animal Diversity II: Higher Nonchordata Lab	MAJOR LAB					
	CHM224.1MJ[P]	Fundamentals of Inorganic Chemistry Lab		0+0+2	20	30	50	1
	BOT225.1MJ[P]	Applied Botany Lab						
6	ZOL223.1MJ[P]	Animal Diversity II: Higher Nonchordata Lab	MAJOR LAB					
	CHM224.1MJ[P]	Fundamentals of Inorganic Chemistry Lab		0+0+2	20	30	50	1
	BOT225.1MJ[P]	Applied Botany Lab						
7	CHM224MN[P]	Applied Chemistry Lab	MINOR LAB	0+0+2	20	30	50	1
	BOT225MN[P]	Elementary Botany Lab						
8	BSC221	Understanding India	VAC	2+0+0	30	70	100	2
Total					210	440	650	20

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