

M.Sc. Botany II nd Semester Practical

Paper No.	I	Based on course	I & II
Paper No.	II	Based on course	III & IV
Paper No.	III	"	V & VII
Paper No.	IV	"	VI & VIII
Paper No.	V	"	IX & X

M. Sc. [Botany] Part II [Theory & Practical]

<u>Semester- III</u>		Marks	
		T.	P.
Course XI	Plants development	40	-
Course XII	Plants Reproduction	40	-
Course XIII	Plants Ecology I	40	-
Course XIV	Plants Ecology II	40	-
Course XV	Seed pathology	40	-
TOTAL		200	200

M.Sc. Botany part II Theory Practical (Semester IV)

		Marks	
		T.	P.
Course XVI	Plants Resource Utilization	40	40
Course XVII	Biotechnology I OR (Plant cell, tissue & Organ culture)	40	40
Course XVIII	Biotechnology & Genetic Engineering II OR (Genetic Engineering of Plants & Microbes)	40	40
Course XIX	Plant resource conservation	40	40
Course XX	Seed technology	40	40
TOTAL		200	200

M.Sc. Botany IV the Semester Practical

Paper No.	VI	Based on course	XI & XII
Paper No.	VII	Based on course	XIII & XIV
Paper No.	VIII	"	XVI & XX
Paper No.	IX	"	XVII & XVIII
Paper No.	X	"	XV & XIX

M. Sc. Zoology - Part - I (Semester - I)

Semester Paper code	Paper title	Max Marks
Z00101	Biosystematics and Taxonomy	50
Z0102	Quantitative Biology	50
Z00103	General & Comparative Endocrinology	50
Z00104	Molecular cell Biology	50
Z00105	Lab. course based upon Z00101 to Z00104 -	100
		Total 300

M.Sc. Zoology part I (semester- II)

Z00201	Population Genetics & Evolution	50
Z00202	Gamete Biology	50
Z00203	Techniques and Tools for Biology	50
Z00204	Environmental Physiology	50
Z00205	Lab. course based upon Z00201toZ00204	100
		Total 300

M. Sc. Zoology Part - II (Semester- III)

Z00301A	Structure and Function of Invertebrates	50
Z00302A	Comparative Anatomy of vertebrates	50
Z00303A	Population Ecology	50
Z00304A	Animal Behaviour	50
Z00305A	Lab. course based on Z00301 to Z00304	100
	TOTAL	300

M. Sc. Zoology part - II (Semester- IV)

Z00401A-1	Protozoology	50
Z00402A-1	Helminthology	50
Z00403A-1	Insect Physiology	50
Z00404A-1	Aquaculture and Fisheries	50
Z00405A-1	Lab. course based on Z00402 to Z00405	100
	TOTAL	300

M.Sc. Comp. Sci. Part I (Sem. - I) Marks 600		M.Sc. Comp. Sci. Part I (Sem. - II) Marks 600	
1	Object Oriented Programming in C++	7	Data structure and Analysis of Algorithm
2	Computer System Archicture	8	Advance/ Software Engineering & tools
3	Operating System	9	Computer based Numerical Teachique and Discrete Mathematical Structure
4	Data base management System	10	Microprocesion and Interfacing
5	Pratical 1: Programming in C++	11	Practical 3 Data Structure and S/W Engineering
6	Pratical 2: O.S. & DBMS (using UNIX/ Software/UMX Platform	12	Practical 4:up & N-Tech and DMS
M.Sc. Comp. Sci. Part II (Sem. -III) Marks 600		M.Sc. Comp. Sci. Part II (Sem. IV) Marks 600	
13	Programing in Java	19	Artificial Inteilligence
14	Object oriented Analysis and Design using UML	20	Compiler Design
15	Computer Graphics	21	INternet compting using ASP,NET
16	Elective - 1	22	Elective 2 :
	1 Digital Image processing	1	I Biometric
	2 Patterm Recognition.	2	Bioinformatiocs.
	3 Digital Signal Processing.	3	Netural Network
17	Practical 5: based on theory paper XII&XIV	23	Major Project
18	Practical 6: based on theory paper XV&XVI	24	Seminar.

M. Sc. [Microbiology] part I Semester- I)			Marks
Paper No.	Title of the Paper Theory	Theory	Practicals
P- I	Biostatistics and Computer Application and Research methodology	50	25
P-II	Bioenergetics and Molecular Enzymology	50	25
P-III	Bioinstrumentation Techniques and Application	50	25
P-IV	IndustrialFood and Dairy Microbiolgy	50	25
M.Sc. Microbiology part I (Semester-II)			
P-V	Recent trends in Virology	50	25
P-VI	Molecular Immunology	50	25
P-VII	Microbial Physiology	50	25
P-VIII	Microbial diversity and Extremophiels	50	25

M.Sc. (Microbiology) part - II Semester-III)

P - IX	Enzyme Technology	50	25
P-X	Bioprocess Engineering and Tecnology	50	25
P-XI	Microbial Genctices	50	25
Th-XII	Environmental Microbial Technology	50	25

M.Sc. (Microbiology) part - II Semester-IV)

P-XIII RecombinantDNA Technology	50	25
P-XIV Fermentation Technology	50	25
P-XV Bioinformatics, Microbial	50	25
Genomics and Protcomics		
P-XVI Pharmaceutical Microbiology	50	25

M. Com. Part - I

Ist Semester	IInd Semester
1) Management Proccess and organisational Behaviar	1) Advanced cost accounting
2) Managerial Economics	2) Marketing management
3) Stastical Analysis	3) Financial management
4) Corporate Financial Accounting	4) Strategic management

M. Com. Part - II

IIIrd Semester	IVth Semester
1) Research methodology	1) Quantitative Techniques
2) Human Resource plnning and Development	2) Security Analysis
3) Business Ligistations	3) Research Project
4) International manceting	4) Advertising

નોટ - પદવ્યુત્તર વર્ગ કાયમ વિનાઅનુદાન તત્ત્વાબ્દ અસલ્યાને યા વર્ગાના પ્રવેશ ઘેણાન્યા વિદ્યાર્થીના નિર્ધારિત પૂર્ણ ફીસ ભરાવી લાગેલ.