



Gondwana University, Gadchiroli
NEP 2020 U.G. PROGRAMME SESSION 2024-25
Faculty of Science and Technology
Programme Name - B.Sc.Sem-I (Level – 4.5)

Revised Examination Scheme & Basket

Sr. No.	Course Category	Subject name		Total Credit	Teaching Scheme (Hrs)			Examination Scheme								Total Marks	
					Theory	Practical	Total Hrs.	Theory					Practical				
								UA	CA	Total Mark	Min. Passing	Duration of Exam (Hrs.)	UA	CA	Total Mark		Min. Passing
1	Core Subject-I	Select any Two core group subject from Annexure-I	i) Subject- I	02	02	--	02	40	10	50	20	02					50
			ii) Subject- II	02	02	--	02	40	10	50	20	02					50
			iii) Practical Based on subject - I	02	--	04	04	--	--	--	--	--	30	20	50	25	50
			iv) Practical Based on subject - II	02	--	04	04	--	--	--	--	--	30	20	50	25	50
2	OE	Group-A (Any one from Annexure-II)		02	02	--	02	40	10	50	20	02	--	--	--	--	50
3	VSC	Advanced Laboratory Practical based on core group subject-I, including hands on training, wherever applicable (Annexure- III)		02	--	04	04	--	--	--	--	--	30	20	50	25	50
4	SEC	Skill based course (Any one from Annexure-IV)		02	02	--	02	40	10	50	20	02	--	--	-	-	50
5	VEC	Audit course(Any one from Annexure-V)		02	02	--	02	--	50	50	20	--	--	--	--	--	50
6	AEC	English/Marathi/Hindi/Bengali/Pali/Supplementary English, Annexure-VI		02	02	--	02	40	10	50	20	02	--	--	--	--	50
7	IKS	Generic IKS		02	02	--	02	40	10	50	20	02	--	--	--	--	50
8	CC	NCC/NSS/Yoga/Sports(Any one)		02	--	04	04	--	--	--	--	--	--	50	50	25	50
Total				22	14	16	30	240	110	350	140	12	90	110	200	100	550

Note(s):

- As per open elective (OE) is concerned, students shall opt any one subject from Group-A to be Chosen Compulsory from Faculty other than that of the core subject
- Generic IKS will be common for all Faculties in the first Semester as per Government letter No. क्र.एनईपी.२०२२/प्र.क्र.०९/विशि-३(शिकाना)दिनांक२५जानेवारी, २०२४.

B.Sc. SEMESTER I**ANNEXURE-I****LIST OF CORE SUBJECTS**

Sr No	Name of Faculty	Core Group Subjects	Name of Papers
1	Faculty of Science and Technology	Computer Science	Programming Logic and Technique
2		Environmental Science	Introduction to Environmental Science
3		Chemistry	Basic Inorganic Chemistry
4		Mathematics	Differential Calculus
5		Microbiology	General Microbiology and Microbial Technique
6		Botany	History and Development Botany
7		Electronics	Semiconductor devices and circuits
8		Biochemistry	Human Physiology
9		Geology	General Geology and Mineralogy
10		Biotechnology	Cell Biology
11		Zoology	Life and diversity of animals non Chordate(Protozoa to Ammelida)
12		Physics	Mechanics
13		Home Science	Fundamentals of Food Science and Nutrition OR Fundamentals of Home Science Extension

B. Sc. SEMESTER - I

ANNEXURE-II

LIST OF OPEN ELECTIVES GROUP - A

Sr No	Name of Faculty	Core Group Subjects	Name of Papers	
1	Faculty of Science and Technology	Computer Science	Fundamentals of Computer	Foundation of Computing
			MS Word	Google Doc
2		Environmental Science	Environment and Society	Gender and Environment
			Environmental Studies	Socioeconomic Elements of the Environment
3		Chemistry	Chemistry in daily life	Introduction to basic Chemistry
			Daily life Chemistry 2	Environmental Chemistry-I
4		Mathematics	Quantitative Aptitude-I	Logical Reasoning
5		Microbiology	Development of Microbiology	Microbial world and Diversity
			Bacteriology and Virology	Microbial products – Bio fertilizers and Bio pesticide
6		Botany	Bamboo Cultivation	Organic Farming
			Minor Forest Produce	Tendu Cultivation
7		Electronics	Electronics component and Instrument	Troubleshooting of Electronics Gadgets
8		Biochemistry	Chemical Basis of life	Blood and Blood disorders
9		Geology	Industrial application of Rocks	Fundamentals of Topographic Maps
10	Biotechnology	Biotechnology for human Welfare		
11	Zoology	Vermicomposting	Poultry	
12	Physics	Physics in Every Day life: Measurements and Application	Physics and Society	
		Introduction to Astronomy	Physics and Music	
13	Home Science	Basic Chemistry	Housing and Home Furnishing	
14	Language in Science	Foundation course in Communicative English	Foundation course in content writing	
15	Faculty of Humanities	Political Science	Rural Development	Human rights
16		Home Economics	Event Management	Gender Education
			Human and Non Human Resources	Self Employment
17		Geography	A Geography of Tourism	Physical Geography-I
18		Sociology	Sociology of social welfare-I	Sociology of Environment and Society
19		Economics	Introductory Economics-I	Agriculture Economics-I
			Indian Economic Policy- I	Economy of Maharashtra- I
20		Hindi	प्रशासनिक और व्यावसायिक पत्र लेखन, भाग -1	हिन्दी साहित्य का इतिहास आदिकाल- भाग-1

21		Marathi	मराठी साहित्य:नाटक अभ्यासपुस्तक : तुझे आहे तुजपाशी- पु. ल. देशपांडे	प्रवासवर्णन : सर्जनात्मक लेखन आणि वाचन	
22		English	Foundation course in communicative English	Foundation course in Content Writing	
23		History	Political history of Ancient India	Idea of Bharat	
24		Ambedkar Thought	Dr Ambedkar on social integration	Dr Ambedkar on state reorganisation on Pakistan	
25		Pali Language	व्यवहारीक पालि	विनय पित्तक परिचय	
			मज्झिमनिकाय परिचय		
26		Fashion Designing	Introduction of sewing Machine	Shaping devices	
			Yarn and Fabric		
27		Psychology	Biological Psychology –I	Developmental Psychology-I	
			Organizational Psychology- I	Consumer and Advertisement Psychology-I	
28		Public Administration	Good Governance	Tribal development	
29		Indian Music	Critical studies of Ragas Talas-I	Introduction on to Indian Music	
30		Military Science	India’s Internal Security-I	War after Independence in India	
31		NCC	Indian Armed Forces	Challenges of Internal security of India	
32	Faculty of Commerce and Management	Commerce	Digital Marketing -I	Stock Marketing –I	
33				Labour Economics-I	Basics of Bankin
				Corporate Communication-I	
34		Language in Commerce	Foundation course in Communicative English	Foundation course in content writing	

Note :- Only one, 2 credits subject other than faculty of the core subject to be chosen amongst above

Open Elective Group - A mentioned in the above Annexure - II

B. Sc. SEMESTER - I**ANNEXURE- III****LIST OF SUBJECT FOR VOCATIONAL SKILL COURSES BASED ON CORE SUBJECT - I (VSC)**

Sr No	Name of Faculty	Core Group Subjects	Name of Papers
1	Faculty of Science and Technology	Computer Science	Google Tools
2		Environmental Science	Water Sampling and analysis
3		Chemistry	Inorganic practical skills - I
4		Mathematics	Computational Mathematics Laboratory
5		Microbiology	Laboratory Techniques in Microbiology
6		Botany	Practical Based on core subject
7		Electronics	Semiconductor devises Laboratory
8		Biochemistry	Medical Laboratory Technique
9		Geology	Megascopic Identification of Minerals
10		Biotechnology	Mushroom Cultivation
11		Zoology	Advanced Lab Technique
12		Physics	Mechanical Measurement Techniques OR Advance Instrumentation and Measurement Technique
13		Home Science	Practical Skill Related to Home Science

Note :- 2 credits Practical / Vocational Course given against core subject is mandatory as mentioned in the above Annexure - III

B. Sc. SEMESTER - I

ANNEXURE-IV

LIST OF SUBJECT FOR SKILL ENHANCEMENT COURSE (SEC)

Sr No	Name of Faculty	Core Group Subjects	Name of Papers
1	Faculty of Science and Technology	Computer Science	Information Communication Technology
2		Environmental Science	Environmental studies
3		Chemistry	Water Treatment-I
4		Mathematics	Probability
5		Microbiology	Instrumentation in microbiology
6		Botany	Mushroom cultivation
7		Electronics	E-waste Management
8		Biochemistry	Basic laboratory skill in Biochemistry
9		Geology	Basic industrial mineralogy
10		Biotechnology	Biotechnological skills and analytical techniques
11		Zoology	Clinical instrumentation techniques
12		Physics	Physics workshop skills OR Laboratory and Technique
13		Home Science	Extension Learning OR Food Adulteration OR Dyeing & Printing
14	Faculty of Humanities	Political Science	Maharashtra gram panchayat code
15		Home Economics	Value, goals and standards
16		Geography	Disaster management
17		Sociology	Social survey
18		Economics	Banking system-I
19		Hindi	व्यावसायिक पत्र लेखन
20		Marathi	व्यक्तीमत्व विकास आणि भाषा
21		English	Functional English-I
22		History	Archives in India
23		Ambedkar Thought	Development of Constitution of India
24		Pali	भारतीय पालि साहित्य व परराष्ट्रीय पालि साहित्य सहसंबंध
25		Fashion Designing	Art in Craft
26		Psychology	Soft skills development-I
27		Public Administration	Communication Skills
28		Indian Music	Critical Studies of Ragas and Talas
29		Military Science	Road Safety and Traffic Management-I
30		NCC	Personality Development
31	Faculty of Commerce and Management	Commerce	Business Economics - I
32			Marketing Management - I
33			Human Resource Management - I
34			Information & Communication Technology - I
35			Principle of Management -I

Note :- Only one, 2 credits SEC to be chosen from the above Annexure –IV

B. Sc. SEMESTER - I

ANNEXURE- V

LIST OF SUBJECT FOR VALUE ADDED COURSES (VEC)

Sr. No.	Name of subject
1	I.P.R.(Intellectual Property Rights)
2	Environmental studies
3	Constitution of India
4	Indian Democracy, Election and Good Governance
5	D.P.R. Writing

Note :- Only one, 2 credits VEC to be chosen from the above Annexure - V

B. Sc. SEMESTER - I

ANNEXURE- VI

LIST OF ABILITY ENHANCEMENT COURSE (AEC)

Sr. No.	Name of subject
1.	English / Supplementary English
2.	Marathi OR Hindi OR Pali OR Bengali

Note :- 1) Student shall opt English OR Supplementary English in Semester –I and any one from Marathi, Hindi, Pali and Bengali in Semester- II and Vice a Versa.

