

Nevjabai Bhaiya Hitkarini Education Society's **Nevjabai Hitkarini College, Bramhapuri** Dist. Chandrapur, (M.S.)-441206 Affiliated to Gondwana University, Gadchiroli Re-Accredited By NAAC B++ (2.87 CGPA)

Annual Quality Assurance Report AQAR: 2023-24

CRITERIA - I CURRICULAR ASPECTS

Metric Number: 1.3.2.

<u>Metric Name</u>: Number of courses that include experiential learning through project work/field work/internship during the year

> Principal Nevjabai Hitkarini College Bramhapuri



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DIRECTION NO. 16 of 2017.

EXAMINATION LEADING TO AWARD OF THE THREE YEARS BACHELOR OF COMMERCE (B.COM.) (SIX SEMESTER DEGREE COURSE) BASED ON CHOICE BASED CREDIT SYSTEM IN THE FACULTY OF COMMERCE AND MANAGEMENT, DIRECTION, 2017.

(Issued under Provision of Section 12(8) of the Maharashtra Public Universities Act, 2016.)

Whereas, The Maharashtra Public Universities Act, 2016 has come into force with effect from 1st March 2017(Maharashtra Act No. VI of 2017)(hereinafter referred to as the Act);

AND

Whereas, the above mentioned Act is applicable to the Gondwana University, Gadchiroli from 1stMarch, 2017;

AND

Whereas, the chairman, U.G.C. New Delhi has directed the Vice-Chancellor of the university to initiate steps for successful implementation of the choice based credit system(CBCS) from the Academic Session 2015-16 vide letter D.O.No.F-1-1/2015(CM) dated 8/01/2015;

AND

Whereas, the U.G.C. has formulated and issued guidelines on adoption of choice based credit system in all the universities;

AND

Whereas, the Vice-Chancellor has directed, on the basis of the resolution of the authorities of the university, to formulate and introduce choice based credit system at U.G. and P.G. level programme in all the faculties in the university;

AND

Whereas, the matter to introduce choice based credit system is required to be regulated by an ordinance to be made in this behalf;

AND

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GONDAWANA UNIVERSITY, GADCHIROLI

Appendix - VI

BACHELOR OF

COMMERCE (THREE YEARS UG COURSE IN FACULTY OF COMMERCE AND MANAGEMENT) COURSE AND EXAMINATION SCHEME WITH CHOICE BASED CREDIT SYTSEM

(Semester - VI)

Sr. No.	Area	Unique Subject Code	Subject	Со				of (Maximum N redit			Examination Scheme (Maximum Marks)			tion Sch um Mar	
				L	T	P		ESE	IA	Proj ect	Total	ESE	IA	Р	Total
01	SEC - IV (Foundation Course)	UCA6F01	Corporate Law	4	•	-	4	80	20	•	100	4	0	•	40
02	Generic Elective- III	UCA6E02	Indian Economics (Rural)	4	•	•	4	80	20	-	100	40		•	40
03	Core (Core Course)	UCA6C03	Business Communication Paper-II	4	•	•	3	60	15	•	75	30		- 30	
	(cont course)	UCA6C04	Advanced Accounting Paper-II	5	-	•	3	60	15	•	75	30 ·	·	30	
		UCA6C05	Income Tax	5	•	•	4	80	20	•	100	4	0	-	40
04	DSE	UCA6EM6	Group -A Marketing Management (Service Marketing)	4	•	-	4	40	10	50	100	2	0	20	40
		UCA6EH6	Group- B Human Resource Development (Labor Law)	4	-	•	4	40	10	50	100	2	0	20	40
		UCA6EB6	Group -C Banking and Insurance (Recent Trends in Banking and Insurance Paper-II)	4	-	-	4	40	10	50	100	2	0	20	40
		UCA6El6	Group -D Information Technology (Software Product And Project Management)	4	-	4/ Batch	4	40	10	50	100	2	20	20	40

Compulsory Project in final Semester: - In final semester project is to be submitted for DSE subject. For IT related DSE the project team can be constituted of maximum five students per team. However, for other DSEs, the project team can be constituted of maximum ten students per team.

GONDWANA UNIVERSITY, GADCHIROLI

Choice Based Credit System

Syllabus for B. A. Semester- V & VI-Generic (Interdisciplinary) Elective Course (GEC)-**General Research Methodology**

Session- 2019-20 & Onwards

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Athane 12000 Example Star St. J. J. M. Kaledy

(xii) Project: Having studied core foundation, ability ebhancement, skill enhancement, discipline specific and generic elective courses upto the end of V semester, the enrolled student is expected to undertake Project' as a special course at VI Semester level involing application of

knowledge in sloving/analyzing/exploring a real-life situation or a difficult problem. The Head of the department of the concerned program shall from group of 4-6 students and assign a project guide/supervisor from amongst existing teachers who in turn will monitor the progress of project work by the so formed group of

students. At the end of the course of study i.e. given semester, the project report of the study undertaken(either hard or spiral bind) should be submitted being certified by the guide/supervisor and duly by the Head of the Department and Principal of the college. This Component shall be evaluated only on internal basic at the institute/college level for 100 marks having a total of 4 credits. Minimum pass marks shall be 40 only.

Minimum pass marks sharbe to only (xiii) Marking scheme as function of assigned credits to each head of passing viz courses for all the semesters of the given program is as shown in Table 2.0

TABLE 2.0 : COURSE STRUCTURE WISE MARKING SCHEME FOR B.A. UG LEVEL BACHELORS' DEGREE PROGRAM

	B	A. UG LEV	EL DITOLL		Third	Year	
			Secon	d Year	First	Second	(Credit
Type of	First	Second	First	Second	Semester	Semester	Value)
Courses	First		Semester	Semester	Semester		
(No. of	Semester	Semester					1200
Courses x No							
of Credits		300	300				
Core	300	(100 X 3)	(100 X 3) DS1,DS2,DS				
discipline	(100 X 3) DS1,DS2,DS3	DC2	DS1,D52,D2				
Specific	DS1,002,004	al Sulaj	erts)				100
course(CDSC)	CORMON	al sway	C. C. M.				
(12 x 4)	Cert	50					
Foundation	50 (50 X 1)	(50 X 1)					800
Course(FC)		Dernoez	200	200			
(2x2)	EVS	200	200 (100 X 2)	(100 X 2)			
Ability	200 (100 X 2)	(100 X 2)					
Enhancement	(100 x 2)		- 1 %				
Compulsory	CL	mguage	3)		200	200	400
Course(AECC)			1	1	(100 X 2)	(100 X 2)	
(8 x 4)			L	(Letter	(200		
Skill			(Letter	grade	commun Large	fative	
Enhancement		1 d 1	grade	zero-	000		
Course(SEC)			zero-	credit	Inne	agel.	
(4 x 4) (Non-			credit	0.00	000-5	-	
academic							
zero-							
credit/Acade							
mic)							

Project work to students

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GONDWANA UNIVERSITYGADCHIROLISYLLABUS

For

B. Sc.

BOTANY

SEMESTER III & IV

Under

Choice Based Credit System

(CBCS)

(With effect from: 2018-19)

B.Sc. BOTANY SEMESTER – III PRACTICAL Based on Theory Paper - I & II of Semester – III	
[Time 5 Hours]	[Max. Marks – 30]
Que. 1: One experiment [A] from Reproductive Biology of Angiosperms	05 Marks
Que. 2: One experiment [B] from Plant Growth and Development	05 Marks
Que. 3: One experiment [C] from Plant Biochemistry	05 Marks
Que. 4: One experiment[D]from Plant Physiology	05 Marks
Que. 5: Identify and comment on given spots:	04 Marks
SPOT-E: (Reproductive Biology of Angiosperms)	
SPOT-F: (Plant Growth and Development)	
SPOT-G: (Plant Biochemistry)	
SPOT-H: (Plant Physiology)	

NOTE: Well labeled diagrams are expected wherever necessary.

Botany Practicals

SEMESTER - IV

Laboratory Exercises:

Make use of the permanent micro-preparation, temporary mounts, transparencies, photographs, charts etc.

Cell Biology, Genetics and Biotechnology Experiments: (Any five)

- 1. Examination of various stages of mitosis and meiosis using appropriate plant material(i.e. Onion root tips and flower buds respectively.
- 2. Study of cytoplasmic organelles.
- 3. Working out of Laws of inheritance using dry seeds / plastic beads by applying Chisquare(χ 2) test.
- 4. To get acquainted with the Laboratory organization.
- 5. To get acquainted with tools of genetic engineering, laboratory equipments, apparatusand instruments in biotechnology laboratory.
- 6. To study the different methods of sterilization.
- 7. Media preparation required for culture.
- 8. To study the structure of following vectors on the basis of photographs and diagrams: Plasmid, Bacteriophage and *Agrobacterium*.
- 9. To demonstrate the technique of micropropogation by using different explants 10. To demonstrate the technique of anther culture.
- 11. To isolate protoplast from different tissues using commercially available enzymes.

(NOTE:1. Frequent Industrial/ Laboratory visits are necessary. 2. Submit Industrial/ Laboratory visit report duly signed by HOD).

Ecology Experiments : (Note: Any Ten experiments; Experiment No. 01 is compulsory)

B.Sc. BOTANY SEMESTER – IV

PRACTICAL

Based on Theory Paper - I & II of Semester - IV

[Time 5 Hours]	[Max. Marks – 30]
Que. 1: One experiment [A] from Cell Biology mitosis/meiosis	04 Marks
Que. 2: One experiment [B] from Genetics	04 Marks
Que. 3: One experiment [C] from Plant Biotechnology	04 Marks
Que. 4: One experiment[D]from Plant Ecology Exp-I	04 Marks
Que. 5: One experiment [E] from Plant Ecology (other ecology experiment	ts) 04 Marks
Que. 5: Identify and comment on given spots:	04 Marks
SPOT-F: (Cell Biology)– Cell organelles	
SPOT-H: (Plant Ecology)- Morphology	
SPOT-I: (Plant Ecology) - Anatomy	

Que. 6: Practical Record (2 Marks) Excursion Report (2 Marks) Viva-voce (2 Marks) 06

MarksNOTE: Well labeled diagrams are expected wherever necessary.

GONDWANA UNIVERSITY, GADCHIROLI CHOICE BASED CREDIT SYSTEM (CBCS) SYLLABUS PROGRAMME- BACHELOR OF SCIENCE (B.Sc.), SEMESTER - IV SUBJECT- ZOOLOGY, PRACTICAL (CREDITS 2) CORE COURSE-VII & VIII

USZOP04

PRACTICAL

B.Sc. II (Zoology), Semester-IV

DEVELOPMENTAL BIOLOGY & PHYSIOLOGY AND BIOCHEMISTRY-II

Section A: Developmental Biology

Study of the following slides-

- 1. Frog embryology: T.S. of Tadpole through internal and external gills, V.S. of Blastula, Gastrula and Neurula,
- 2. Study of permanent slide of Chick embryology : Whole mount of 18 hrs, 24 hrs, 30 hrs, 36 hrs and 72 hrs.

Section B: Physiology experiment

- 1. Detection of urea, albumin, sugar and creatin in urine
- 2. Sperm count of any domestic animal (Source of semen: Government artificial insemination centre).
- Study of histological slides of Mammal– T.S. of Kidney, Pituitary, Thyroid and Adrenal glands, Testis, Ovary, Uterus, Placenta, Medulated and Non medulated nerve fibres, Smooth and Striated muscle, Spinal cord.

Section C: Biochemistry experiment

- 1. Preparation of haemin and haemochromogen crystal
- 2. Quantitative estimation of amino acids using ninhydrin reaction
- 3. Estimation of glycin by Sorenson formal titration

Section D : Permanent stained micro preparation

¹. Examination of gametes of Frog – Sperm and Ova through permanent slide or microphotograph

Section E : Submission of slides and study tour report

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practical Question Paper and Distribution of Marks

Pra	actical - Distribution of Marks Total marks – 30 (Time – 4 hours dur	ation)
1.	Physiology experiment	05
	Identification and comments on spots	10
	(Mammalian histology-3, Frog embryology-1 and Chick embryology-1 spots)	
3.	Biochemistry experiment	05
4.	Submission of slides or microphotograph and study tour report	02
5.	Submission of certified practical record	03
6.	Viva- voce	05

GONDWANA UNIVERSITY, GADCHIROLI CHOICE BASED CREDIT SYSTEM (CBCS) SYLLABUS PROGRAMME- BACHELOR OF SCIENCE (B.Sc.), SEMESTER-IV SUBJECT- ZOOLOGY – THEORY INTERNAL ASSESSMENT

Theory Internal Assessment (Paper I and Paper II) – 20 Marks(Assignment, class test, curricular and co-curricular activities, seminar, field work, tour etc.)

Format for the theory internal assessment

Sr.No	Evaluation type	Marks	Marks	
		P-I	P-II	
01	One assignment	2	2	_
02	One class test	5	5	
03	Active participation in routine class activities / seminars etc.	3	3	

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GONDWANA UNIVERSITY, GADCHIROLI.

Ordinance No. 58 of 2017

Incorporating a Compulsory Course on Environmental Studies in the Under Graduate Courses offered under all the Faculties, ordinance, 2017.

Whereas, it is expedient to provide an ordinance in respect of Incorporating a Compulsory Course on Environmental Studies in the Under Graduate Courses offered under all the Faculties, for the purposes hereinafter appearing, the Management council is hereby pleased to make the following ordinance :

- 1. This ordinance may be called "Incorporating a Compulsory Course on Environmental Studies in the Under Graduate Courses offered under all the Faculties, ordinance, 2017".
- 2. This ordinance shall come into force with effect from the date of its making by the Management council.
- **3.** This course will be referred to as compulsory course of Six months duration in Environmental Studies at the under-graduate level of all streams and faculties of higher education under this University and will be taught in second year with course of study and can be cleared in the third year with course of study in case the student/s remain absent on the scheduled day of the examination or fails to pass the course in its first attempt.
- 4. However excepting the Faculty of Engineering and Technology wherein the aforesaid course shall be taken up during First Year of course of study and that it can be cleared in the second year of course of study in case the student/s remain absent on the scheduled day of the examination or fails to pass the course in its first attempt. student taking direct admission to the second year B.E. course shall be exempted from the fees for the course of environmental studies.
- 5. Provision of this ordinance will not be applicable to those courses in which the subject on EnvironmentalScienceshas been incorporated as subject of study and examinations such as B.Sc. (Environmental Science) and all other similar cases at the U.G. level."
- 6. The Principal would appoint Coordinator and Assistant Coordinator as per the need to coordinate the teaching of the course, appoint contributory teachers, if necessary. At the end of the course, the college would conduct the examination. It will appoint paper setters and examiners. The final grades of candidates should be informed to the University in the prescribed format. The expenditure incurred for all the required manpower and necessary support services shall be recovered from the remaining amount of fees.
- 7. Qualifications of a Teacher: A teacher in any subject possessing relevant knowledge to teach the "Course on Environmental Studies" shall be eligible.
- 8. This course is also compulsory for external students. In case of external students, they can enroll themselves in any college for the aforesaid course and can complete the same.
- **9.** The admitted undergraduate student/s has to pass in the examination of this course in order to obtain degree from the Affiliating University **or alternatively** in lieu of the entire course, the given students in the batches of 20 may be assigned a project work consisting of People's/Community Bio-diversity Registers (PBR/CBRs) of any Gram Panchayat as per format prescribed by Bio-diversity Authority of India under the guidance of a teacher which shall be evaluated for 100 marks.

- 10. The concerned Faculty can adopt this mandatory course as per the suggested guidelines without or with minor modifications that are deemed to be desirable considering the curricular structure of the given under-graduate course.
- 11. The syllabus, relevant guidelines regarding the scheme of examination and fees structure are appended with this ordinance as Annexure-A, Annexure-B and Annexure-C respectively.

Annexure- A: Syllabus

Course Title of	Code:ES (CompulsoryCourse)the Course:Environmental Studies					
Unit	Contents	Hrs.				
Ι	The Multidisciplinary nature of environment . Definition, scope and importance. . Need for public awareness – Institutions in environment, people in environment					
Π	 Social Issues and the Environment From Unsustainable to Sustainable development, Urban problems related to energy; Water conservation, rain water harvesting, watershed management Resettlement and rehabilitation of people; its problems and concerns. Case studies. Environmental ethics: Issues and possible solutions, resource consumption pattern and need for equitable utilisation, Urban and rural equity issues, need for gender equity Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust. Case studies. Wasteland reclamation - Consumerism and waste products. Environment Protection Act. 	04				
	 Air (Prevention and Control of Pollution) Act. Water (Prevention and Control of Pollution) Act. Wildlife Protection Act. Forest Conservation Act. Issues involved in enforcement of environmental legislation. Public awareness- environmental calendar of activities, self initiation 					
Ш	 Human Population and the Environment Global population growth, variation among nations, Population explosion - Family Welfare Programmes, methods of sterilization; Urbanization Environment and human health – climate and health, infectious diseases, water-related diseases, risk due to chemicals in food, cancer and environment Human Rights – equity, nutrition and health rights, IPRs, community biodiversity registers (CBRs) Value Education – environmental values, valuing nature, cultures, social justice, human heritage, equitable use of resources, common property resources, ecological degradation HIV / AIDS; Women and Child Welfare. Role of Information Technology in Environment and human health. Case Studies. 	03				
IV	 Natural resources:Renewable and non-renewable resources Natural resources and associated problems. Forest resources: Use and over exploitation, deforestation, case studies. Timber extraction, mining, dams and their effects on forests and tribal people. Water resources: Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dams-benefits and problems. Mineral resources: Use and exploitation, environmental effects of extracting and using mineral resources, case studies. Food resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer – pesticide problems, water logging, salinity, case studies. Energy resources: Growing energy needs, renewable and non renewable energy sources, use of alternate energy sources, Case studies. Land resources: Land as a resource, land degradation, man induced landslides, soil erosion and desertification. Role of an individual in conservation of natural resources. Equitable use of resources for sustainable lifestyles 	04				
V	 Ecosystems Concept of an ecosystem- ecosystem degradation, resource utilisation Structure and function of an ecosystem - Producers, consumers and decomposers. Energy flow in the ecosystem – water, carbon, oxygen, nitrogen and energy cycles, integration of cycles in nature Ecological succession - Food chains, food webs and ecological pyramids. Ecosystemtypes, characteristic features, structure and functions of the following ecosystem- Forest ecosystem 	03				

	- Grassland ecosystem	
	- Desert ecosystem	
	- Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries)	
VI	Biodiversity and its conservation	
	. Introduction - Definition: genetic, species and ecosystem diversity.	04
	. Bio-geographical classification of India.	
	. Value of biodiversity: consumptive use, productive use, social, ethical, aesthetic and optional values.	
	. Biodiversity at global, National and local levels.	
	. India as a mega-diversity nation; Hot-spots of biodiversity. Threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts.	
	. Endangered and endemic plant and animal species of India.	
	. Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity.	
VII	Environmental Pollution	
V 11	. Definition	04
		04
	. Causes, effects and control measures of:-	
	- Air pollution	
	- Water pollution	
	- Soil pollution	
	- Marine pollution	
	- Noise pollution	
	- Thermal pollution	
	- Nuclear hazards	
l	. Solid Waste Management: Causes, effects and control measures of urban and	
	industrial waste.	
	. Role of an individual and institutions in prevention of pollution.	
	. Disaster management: floods, earthquake, cyclone and landslides.	
	Pollution case studies.	
VIII	Field work	
	. Visit to a local area to document environmental assets like river / forest / grass land / hill / mountainetc	02
	. Visit to a local polluted site - Urban / Rural / Industrial / Agriculturaletc . Study of common plants, insects, birds.	
	. Study of common plants, insects, birds. . Study of simple ecosystems - pond, river, hill slopes, etc.	
	Total	25

Annexure– B: Scheme of Examination

		Exam	ination	Scheme			
Lectures	Tutorial(s)	Practical	Periods/week	Credits	MSE	IE	Total
2	0	0	2	0	75	25	100

- Contents of the syllabi as per Appendix A mentioned under unit I to VII shall be for teaching and for the examination to be conducted at the end of the semester i.e. MSE for 75 marks. The examination paper shall be having MCQs, Short answer type questions and an Essay. The IE consisting of 25 marks will be in the form of Report to be submitted based on field work done as per Unit No VIII.
- 2. The result would be declared in the form of Grades as shown below: Grade **'O'** for score above 75; **A**:61-75; **B**:51-60; **C**:40-50

Annexure– C: Fee Structure

A fee of Rs 150/- per student shall be charged and its utilization is as Rs 25/- to be deposited with the Affiliate University and Rs 125/- to the concerned college for providing human resource, supporting infrastructure and the administrative expenses pertinent to the course as approved by the Affiliate University.



Gondwana University, Gadchiroli

FACULTY OF COMMERCE

DIRECTION GOVERNING THE EXAMINATIONS LEADING TO THE AWARD OF TWO YEARS POST GRADUATE DEGREE, IN THE FACULTY OF COMMERCE WITH SEMESTER PATTERN & CHOICE BASED CREDIT SYSTEM FROM THE ACADEMIC SESSION 2016-17

GONDWANA UNIVERSITY, GADCHIROLI

MASTER OF COMMERCE (TWO YEARS COURSE IN FACULTY OF COMMERCE) COURSE AND EXAMINATION SCHEME WITH CHOICE BASED CREDIT SYSTEM

	Unique	Subject	T	Teaching Scheme			Examination Scheme				
	Subject Code	Subject Code (USC)	We	ekly	Hours				Theory		
Area	(USC)		L	LT	Total Hours		redit of Paper	er Marks	s Internal Assessment	Total	Min. Passing Marks
								ESE	IE		
Core Course	PCC4C01	Advanced Management Accounting	4	-	4	5	3	80	20	100	40
Compulsory	PCC4F0P	Project + Seminar	4	•	4	14	-	Ser	minar-50	150	-
Foundation							-	Project	E- 50 + 1-50	_	
Elective Foundation See instructions for selecting subjects from 'Pool of subjects'	See 'Pool of Subjects' for USC	Elective - I	4	-	4	4	3	80	20	100	40
Elective See instructions for selecting subjects from 'Pool of subjects'			4		4	4	3	80	20	100	40

IV - SEMESTER

L= LECTURES EVALUATION

T= THEORY

Gondawana University, Gadchiroli Master of Arts (Choice Based Credit System Semester Pattern) M. A. Geography

	SEMESTER 1	Teaching Scheme	Examination Scheme									
		(Hrs/Week)		Max	Marks		Min. Passing Marks					
S.No.	Theory Paper	Theory / Practical	Duration Hrs	External TH Marks (Univ)	Practical / Internal Marks	Total Marks	External TH Marks	Practical /Internal Marks	Total			
	Paper I - Core subject (History of Geographycal	5	3	80	20	100	32	8	40			
-	Thoughts)	5	3	80	20	100	32	8	40			
	Paper - II- Core subject (Oceanography)	5	3	80	20	100	32	8	40			
3	Paper - III- Core subject (Climatology)	10	6	0	100	100	D	40	40			
4	Paper - IV (Practical I) Total	25	12	240	100/60	400	96	64	160			

SEMIESTER II

	SEMICSTER #	Teaching			Emmi	nation Sch	eme		- 1
		Scheme (Hrs/Week)		Max	Marks			Passing Marl	G
S.No.	Theory Paper	Theory / Practical	Duratio n Hrs	External TH Marics (Univ)	Practical / Internial Matrics	Total	External TH Marks	Practical /internal Marks	Total
1	Paper - I - Core subject (Research Methodology)	5	3	80	20	100	32	8	40
2	Paper - II - Core subject (Geomorphology)	5	3	80	20	100	32	8	40
3	Paper - III- Core subject (Geography of Resources)	5	3	80	20	100	32	8	40
4	Paper - W(Practical II)	10	6	0	100	100	0	40	40
	Total	25	12	240	1.00/60	400	95	64	160

	SEMESTER III											
		Teaching	Examination Scheme									
	Theory Paper	Scherne (Hrs/Week)		Max	Marks		Min. Passing Marks					
S.No.		Theony / Practical	Duratio n'Hrs	External TH Marks (Univ)	Practical / Internal Marks	Total Marks	External TH Marks	Practical /internal Marios	Total			
	Paper - I - Core subject (Geo. Of Manufacturing &											
1	Transport)	5	3	80	20	100	32	8	40			
2	Paper - II - Core subject (Agriculture Geo.)	5	3	80	20	100	32	8	40			
	Paper - III – Elective Subject i(Population Geography) iti(Geography of tourism)											
3	lii (Bio-Geography)	5	3	80	20	100	32	8	40			
4	Paper - IV(Practical III)	10	6	0	100	100	0	40	40			
	Total	25	12	240	100/60	400	96	64	160			

SEMESTER IV

		Teaching			Exami	nation Sch	eme		
		Scheme (Hrs/Week)		Max	Marks		Min	Passing Mar	ks
S.No.	Theory Paper	Theory / Practical	Duratio n Hrs	External TH Marks (Unīv)	Practical / Internal Marks	Total Marks	Externa) TH Marks	Practical /Internal Marks	Total
1	Paper - I - Core subject (Geography of Settlement)	5	3	80	20	100	32	8	40
2	Paper - II - Core subject (Social Geography)	5	3	80	20	100	32	8	40
3	Paper – III – Elective Subject- i (Regional Planning) ii (Environmental Geography) iii (Political Geography)	5	3	80	20	100	32	8	40
4	Paper - IM(Practical IV)	10	6	0	100	100	0	40	40
	Total	25	12	240	100/60	400	96	64	160

1

Marks- 100

Semester - I

PAPER - IV

PRACTICAL - I

1. Preparation and interpretation of the following maps and diagrams.

Group A

- i Equivariable
- ii Equipluves
- III Frequency graph
- Rainfall dispersion diagram iv
- Running mean v
- vi Wind rose and compound wind rose

Group B

- i. Water budget graph
- ii. Climatograph
- iii. Hythergraph
- iv. Taylor's Climograph
- v. Compound columnar graph
- Index of aridity and index of moisture vi.
- 2. Study of Indian daily weather map and weather analysis.
 - Study and interpretation of at least four maps of India pertaining to S. W. Monsoon Season
 - (a) (b) Summer season
 - (c) Transition period
 - (d)
 - Cyclonic
- Advanced techniques of spatial analysis:
 - (a) Remote sensing

Definition of remote sensing. Remote sensing platforms and scanners. Electromagnetic radiation and physics of remote sensing. Arial remote sensing data products- Arial photographs, types, scales, displacement, parallax, aerial mosaics, radial line methods (graphical) (exercise).

(b) Geographical information system

Introduction to GIS. Fundamental of GIS- Spatial concepts and spatial relationships. Data models and (10 Marks – 2 Periods) structures- raster and vector. Integration procedure for spatial and non-spatial data. Scanning and digitization exercises. Editing and topology creation. Thematic mapping.

4 Excursion:

Visit to any plain, plateau, hilly, coastal area, Mines, Forest, Tiger Project, National Park, Sanaturies, Dams, netorological centre and submit a report with photographs.

7

5. Viva Voce

Practical Record

(10 Marks) (10 Marks)

(20 Marks – 2 Periods) (10 Marks)

(10 Marks)

(15 Marks - 2Periods)

GONDWANA UNIVERSITY GADCHIROLI

SYLLABUS For M. Sc. BOTANY SEMESTER III & IV

Under Choice Based Credit System



(With effect from: 2017-18)

Project Work/Dissertation Scheme / Guidelines for the Students, Supervisors and Examiners

Every student is required to carry out a project work in semester IV. The project can be of following types. A) Experimental Project Work; OR B) Field Based Project Work; OR C) Review writing based Project Work.

Experimental Project Work and Field Based Project Work:

Student can carry out Experimental / Field Based Project Work on a related research topic of the subject /course. It must be an original work and must indicate some degree of experimental work / Field work. On the basis of this work, student must submit the Project Report (typed and properly bound) in two copies at least one month prior to commencement of the final Practical / lab Examination of Semester IV. The project report shall comprise of Introduction, Material and Methods, Results, Discussion, Summary, Conclusion and, References along with the declaration by the candidate that the work is original and not submitted to any University or Organization for award of the degree and certificate by the supervisor and forwarded through Head / Course-coordinator / Director of the Department / Centre or the Principal of the College.

Review writing based Project Work.

Student can carry out review writing Based Project Work on a related topic of the subject / course. It must be a review of topic based on research publications. Student shall refer peer reviewed original research publications and based on findings, write a summary of the same. The pattern of review writing shall be based on reputed reviews published in a standard, peer reviewed journals. On the basis of this work, student must submit the Project Report (typed and properly bound) in two copies at least one month prior to commencement of the final Practical / lab Examination of Semester IV. The project report shall comprise of Abstract, Introduction, detailed review, Discussion, Summary, Conclusion and, References along with the declaration by the candidate that the work is original and not submitted to any University or Organization for award of the degree and certificate by the supervisor and forwarded through Head / Course-coordinator / Director of the Department / Centre or the Principal of the College.

*The supervisors for the Project Work shall be from the following.

A person shall be an approved faculty member in the relevant subject.

OR

Scientists of National Laboratories / Regional Research Laboratories/ Experts from R&D in Industry who are approved by competent authority in such facilities by the Union Government / the State Government / Gondwana University / Other Universities recognized by UGC.

The Project Work will carry total 100 marks and will be evaluated by both external and internal examiner in the respective Department / Center / Affiliated College.

The examiners will evaluate the Project Work/Dissertation taking into account the coverage of subject matter, arrangement and presentation, references, etc.

For written Project work	40	Marks - Evaluated jointly by External & Internal examiner
Oral Presentation	20	Marks - Evaluated jointly by External & Internal examiner
For Viva-Voce	20	Marks - Evaluated by External examiner
Internal Assessment	20	Marks - Evaluated by Internal examiner

Total	100	

Seminar

Guidelines for Students, Supervisors and Examiners

In each semester, the student will have to deliver a seminar on any topic relevant to the syllabus / subject encompassing the recent trends and development in that field / subject. The topic of the seminar will be decided at the beginning of each semester in consultation with the supervising teachers. The student has to deliver the seminar which will be followed by discussion. The seminar will be open to all the teachers of the department, invitees, and students.

The students should submit the seminar report typed and properly bound in two copies to the head of the department. The said shall be evaluated by the concerned supervisor / head of the department. The marks of the seminar shall be forwarded to the university within due period through head of the Department. The record of the seminar should be preserved till the declaration of the final result.

Internal Assessment:

1. The internal assessment marks shall be awarded by the concerned teacher.

2. The internal assessment marks shall be sent to the University after the Assessment in the prescribed format.

3. For the purpose of internal assessment the University Department / College shall conduct any three assignments described below. Best two scores of a student in these tests shall be considered to obtain the internal assessment score of that student.

4. If the student does not appear for the Practical Exam he shall be declared failed in Practical Examination irrespective of marks obtained in Internal Practical Assessment. However the Internal Practical Assessment marks will be carried forward for his next supplementary Practical Exam.

5. General guidelines for Internal Assessment are:

- a) The internal assessment marks assigned to each theory paper as mentioned in Appendix 1 shall be awarded on the basis of assignments like class test, attendance, home assignments, study tour, industrial visits, visit to educational institutions and research organizations, field work, group discussions or any other innovative practice / activity.
- b) There shall be three assignments (as described above) per course.
- c) There shall be no separate / extra allotment of work load to the teacher concerned. He/ She shall conduct the Internal assessment activity during the regular teaching days / periods as a part of regular teaching activity.
- d) The concerned teacher / department / college shall have to keep the record of all the above activities until six months after the declaration of the results of that semester.
- e) At the beginning of each semester, every teacher / department / college shall inform his / her students unambiguously the method he / she proposes to adopt and the scheme of marking for internal assessment. (Prescribed in syllabus of respective Subjects).
- f) Teacher shall announce the schedule of activity for internal assessment in advance in consultation with HOD / Principal.

Practical Examination

- Each practical carries 100 marks. The scheme of marking shall be as per given in the syllabi of respective subjects.
- Practical performance shall be jointly evaluated by the External and Internal Examiner. In case of discrepancy, the External Examiner's decision shall be final.
- 3. Duration of practical examination will be as per given in the syllabi of respective subjects.
- 4. The Practical Record of every student shall carry a certificate as shown below, duly signed by the teacher-in-charge and the Head of the Department. If the student fails to submit his / her certified Practical Record duly signed by the Teacher-In-Charge and the Head of the Department, he / she shall not be allowed to appear for the Practical Examination and no Marks shall be allotted to the student.

Board of Studies in Physics FACULTY OF SCIENCE GONDWANA UNIVERSITY, GADCHIROLI

Syllabus of

M.Sc. Second Year (Semester Pattern) (Choice Based Credit System)

SUBJECT - PHYSICS

Semester III & Semester IV

Semest	er IV:										
			ing Sche	me		Examin	ation Sc Max.	heme		Minim	um
		Hrs/ w	eek			£	Marks			Marks	
Core	Theory / Practical	Theory	Practic	Total	Credit	Duration in h	External	Internal	Total	Theory	Practical
Core 11 (PSCPHY T11)	Paper 13 Nuclear and Particle Physics	4	•	4	4	3	80	20	100	40	
Core 12 (PSCPHY T12)	Paper 14 Solid State Physics	4		4	4	3	80	20	100	40	
Core Elective II (PSCPH YT15)	Paper 15 Material Science II OR Nanoscience and Nanotechnology II OR Atomic and Molecular Physics II	4	•	4	4	3	80	20	100	40	
Fundation Course II	Paper 16 Spectroscopic Applications OR Optics and Optical instruments	4		4	4	3	80	20	100	40	
Practical.	Practical 7 (Based on Core I I, 12and Elective II)		8	8	4	3-8•	80	20	100		40
Project	Project		8	8			80	20	100		40
Seminar 4	Seminar 4	2		2	1		(80	25	25	10	-
TOTAL		18	16	34	25		480	145	625	170	25

GONDWANA UNIVERSITY, GADCHIROLI M.Sc.-II Semester III, IV (Chemistry)

(Effective from 2017-18) (CBCS)

- 1. There will be four theory papers in every semester which will carry 80 marks each of 3 hrs. duration.
- 2. In semester III student will opt for special paper from four options available.
- 3. In semester IV student will opt for an elective paper out of the five options available.
- 4. There will be internal assessment of 20 marks per paper per semester.
- 5. Each paper per semester with total of 100 marks(80+20 i.e. theory+internal assessment) will carry 4 credits.
- 6. The internal assessment will be based on Attendance, Home assignment, Unit test Terminal test and participation in departmental activities.
- There will be two practical examinations in semester III i.e. Pract I(special) and Pract II(Elective) of 6-8 hours duration of 80 marks with 4 credits each. Every practical will be having 20 internal practical marks.
- In semester IV there will be one practical (Special) and another as Project of 80 marks each.
- In each semester, the student will have to deliver a seminar on any topic relevant to the syllabus / subject encompassing the recent trends and development in that field / subject. This will carry 25 marks per seminar with one credit.
- So, the total marks allotted to the Chemistry subject per semester is 625 marks: Theory (320 marks) + Internal assessment (120 marks) + Practicals (160 Marks)+ Seminar (25Marks)= 625marks (total)
- 11. Each theory paper consists of four units of fifteen hours per unit.

The following syllabi are prescribed on the basis of four hours per week of each paper and nine practical periods per batch per week.

General scheme for distribution of marks in practical examination

Time : 6-8 h (One day Examination) Total Marks : 80) Exercise-1 - 30 Marks Exercise-2 - 20 Marks Viva-Voce -15Marks Record -15 Marks

PSCChP11 Practical-XI Project

9 h/week 80 Marks

Project is a part of practical examination. Project should be carried out by the student under the supervision of Guide/Teacher. The examination shall be conducted by External and Internal Examiners. Students are supposed to present their work either on LCD Projector / OHP or blackboard.

The division of marks will be as follows:

External examiner: 40 marks

Internal examiner (Guide/ Teacher): 40 marks

(With Internal Assessment of 20 Marks)

Note: One external examiner shall be appointed for evaluation of group of 6 students.

PSCChP12 Seminar-

2 h /week Marks: 25

Seminar of 30 minutes duration will be a part of internal assessment for 25 marks (1 credit). Seminar should be delivered by the student under the guidance of concerned teacher on the topic allotted by the teacher. The topic will be related to the syllabus. Marks will be allotted by a group of teachers.

Course Structure for

Degree of Master of Library and Information Science (MLISc)

(2 Year Integrated Course : Semester, Choice Based Credit System)

And

Bachelor of Library and Information Science (BLISc)

(Equivalent to MLISc first Year CBCS)

		Credit Di	stribution	M	arks Distributio	on
Course	Course Name	Theory	Practical	Univ.	Internal	Grand
code				Exam.	Assessment	Total
FIRST SE	MESTER				-	
LIS/I/T/01	Foundation of Library and	04	00	80	20	100
	Information Science					
LIS/I/T/02	Knowledge Organization and	04	00	80	20	100
	Library Classification					
LIS/I/T/03	Library Cataloguing	04	00	80	20	100
LIS/I/T/04	Information Sources	04	00	80	20	100
LIS/I/T/05	Information Technology	04	00	80	20	100
	Basics					
LIS/I/P/06	Classification Practice (Part-I)	00	04	80	20	100
LIS/I/P/07	Cataloguing Practice (Part-I)	00	04	80	20	100
LIS/I/P/08	Information Technology	00	04	80	20	100
	Basics Practice (Part-I)					
LIS/I/P/09	Information Sources Practice	00	04	80	20	100
	(Part-I)					
То	tal	20	16	720	180	900
SECOND	SEMESTER			_		
LIS/II/T/10	Library House Keeping	04	00	80	20	100
	Operation					
LIS/II/T/11	Management of Libraries and	04	00	80	20	100
	Information Centres					
LIS/II/T/12	Information Services	04	00	80	20	100
LIS/II/T/13	Library Automation	04	00	80	20	100
LIS/II/T/14	Research Methods and	04	00	80	20	100
	Statistical Techniques					
LIS/II/P/15	Classification Practice (Part -	00	04	80	20	100
	11)					
LIS/II/P/16	Cataloguing Practice (Part-II)	00	04	80	20	100
LIS/II/P/17	Information Technology	00	04	80	20	100
	Basics Practice (Part-II)					
LIS/II/P/18	Information Sources Practice	00	04	80	20	100
	(Part -II)					
Т	otal	20	16	720	180	900

Degree of Master of Library and Information Science (MLISc)

(2 Year Integrated Course : Semester, Choice Based Credit System)

Second Year

And

Degree of Master of Library and Information Science (MLISc)

		Credit Di	stribution	M	arks Distributio	on
Course	Course Name	Theory	Practical	Univ.	Internal	Grand
code				Exam.	Assessment	Total
THIRD SEM						
LIS/III/T/19	Information Analysis,	04	00	80	20	100
	Repackaging and					
	Consolidation					
LIS/III/T/20	Information Storage,	04	00	80	20	100
	Retrieval and Bibliographical					
110/111/7/24	Control	0.0	00	00	20	100
LIS/III/T/21	System Analysis and	04	00	80	20	100
LIC/111/T/22	Bibliometrics	04	00	80	20	100
LIS/III/T/22	ICT Applications in Libraries and Information Centres	04	00	80	20	100
	Elective Papers : Any one of	04	00	80	20	100
	the following	04		80	20	100
LIS/III/T/23-	Elective 1- Industrial					
EL.1	Information System					
LIS/III/T/2-	Elective 2- Agricultural					
El.2	Information System					
LIS/III/T/23-	Elective 3- Legal Information					
EL.3	System					
LIS/III/T/2-	Academic Library and					
EL.4	Information System					
LIS/III/P/24	Information Technology	00	04	80	20	100
	Application (Part-I)					
LIS/III/P/25	Educational Tour Report,	00	02	00	50	50
	Survey of \libraries and					
	Information Centres					
LIS/III/P/26	Internship	00	02	00	50	50
LIS/III/P/27	Project Seminar	00 20	02	00	50	50
	Total		10	480	270	750
Foundation P Students)	Paper –Only for Other P.G. Depa	rtment (In	terdisciplina	ary) Stude	ents (Not for LI	S
STRUCT MOTEL			00	00	20	100
	Eundamentals of Library	(1/4	1 00			
LIS/III/T/28 / FC- Part -I	Fundamentals of Library Science	04	00	80	20	100

LIS/IV/T/29	Information System and Networks	04	00	80	20	100
LIS/IV/T/30	Management of ICU, Marketing and Technical Writing	04	00	80	20	100
LIS/IV/T/31	Computer Generated Indexes and Retrieval Techniques	04	00	80	20	100
LIS/IV/T/32	Digital Libraries	04	00	80	20	100
	Elective Papers- Any one of the following	04	00	80	20	100
LIS/IV/T/33 EL.1	Archival, Museums and Archaeological Information System					
LIS/IV/T/33	Bio-technology Information					
-LE.2	System					
LIS/IV/T/33	Engineering and					
-EL.3	Technological Library and Information System					
LIS/IV/T/33	Public Library and					
EL.4	Information System					
LIS/IV/P/34	Information Technology Applications (Part-II)	00	04	80	20	100
LIS/IV/P/35	Project Work Report	00	04	80	20	150
	Vivo Voce		02	50		
	Total	20	10	610	140	750
Foundation F Students)	Paper –Only for Other P.G. Depar	tment (I	nterdiscipl	inary) Stud	dents (Not fo	or LIS
LIS/IV/T/36 FC-Part II	Fundamentals of Information Science	04	00	80	20	100

GONDWANA UNIVERSITY, GADCHIROLI



BOARD OF STUDIES IN ZOOLOGY

Sem: IV

SUBMISSION OF

CHOICE BASED CREDIT SYSTEM

SYLLABUS FOR POST GRADUATE (M. Sc.) PROGRAMME

FROM SESSION 2016 - 17

8. Viva – voce		10
0.		80
Internal Asses	sment	20
	 Total marks	100
		100
Project work (80 marks project eval	uation including viva + 20 marks Internal asses	sment)
Suggested Readings		

- A textbook of fishery science and Indian fisheries- S. B. L. Srivastava
- 1. Fish and fisheries – Kamleshwar Pandey and J. P Shukala
- A textbook of fish biology and fisheries S.S. Khanna and H. R. Singh 2.
- 3. A text book of fish biology and Indian fisheries- R.P. Parihar
- 4. General and Applied Ichthyology- S.K.Gupta and P.C.Gupta
- 5. An introduction to fishes- S. S. Khanna. 6.
- Fish processing technology T. K. Govindon.
- Hand book of breeding of major carps by pituitary hormones S. L. Chonder. 7.
- 8. Aquaculture – T. V. R. Pillay.
- Diseases of cultivable freshwater fishes and their control N. M. Chokraborty. 9.
- 10. Fish and fisheries in India - V. G. Jhingran.
- 11. Indian fishes (Identification of Indian Teleosts) – T. A. Qureshi.
- Introduction to tropical fish assessment per share, Erik Ursine and Siberian C. Verma. 12.
- 13. Fish population dynamics – M. Devaraj.

14.

Semester -IV Paper-XIV, Special Group-Environmental Biology-III **Environmental Pollution and Aquaculture**

Unit-I

- Pollution Ecology: definition, sources of pollution, classification of pollutants, primary 1.1 and secondary pollutants.
- Air pollution: definition, sources, air pollutants and its offects on human health and 1.2 atmosphere, control of air pollution.
- Water Pollution: definition and sources, water pollutants and its effects, control of water 1.3 pollution.
- Noise pollution, sources, physiological and psychological effects of noise pollution, 1.4 control measures of noise pollution.

Unit-II

Land pollution: definition, sources, effects and control of insecticide pollution. 2.1

		Ν	1.Sc I	Botany ·	– Seme	ster-II							
	Course/PaperC		Teaching Scheme			Credits Assigned				% of Assessment			
Subject Subject (Major)Mand ry Elective 02MSCB 4 (Student Shall select any one from the elective group)	de	Paper Name		Pract.	Tut.	Theory	Pract.	Tut.	Total	CA	UA	Total	Min. Passing Marks
	02MSCB 1	Plant Physiology	4	-	-	3	-	-	3	20	80	100	40
· • /	02MSCB 2 dato	Plant Development & Embryology	4	-	-	3	-	-	3	20	80	100	40
- 5	02MSCB 3	Angiosperm-I	4	-	-	3	-	-	3	20	80	100	40
02MSCB 4	02MSCB 4.1	Molecular Biology and Plant Biotechnology-II											
select any one from the	02MSCB 4.2	Reproductive Biology of Angiosperms-II											
elective group)	02MSCB 4.3	Paleobotany-II	4	-	-	3	-	-	3	20	80	100	40
	02MSCB 4.4	Advance Phycology- II											
	02MSCB 4.5	Mycology and Plant Pathology -II											
OJT/FP	02MSCB 5	On Job Training	-	5	-	-	4	-	4	20	80	100	40
Practical-I	02MSCB 6	Based on 02MSCB 1 & 02MSCB 2	-	4	-	-	2	-	2	25	75	100	50
Practical-II	02MSCB 7	Based on 02MSCB 3 & 02MSCB 4	-	4	-	-	2	-	2	25	75	100	50
ter As man CD the	Total		16	13	-	12	8	-	20	150	550	700	300

Note: As per GR, there is no mention of Ability Enhancement Course in the skeleton of PG syllabus for NEP20.

	Scheme of Teaching and Examination for M.Sc. (Chemistry)								
	M.Sc. (Chemistry) Semester – II	L	Т	Р	Total Credits	UA	СА	Min	Total
Major	02MSCCH01 Paper I (Inorganic Chemistry)	3			3	80	20	40	100
	02MSCCH02 Paper II (Organic Chemistry)	3			3	80	20	40	100
	02MSCCH03 Paper III (Physical Chemistry)	3			3	80	20	40	100
Major	02MSCCH04 Paper IV (Analytical Chemistry) or	3			3	80	20	40	100
Elective	02MSCCH05 Paper IV (Inorg. Mat. Of Ind. Imp.) or	3			3	80	20	40	100
	02MSCCH06 Paper IV (Polymer Chemistry) or	3			3	80	20	40	100
	02MSCCH07 Paper IV (Mol. Spectroscopy) or	3			3	80	20	40	100
	02MSCCH08 Paper IV (Front. in Electrochemistry)	3			3	80	20	40	100
Practical	02MSCCHL3 Practical III			4	2	75	25	50	100
	02MSCCHL4 Practical IV			4	2	75	25	50	100
	02MSCCH09 Paper V (OJT/FP)	3			3	80	20	40	100
	02MSCCHS2 Seminar II	1			1	-	50		50
	Total	16		8	20				750

Table 1: M.Sc. Semester II

		NT C.1				c. Sei	nester						
Course	Course Code	Name of the course	Level		aching heme (h	rs)			Examir	nation	Scheme	e	
Catego		(Title of the Paper)	Lever	Theory	Pract.	Total		Duration of	Maxim	um	Total	MiniPa	ssing
ry		(The of the Luper)					Total	Exam	marks			Marks	
								(Hrs)	ESE	CIE	-		
							Credit		(UA)	(CA)			
									$(0\mathbf{A})$	(CA)		Theory	Practical
DSC	02MSCPH 1	Paper 1: Fundamentals of Quantum Mechanics		4		4	3	3	80	20	100	40	
	02MSCPH 2	Paper 2: Solid State Physics		4		4	3	3	80	20	100	40	
	02MSCPH 3	Paper 3: Classical and Statistical Mechanics	6.0	4		4	3	3	80	20	100	40	
	02MSCPH4.1	Paper 4:- Advanced Optoelectronics											
DSE	02MSCPH4.2	Paper 4: Plasma Physics and Space Science											
	02MSCPH4.3	Paper 4: Practical Electronics		4		4	3	3	80	20	100	40	
	ODMSCDUA A	Paper 4 Medical											
	02MSCPH4.5	Paper 4: Data Science											
OJT/FP		Paper 5: Industrial Training/ Field Project/Research Project		4		4	3	5	80	20	100	50	
Lab-I	02MSCPH 6	Practical Based On (Paper I+ Paper II)			8	8	2	3-8	80	20	100		50
Lab-II	02MSCPH 7	Practical Based On (Paper 3+ Elective)			8	8	2	3-8	80	20	100		50
Ability Enhance ment		Seminar		2		2	1			50	50	20	
	То	tal		22	16	38	20		560	190	750		
L	I T T T T T T T T T T T T T T T T T T T	DC. Dissipling	a	ia Cara	DOD		inling	Specific E		0.177	- -	oh Tre	· . ·

Abbreviations: DSC: Discipline Specific Core, DSE: Discipline Specific Elective, OJT: On Job Training: Internship/ Apprenticeship; FP: Field projects; RM: Research Methodology; Research Project: RP. ESE: End Semester Evaluation (UA), CIE: Continuous Internal Evaluation (CA).

Table 1: M.Sc. Semester II

	1	L	Table				: II	T			
		Name of the course(Title		S	eaching cheme (Tutori	hrs)		Evalu	ation Schem	e	
	Course Category	of the Paper)	Level			P	Total Credit	Duratio n of Examin ation (Hrs)	End Semester Evaluati on(ESE)	Continu ous Internal Evaluati on (CIE)	Minimu m Passing Marks
1	DSC	Paper 1:- Structure and Function of Vertebrates (02MSCZO01)		4			3	3	80	20	40
		Paper 2: Comparative Endocrinology- (02MSCZO02)	6.0	4			3	3	80	20	40
		Paper 3 Molecular Biology and Biotechnology: (02MSCZO03)		4			3	3	80	20	40
2	DSE Elective	Paper 1:- Biology of Parasites Paper 2:- Aquaculture and Management Paper 3:- Applied Entomology Paper 4:- General and Applied Ichthyology Paper 5:- Economic Zoology (02MSCZO04)		4			3	3	80	20	40
3	OJT / FP	Industrial Training/Survey/ Research Project (02MSCZO05)		4			4	5	80	20	50
4	Lab-I	Practical Basis On (C1+ C2)				4	2	5	80	20	50
5	Lab-I	Practical Basis On (C3+ EL)				4	2	5	80	20	50
6		Seminar								50	20
		lative Credits for :		20		8	20		550	200	

Basket for the 2 year PG Program (M.Sc. Mathematics) under NEP-2020

	Sem - I	Sem - II
Major (DSC)	Advanced Abstract AlgebraTopologyLinear Algebra	Field theoryMeasure theoryClassical Mechanics
Major Elective (DSE)	 Numerical Analysis Real Analysis Ordinary differential Equations Calculus of Variations Number Theory SCILAB Programming Fuzzy Mathematics Logic and Set Theory Elementary Discrete Mathematics 	 Operations Research Differential Geometry Combinatorics Graph Theory Coding Theory Coding Theory Cryptography Advanced Topics in Topology Statistics and Probability C Programming Financial Mathematics
Research Methodology/OJT/ Field Project	Research Methodology	OJT/Field Project

Note:

- 1. Students need to do OJT/Field Project as per NEP guidelines and mentors shall be designated by department/colleges for internship/OJT.
- 2. Maximum 10 students per teacher shall be allocated for mentorship of OJT/Field Project.
- 3. The students must complete on-the-job training/internship of 04 credits during summer break, after completion of the second semester of the first year in the respective Major Subject.
- 4. The assessment of OJT/FP shall be conducted by the Department.
- 5. Teachers may use software's, if required for teaching contents of a course.
- 6. SCILAB Programming and C Programming are 4 credit courses, where 2 Theory and 2 practicals per week shall be devoted to them.
- 7. Term end Theory examination of 80 marks and 20 marks internal assessment shall be conducted for those courses which have theory and practical components.

			Sche	eme	e								
	M.Sc. –	I Compute	r Sci	ieno	ce -	– Se	me	ste	r-I				
	Course/ Paper	D N		Teaching Scheme		Credits Assigned				% of Assessment			
Subject	Code	Paper Name	Theory	Prac.	Tut.	Theory	Prac.	Tut.	Total	IA	UE	Total	Min. Passing Marks
G	01MSCCS01	Scripting Languages and Information Retrieval	4	-	-	3	-	_	3	20	80	100	40
Core	01MSCCS02	Python Programming	4	-	-	3	-	-	3	20	80	100	40
	01MSCCS03	Advanced Java	4	-	-	3	-	-	3	20	80	100	40
01MSCCS04.1 Cloud Computing													
Flooting	01MSCCS04.2	Discrete Mathematics											
Elective PGMSCC04 (Student Shall select any one from the elective group)	01MSCCS04.3	Theory of Computation & System Programming	4	-	-	3	-	-	- 3	20	80	100	40
	01MSCCS04.4	Network Security											
	01MSCCS04.5	Computer Graphics											
RM	01MSCCS05	Research Methodology & Publication Ethics	4	-	-	3		-	3	20	80	100	40
LAB - I	01MSCCS06	Based on 01MSCCS01 & 01MSCCS02	-	4	-	-	2	-	2	25	75	100	50
LAB - II	01MSCCS07	Based on 01MSCCS03 & 01MSCCS04	-	4	-	-	2	-	2	25	75	100	50
Ability Enhancement	01MSCCS08	Seminar	- 20	1	-	-	1	-	1	50	-	50	20
	Total		20	9	-	15	5	- 12	20	200	220	750	320

M.Sc. (Computer Science) Sem - I & II (NEP 2020), Gondwana University, Gadchiroli

Gondwana University, Gadchiroli

Master of Arts (NEP 2020)

M.A History Examination Scheme

SEMESTER - II

	Major Papers		Examinatio	ns Scheme	Internal Assessment	Tot	al
			Marks	Credits	Marks	Marks	Credits
Major (DSC) Paper – I (Mandatory)	Trends and Theories in History	Full Marks	80		20	100	04
		Pass Marks	32	04	08	40	04
Major (DSC) Paper – II (Mandatory)	India Under British Rule : 1857-1905	Full Marks	80	04	20	100	04
		Pass Marks	32	04	08	40	
Major (DSC) Paper – III(Mandatory)	Contemporary World :1950-2000	Full Marks	80	04	20	100	04
		Pass Marks	32	04	08	40	
	Independent India: 1947-2000	Full Marks	80		20	100	
		Pass Marks	32	04	08	40	04
	State, Society and Culture of India 300 B.C 500 A.D.	Full Marks	80	04	20	100	04
	500 A.D.	Pass Marks	32	04	08	40	
an analy and fields on the day that the	Society Economy and Culture Under the	Full Marks	80	1 - N 60	20	100	0.1
Major (DSE) Elective Paper – IV	Sultans	Pass Marks	32	04	08	40	- 04
Submy and Culture Oncer to a	Society Economy and Culture Under the	Full Marks	80	04	20	100	04
and the second sec	Mughals	Pass Marks	32		08	40	
New Second Sectore in India; 111 111	History of Art and Architecture in India:	Full Marks	80	t in	20	100	
1	Medieval Period	Pass Marks	32	04	08	40	04
- Contrary Markaron Line - E. 1	Nineteenth Century Maharashtra	Full Marks	80		20	100	04
A STATISTICS AND	A limited by 12	Pass Marks	0 32	- 04	08	40	
		Full Marks	80		20	100	0.4
Minor (OJT) / Field Work – V		Pass Marks	32	04	08	40	- 04
9	Total	Full Marks	400	20	100	500	20
		Pass Marks	160	20	40	200	20

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Gondwana University, Gadchiroli

Master of Arts (NEP 2020) M. A. Geography

SEMESTER I

		Teaching Scheme	Examination Scheme									
Paper code	Major Papers	(Hrs/Week)		Max M	Marks		Min	. Passing Ma	rks			
POGEOAL		Theory / Practical	Credit	External Marks (Univ)	Practical / Internal Marks	Total Marks	External TH Marks	Practical /Internal Marks	Total			
PGGEO01	Paper I - History of Geographical Thoughts	4	4	80	20	100	32	8	40			
PGGEO02	Paper II- Marine Geography	4	4	80	20	100	20					
PGGEO03	Paper III- Climatic Map and Diagram (Practical I)	8	4	0	100		32	8	40			
PGGEO04	Paper IV- Research Methodology	4	4	80	20	100	0	40	40			
	Elective Papers		4	00	20	100	32	8	40			
	Paper I- Rural Settlement						192.4					
	Paper - II Geography of Climate Change											
PGGEO5	Paper III - Geography of Soil & Water Resources	4	4	80	20	100						
Р	Paper IV- Geography of Tourism		-	00	20	100	32	8	40			
	Paper V - Population Geography											
	Total	24	20	320	180	500	128	72	200			

SEMESTER II

		Teaching Scheme	Examination Scheme									
Paper code	Major Papers	(Hrs/Week)		Max Marks			Min	Min. Passing Marks				
	Devel 4 V 10	Theory / Practical	Credit	External Marks (Univ)	Practical / Internal Marks	Total Marks	External TH Marks	Practical /Internal Marks	Total			
FUUEUU0	Paper I – Applied Geomorphology	4	4	80	20	100	32	8	40			
PGGEO07	Paper II- Remote Sensing and GIS	4	4	80	20	100	20	-				
PGGEO08	Paper III- Practical II -	8	4	00	100		32	8	40			
PGGEO09	Paper IV- On Job Training (OJT)	8	4	00		100	40	00	40			
	Elective Papers		4	00	100	100	40	00	40			
	Paper I- Geography of Resources											
	Paper - II Medical Geography		1.0.24						1			
PGGEO10	Paper III - Bio-Geography	4	4	00		-						
	Paper IV- Social Geography		4	80	20	100	32	8	40			
	Paper V – Urban Geography							Service -				
	Total	24	20	320	180	500	128	72	200			

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FACULTY OF HUMANITIES Two Years Regular Post-Graduate Program: (M. A.) English Literature Semester II Course Code 2023-2024

Area	Subject Code	Subjects
	S2MAEN201	1. History of English literature - II
Major : Mandatory	S2MAEN202	2.History of English language - II
Course	S2MAEN203	3.Teaching of English language and literature -II
	S2MAEN204	4,Diasporic Literature - II
	S2MAEN205	5.Dalit Literature -II
Electives	S2MAEN206	6.Women studies-II
	S2MAEN207	7. American literature-II
	S2MAEN208	8. English poetry -II
On Job	S2MAEN209	On Job Training and Training Report
Training/ Field Project	S2MAEN210	Field Project (On any Topic of Major/Elective Subjects of Semester I and Semester II)

	NEP 2020 Semester Pa	attern Scheme of Political Science		for M.A. in				
	MA Part I – Sen	nester 1 Major	{DSC} and	minor				
				ination		ernal ssment	To	otal
			Marks	Credits	Marks	Credits	Marks	Credits
		Full Marks	80	3	20	1	100	4
Major (DSC)Paper (PS-01)	Modern Indian Political Thought	Pass Marks	32	1	8	0.5	40	2
	Politics of Maharashtra	Full Marks	80	3	20	1	100	4
Major (DSC)Paper II (PS-02)	Politics of Manarashtra	Pass Marks	32	1	8	0.5	40	2
1.1. (DCC)D	Commenting Deliving	Full Marks	80	3	20	1	100	4
Major (DSC)Paper III (PS-03)	Comparative Politics	Pass Marks	32	1	8	0.5	40	2
		Full Marks	80	3	20	1	100	4
Major Elective (DSC)Paper IV (PS-	Public Administration	Pass Marks	32	1	8	0.5	40	2
04)	Ancient & Mediaeval Indian Political Thought	Full Marks	80	3	20	1	100	4
		Pass Marks	32	1	8	0.5	40	2
	Local Self Government	Full Marks	80	3	20	1	100	4
		Pass Marks	32	1	8	0.5	40	2
	Feminist Political Theory	Full Marks	80	3	20	1	100	4
		Pass Marks	32	1	8	0.5	40	2
	Human Rights	Full Marks	80	3	20	1	100	4
· · · · · · · · · · · · · · · · · · ·	Tullian Rights	Pass Marks	32	1	8	0.5	40	2
	Political Ideology	Full Marks	80	3	20	1	100	4
1 States and		Pass Marks	32	1	8	0.5	40	. 2
linor Paper IV (PS-	Research Methodology	Full Marks	80	3	20	1	100	4
5)		Pass Marks	32	1	8	0.5	40	2
	TOTAL	Full Marks	400	15	100	5	500	. 20
	TUTAL	Pass Marks	160	5	40	2.5	200	8

		MA Part I - Semes	ter 2	3-121-121-C				
			Marks	Credits	Marks	Credits	Marks	Credit
		Full Marks	80	3	20	1	100	4
Major (DSC)Paper I (PS-06)	International Relations	Pass Marks	32	1	8	0.5	40	2
		Full Marks	80	3	20	1	100	4
Major (DSC)Paper II(PS-07)	Western Political Thought	Pass Marks	32	1	8	0.5	40	2
		Full Marks	80	3	20	1	100	4
Major (DSC)Paper III(PS-08)	Political Sociology	Pass Marks	32	1	8	0.5	40	2
		Full Marks	80	3	20	1	100	4
Major Elective	International Law	Pass Marks	32	1	8	0.5	40	2
(DSC)Paper IV(PS- 09)	Political Anthropology	Full Marks	80	3	20	1	100	4
1	1	Pass Marks	32	1	8	0.5	40	2
	India's Foreign Policy	Full Marks	80	3	20	1	100	4
		Pass Marks	32	1	8	0.5	40	2
	Theory & Practice of Diplomacy	Full Marks	80	3	20	1	100	4
		Pass Marks	32	1	8	0.5	40	2
	State Politics in India	Full Marks	80	3	20	1	100	4
		Pass Marks	32	1	8	0.5	40	2
	Public Policy in India	Full Marks	80	3	20	1	100	4
		Pass Marks	32	1	8	0.5	40	2
UT.	Field Work Project	Full Marks			100	04	100	04
		Pass Marks			50	02	20	02
P							'	
		Full Marks	400	12	230	08	500	20
	TOTAL	Pass Marks	128	04	82	04	180	10

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SEMESTER- II

		Teaching Scheme (Hrs/Week)	heme Examination Schone										
Paper Code	Major Papers			Max N	larks		Min. Passing Marks						
PGHEC	•	Theory / Practical	Credit	University Assessment	Practical / College Assessmen t	Total Marks	UA+CA (Theory) Marks	Practical / Internal (Mark)	Total				
PGHEC T6	Paper I - Consumer Education	4	4	80	20	100	32+08	- 1	40				
PGHEC T7	Paper II – Extension Education	4	4	80	· 20	100	32+08	-	40				
PGHEC T8 (P-II)	Paper III – Diet Therapy	4+2=6	4	60	25/15	100	24+06	10	40				
PGHEC T9	Paper IV – OJT	4	4	50	50	100	20	20	40				
	Elective Papers (Any one)												
PGHEC	I-Statistics				1		-						
T10	II - Banking Sector												
	III - Food & Nutrition		4	80	20	100	32+08		40				
	IV – Community Development	4	4	80	20	100	32708	a.,	40				
	V - Housing and Interior	1											
Total	22	20	20	320	150	500	190	30	200				

	Course Code	Sem - II						
Major (DSE)	MASOC201	1) Theoretical Perspectives in Sociology						
	MASOC202	2)Gender and Society						
	MASOC203	3) Sociology of Kinship marriage and Family4×3 (Any Choose three)						
Major Elective (DSE)	MASOC204	1)Social Psychology						
	MASOC205	2)Women in Indian society						
	MASOC206	3)Social Anthropology						
	MASOC207	4)Sociology of migration						
	MASOC208	5)Sociology of tribal Society						
	MASOC209	6)Sociology of mass communication						
	MASOC2010	7)Agrarian Society change in India						
	MASOC2011	8)Sociology of India						
	MASOC2012	9)Urban Society in India						
	MASOC2013	10)Social Problems in Contemporary India						
	MASOC2014	11)Sociology of Environment and Society						
		4×1 (Any Choose One)						
Minor								
TLO		4×1						
RP								

Barry: Warny sole the

DSC: Discipline/Department Specific Courses

DSE: Discipline Specific Elective Courses

OJT: On Job Training

RM: Research Methodology

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Name P.G.: Marathi Literal Name P.G.: Marathi Literal Name P.G.: Marathi Literal SEM - I SEM - II I select any one I select any one I Credit Research Methodology Credit 1 1 1 1 2 4 2 4 2 4 3 6 3 6 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4							
Gondwana University, Gadchiroli. Name P.G.: Marathi Litera SEM -1 SEM -1 Credit Research Methodology Credit v A attract un - v 1 4					Note:- Student shall select any one		३. वाङ्मय प्रकार – कादंबरी
Gondwana University, Gadchiroli. Name P.G.: Marathi Literal Name P.G.: Marathi Literal Image Post Graduate Program SEM - I SEM - I Credit Credit Regular Post Graduate Program Image SEM - I Credit Credit Credit Credit Credit Credit Credit A credit Credit A credit Credit Credit A credit A credit A credit Credit A credit					५. अर्वाचीन मराठी ललित गद्य		
Gondwana University, Gadchirolı. Name P.G.: Marathi Literal SEM - I Credit Research Methodology Credit A al alştru yatte – alaştru yatte – a				1	लेकसाहित्य भाग –	(4x3) 12	पाइनप प्रपार अर्वाचीन मराठी व
Gondwana University, Gadehiroli. Name P.G.: Marathi Literal Name P.G.: Marathi Literal Name P.G.: Marathi Literal Name P.G.: Marathi Literal SEM - I SEM - I Credit Research Methodology Credit anory) Credit Research Methodology Credit and atspan ats	20	4		2	1		
Jondwana University, Gadchiroli. Name P.G.: Marathi Literal Name P.G.: Marathi Literal SEM - I SEM - I SEM - I Credit Research Methodology Credit atory) Credit Q. aria atgreat yate – atora talfera I I 2. अत्तमवादिव 1 I I I 3. मयठी वैचारिक साहित्य भाग – १ 4 I I (A3) 12 २. लंकस्साहित्य भाग – १ 4 I I (A3) 12 २. लंकस्साहित्य भाग – १ 4 I I (A3) 12 २. लंकस्साहित्य भाग – १ 4 I I (A3) 12 २. लंकस्साहित्य भाग – १ 4 I I (A3) 12 २. लंकस्साहित्य भाग – १ 4 I I (A3) 12 २. लंकस्साहित्य भाग – १ 4 I I (A4) २. लंकस्साहित्य भाग – १ 4 I I (A5) 12 २. लंकस्साहित्य भाग – १ 4 I I (A5) 12 २. लंकस्साहित्य भाग – १ 4 I I (A5) 12 २. लंकस्साहित्य भाग – १ 4 I I (A5) 12 २. लंकस्साहित्य भाग – १ 1 I I <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>१. भाषाविज्ञान</td>							१. भाषाविज्ञान
Gondwana University, Gadchiroli. Name P.G.: Marathi Literal Name P.G.: Marathi Literal Name P.G.: Marathi Literal Two Years Regular Post Graduate Program SEM - I SEM - I atory) Credit Elective Credit Research Methodology Credit atory) Credit 1 1 1 1 2. अत्वित प्राचनि २. आत्मचरिक साहित्य भाग - १ 4 1 4 . प्राचनि माठी नेवाहित्य भाग - १ 4 4 4 4 . प्राचनि माठी गठा . प्राचनि माठी गठा 4 4 4 . प्राचनि माठी गठा . प्राचनि माठी गठा 4 4 4 . प्राचनि माठी गठा . प्राचनि माठी गठा 4 4 4 . प्राचनि माठी गठा . SEM - II Elective Credit On Job Training /Field Credit					नवे वाङ्मय प्रवाह –	0.000	
Gondwana University, Gadchiroli. Name P.G.: Marathi Litera Name P.G.: Marathi Litera Itera Two Ycars Regular Post Graduate Program SEM - I SEM - I A credit Credit A antera trafta 1 A anta antera trafta A A anta anta trafta A A anta anta trafta A A anta anta trafta A <td></td> <td>Credit</td> <td>On Job Training / Field Project (OJT/FP)</td> <td>Credit</td> <td>Elective</td> <td>Credit</td> <td>Major (Mandatory)</td>		Credit	On Job Training / Field Project (OJT/FP)	Credit	Elective	Credit	Major (Mandatory)
Gondwana University, Gadchiroli. Name P.G.: Marathi Litera Name P.G.: Marathi Litera Name P.G.: Marathi Litera SEM - I Credit Research Methodology Credit 1 1 1 2. त्रोक साहित्य भाग – १ 4 4 4. प्राचीन मराठी गठा 4 4 Note:- Student shall select any one from above group 4 4	Total				SEM - 11		
Gondwana University, Gadchiroli. Name P.G.: Marathi Litera Name P.G.: Marathi Litera Name P.G.: Marathi Litera Image P.G.: Marathi Litera Ima					Note:- Student shall select any one from above group		३. वाङ्मय प्रकार — नाटक
Gondwana University, Gadchiroli. Name P.G.: Marathi Litera Name P.G.: Marathi Litera Name P.G.: Marathi Litera Image: Noversity, Gadchiroli. Name P.G.: Marathi Litera Name P.G.: Marathi Litera Image: Noversity, Gadchiroli. Name P.G.: Marathi Litera SEM - I SEM - I Credit Lective 2. Artaft वाइमय प्रवाह – दलित साहित्य २. आतमचर्गि २. लोकसाहित्य भाग – १ Credit Research Methodology Credit 1 1 1 1 4 1 4					५. प्राचीन मराठी गद्य		
Gondwana University, Gadchiroli. Name P.G.: Marathi Litera Name P.G.: Marathi Litera Two Years Regular Post Graduate Program SEM - I SEM - I Credit Regular Post Graduate Program Image: SEM - I A Image: Sem - I Image:	*				लेकसाहित्य भाग –	(4x3) 12	व मध्यपुगीन कविता
Gondwana University, Gadchiroli. Name P.G.: Marathi Litera Name P.G.: Marathi Litera Two Years Regular Post Graduate Program SEM - I SEM - I A SEM - I A Elective Iatory) Credit Elective Credit & 2. आत्मचर्रिव 1 1	20	4		4	1		तादमय प्रकार – कविता –
Gondwana University, Gadchiroli. Name P.G.: Marathi Litera Name P.G.: Marathi Litera Two Years Regular Post Graduate Program SEM - I SEM - I Elective Elective Credit Research Methodology Credit १. नवे वाङ्मय प्रवाह – दलित साहित्य 1							
Gondwana University, Gadchiroli. Name P.G.: Marathi Litera Humanities Two Years Regular Post Graduate Program SEM - I A SEM - I Iatory) Credit Elective Credit Credit	ž				वाङ्मय प्रवाह – दलित	2 ⁴ -	
Gondwana University, Gadchiroli. Name P.G.: Marathi Litera Humanities Two Years Regular Post Graduate Program SEM - I SEM - I	Crean		Research Methodology	Credit		Credit	Major (Mandatory)
Gondwana University, Gadchiroli. Name P.G.: Marathi Two Years Regular Post Graduate Program	Total	Credit					
Gondwana University, Gadchiroli. Humanities			ogram		wo Years Regular Post Grad		
	ICI atur e	1.	Name P.G.:				
	itersture			adchiro	Gondwana University, Ga		

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	Gon	dwana University	y , Gad	chiroli.					
Faculty Name :	Name P.G.: M.A. Economics								
	Two	Years Regular Post Gr	aduate	Program					
SEM - I									
Major (Mandatory) Credit		Elective	Credi t	Research Methodolog y	Credi t	Total Credit			
MAECO1001 Micro Economic Analysis - I MAECO1002 Macro Economic (4x3)		MAECO1004 - Agricultural Economics MAECO1005 - Statistics for Economics - I MAECO1006 - Environmental Economics	_	MAECO1009					
Analysis - I	(4x3) 12	MAECO1007 - Rural Development	4	Research Methodology	4	20			
MAECO1003		MAECO1008 - Money and Banking	_						
Public Economics		Note:- Student shall select any one from							
		above group							
	1	SEM - II		1	1	1			
Major (Mandatory) Credi		Elective	Credit	On Job Training /Field Project (OJT/FP)	Credit	Total Credi t			
MAECO2001 Micro Economic Analysis - II		MAECO2004 - Labor Economics MAECO2005 - Statistics							
MAECO2002 Macro Economic		For Economics - II MAECO2006 - Welfare Economics		MAECO2009 OJT	4	20			
MAECO2003	(4x3) 12	MAECO2007 - Economics of Marketing MAECO2008 - Financial Institutions and	4	Internship, Apprenticesh ip or Field Projects					
Industrial economics		Markets Note:- Student shall select any one from above group							

GONDWANA UNIVERSITY, GADCHIROLI FACULTY OF COMMERCE

Two Years Regular Post-Graduate Program: Master of Commerce (M. Com.) Semester II

Course and Examination Scheme 2023-2024

Area Subject Code	Subjects		Teaching Scheme Weekly Hours			Examination Scheme Theory					
											Total No.
				02 MCOM 101	1. Advanced Cost Accounting	05		05	04	03	80
Major :	02 MCOM 102	2. Co-operation and Rural Development	04		04	04	03	80	20	100	40
Mandatory Course	02 MCOM 103	3. Computer Application in Commerce	04		04	04	03	80	20	100	40
	02 MCOM 104	1. Advanced Human Resource Management			04	04	03	80	20	100	40
	02 MCOM 105	2. Agriculture Economics	04		04	04	03	80	20	100	40
	02 MCOM 106	3. Rural Marketing	04		04	04	03	80	20	100	40
	02 MCOM 107	4. Rural Finance	04		04	04	03	80	20	100	40
02 MCOM 110 02 MCOM 111 02 MCOM 112 02 MCOM 113 02 MCOM 113 02 MCOM 114 On Job 02 MCOM 115	02 MCOM 108	5. Advanced Banking	04		04	04	03	80	20	100	40
	02 MCOM 109	6. Advanced Insurance	04		04	04	03	80	20	100	40
	02 MCOM 110	7. Cyber Security	04		04	04	03	80	20	100	40
	02 MCOM 111	8. Statistical Analysis Using MS-Excel	04		04	04	03	80	20	100	40
	02 MCOM 112	9. Business Regulatory Framework	04		04	04	03	80	20	100	40
	02 MCOM 113	10.Fundamental of Tourism Management	04		04	04	03	80	20	100	40
	02 MCOM 114	11.Co-operative Housing Society Procedure and Practice	04		04	04	03	80	20	100	40
	02 MCOM 115	On Job Training and Training Report	04	1	04	04		50 (External)	50 (Internal)	100	40
Training/ Field Project	02 MCOM 116	Field Project (On any Topic of Major/Elective Subjects of Semester I and Semester II)	04		04	04		50 (External)	50 (Internal)	109	40

L= Lectures, T=Theory, ESE= End Semester Examination, IE=Internal Evaluation

NOTE :- External Examiner to be allocated by Gondwana University for the Major Course Subject Computer Application in Commerce

Frhussandir Sowliger Dr.R.K. Sowliger 44

(Dr. U.T. Kamble) Accel: Karnedi (Dr. U.T. Kamble)

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