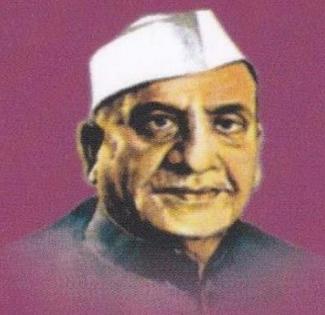


Criterion – I- Curricular Aspects



Shri Shivaji Education Society, Amravati's
**MAHATMA FULE ARTS, COMMERCE &
SITARAMJI CHAUDHARI SCIENCE MAHAVIDYALAYA, WARUD**
(NAAC Reaccredited with 'B' Grade)



AQAR 2023-24

Criterion 1
Curricular Aspects

Curricular Planning and Implementation

QIM – 1.1.1

**The Institution Ensures Effective Curriculum
Delivery through a Well-Planned and
Documented Process**

1.1.1 The Institution ensures effective curriculum delivery through a well-planned and documented process

Criterion – I- Curricular Aspects


Shri. Shivaji Education Society, Amravati's
**Mahatma Fule Arts, Commerce & Sitaramji
Chaudhari Science Mahavidyalaya, Warud.**
Dist. Amravati – 444 906 (07229) 232022
NAAC Reaccredited with "B" Grade CGPA 2.24 (IIIrd Cycle) (2021-2026)

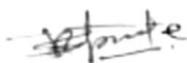
President Hon'ble Harshavardhan P. Deshmukh	Principal Dr. Dilip. V. Hande M.Sc. (Botany), Ph.D., FMSI	Founder President Dr. Panjabrao alias Bhausaheb Deshmukh M.A., D.Phil., L.L.D., Bar-At-Law
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College Code: 104 || Email: mfn1_warud@rediffmail.com || Website: <https://mfulecollegewarud.ac.in>

Declaration Letter

This is to certify that, the information, reports, true copies of the supporting documents, numerical data, etc. furnished in this document are verified by the college IQAC and found correct.

Hence this certificate.


(Dr. S. V. Satpute)
IQAC Coordinator
Mahatma Fule Arts, Commerce and
Sitaramji Chaudhari Science
Mahavidyalaya, Warud, Dist. Amravati




(Dr. D. V. Hande)
PRINCIPAL,
Mahatma Fule Arts, Com & Sitaramji
Chaudhari Science Mahavidyalaya,
Warud, Dist. Amravati


Dr. G. k. Reddy
HOD
Incharge HOD
Department of M.Sc.(Computer Sci.)
Mahatma Fule Arts, Commerce &
Sitaramji Chaudhari Sci. Mahavidyalaya
Warud, Dist. Amravati


Head
Deptt. of Zoology
Mahatma Fule Arts & Comm &
Sitaramji Chaudhari Science Mahavidyalaya
Warud, Dist. Amravati

Documentation Coordinator

Criterion I - Coordinator

Criterion – I- Curricular Aspects

Contents

1. Diary / Microplanning	Page 4 - 27
2. Departmental Meeting (All Department)	Page 28-43
3. Allotment of Unit/paper (Sample)	Page 44-45
4. Internal Assignments (Sample)	Page 46
5. Departmental Library (Sample)	Page 47-48
6. Time Table (Sample)	Page 49-50


(Dr. G.N. Chaudhari)
Principal
G.N. Chaudhari Arts, Commerce & Shiksha
G.N. Chaudhari Science Mahavidyalaya, Warud

Criterion – I- Curricular Aspects

Shri Shivaji Education Society Amravati's



**Mahatma Fule Arts, Commerce &
Sitaramji Chaudhari Science Mahavidyalaya
Warud**

Dist. Amravati (M.S.) 444 906

Phone : 07229-232022
website : www.mfulecollegewarud.org
email : mfm1_warud@rediffmail.com

ACADEMIC DIARY

2023-2024

Name : L. S. PAWAT
Designation : ASSO. PROF.
Department : MATHEMATICS
Address : M.F. COLLEGE WARUD
Mob. :

Criterion - I- Curricular Aspects

Annual Plan :

Session : 2023-2024 Class : 13.A.I (A) sem.I

Subject : Marathi Paper / Unit : _____

Approximate Theory Periods required : 04

Approximate Practical Periods required : —

Sr. No.	Unit	Micro planning for topic to be covered in each unit	Lectures required	Duration/ Months
१	विभाग अ वैचारिक	१) माझे लीन गुरू व लीन दैवते २) सत्यशोधक पंढरीनाथ पारधी आणि महात्मा फुले यांचे चरित्र ३) छत्रपती शिवाजी यांची प्रशासन व्यवस्था	१२	
२)	विभाग ब सहित	१) जनानी जयपुरी २) गठी ३) वाघापूर पॅटर्न	१२	
३	विभाग क काविते	१) संतवाणी अ संत ज्ञानेश्वर ब संत सावली माळी २) नवा शिपाई ३) या भारतात बंधूभाव नित्य वसू दे ४) विमान ५) पोशिंदा ६) आत्मकथन	११	
४	विभाग ड उपयोजित मराठी	१) लेखनविषयक नियम २) मुद्रित शोधन	१० <hr/> ४५	

Criterion - I- Curricular Aspects

Annual Plan :

Session : 2023-2024 Class : B.A.I.B sem:- I

Subject : Marathi Paper / Unit :

Approximate Theory Periods required : 04

Approximate Practical Periods required : -

Sr. No.	Unit	Micro planning for topic to be covered in each unit	Lectures required	Duration/ Months
१)	विभाग अ वैचारिक	१) माझे तीन गुरू व तीन देवता २) सत्यशोधक पंढरीनाथ पारोले आदी महात्मा फुले यांचे चरित्र ३) छत्रपती शिवरायांची प्रशासन व्यवस्था	१२	१२
२)	विभाग ब ललित	१) जमाना जयपूरी २) राही ३) वाधापूर पॅटर्न	१२	१२
३)	विभाग क कविता	१) संतवाणी अ संत झामेश्वर ब) संत सावता भाळी २) नका शिपार्ई ३) या भारतात वंद्युभाव मित्छ वसू दे ४) विमान ५) पोशिंदा ६) अतिक्रमण	११	११
४)	विभाग ५ उपयोजि मराठी	१) लेखनाविषयक नियम २) मुद्रित शोधन	१०	१०

Criterion - I- Curricular Aspects

Annual Plan :

Session : 2023-2024 Class : B.A.I.A - sem - II

Subject : Marathi Paper / Unit : वार्तापत्र

Approximate Theory Periods required : 104

Approximate Practical Periods required : —

Sr. No.	Unit	Micro planning for topic to be covered in each unit	Lectures required	Duration/ Months
१	विभाग अ वैचारिक	१) हा विद्येचा समय आहे २) राष्ट्रसंत व राष्ट्रपिता ३) शिक्षणावीवार मातुस धांडाच	१२	
२)	विभाग ब ललित	१) जागल २) हिरवा तपस्वी ३) कस्तुरी	१२	
३	विभाग क कावित	१) संतवाणी अ संत एकनाथ ब संत तुकाराम ३) रांगुई ४) बाप तावर पेशते ५) आ काहरी संवेदनेशी मुळून घेताना	१३	
४)	विभाग ड उपयोगी मराठी	१) कार्यालयीन पत्रव्यवहार २) स्व-परिचयपत्र व नोकरी- साठी अर्जलेखन	१० ४५	


 (Dr. G.N. Chaudhari)
 Principal
 Suna Fule Arts, Commerce & Shiksha
 Chaudhari Science Mahavidyalaya, Warud

Criterion – I- Curricular Aspects

Shri Shivaji Education Society Amravati's



Mahatma Fule Arts, Commerce & Sitaramji Chaudhari Science Mahavidyalaya Warud

Dist. Amravati (M.S.) 444 906

Phone : 07229-232022
website : www.mfulecollegewarud.org
email : mfm1_warud@rediffmail.com

ACADEMIC DIARY

2023-2024

Name : Dr. M. B. Bobade
Designation : Associate Prof.
Department : Botany
Address : Chandas - Wathoda
Mob. : 7666383193

Criterion - I- Curricular Aspects

Annual Plan :

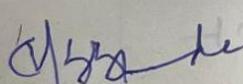
Session : 2023 - 2024 Class : B.Sc - III SVI

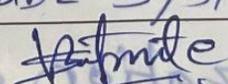
Subject : Botany Paper / Unit : I & II

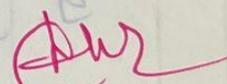
Approximate Theory Periods required : 30

Approximate Practical Periods required : 15

Sr. No.	Unit	Micro planning for topic to be covered in each unit	Lectures required	Duration/ Months
	I	<u>DNA as Genetic Material</u>		
		1. Griffith Expt, Hershey/Chase		
		2. D.N.A chemical composition		
		3. D.N.A Replication Eukaryotes		
		4. D.N.A. Packaging, Nucleosome Solenoid model. -	15	
		5. Satellite, Repetitive D.N.A		
		6. Transposable elements		
		7. A-C D.S System in maize		
	II	<u>Gene structure, Expression</u>		
		1. Fine structure of gene		
		2. Gene Expression in pro & Eukaryotes		
		3. Central dogma, Genetic code, Ribosome, Types of R.N.A	15	
		4. Translation in Eukaryot		
		5. Endomembrane system		


 Teacher


 Head
 Department of Botany
 M.F.Arts, Comm. & S.C.


 Principal

Criterion - I- Curricular Aspects

Annual Plan :

Session : 2023 - 2024 Class : B.Sc - III

Subject : Botany Paper / Unit : III

Approximate Theory Periods required : 15 (Th) 15 (P)

Approximate Practical Periods required : 15

Sr. No	Unit	Micro planning for topic to be covered in each unit	Lectures required	Duration Month
	<u>III</u>	<u>Metabolism & Growth</u>		
		1. Nitrogen metabolism - Sources of Nitrogen, Symbiotic N ₂ fixation, Role of nitrate Reductase, Growth - phases of growth, Growth Curve, Physiological Role of growth hormone, Auxin, Cytokinin, Gibberellic Acid, Ethylene, Abscisic Acid.	15	
		2. Physiology of Abscission, Senescence & Role...		
	<u>PRAC</u>	<u>PRACTICALS</u>		
		1. To study effect of temp, organic solvent on p.m.		
		2. Ascent of Sap		
		3. Separation of chl a pigm	15	
		4. Fermentation		
		5. Exo and Endo Osmosis		
		6. Evolution of CO ₂ in Resp		
		7. Study of morphol/Ana Adaptation		

Criterion - I- Curricular Aspects

Annual Plan :

Session : 2023-2024 Class : B.Sc-II-54

Subject : Botany III Paper / Unit : I

Approximate Theory Periods required : 15

Approximate Practical Periods required : _____

Sr. No.	Unit	Micro planning for topic to be covered in each unit	Lectures required	Duration/ Months
I	<u>Cell Biology</u>	<ol style="list-style-type: none"> 1. Prokaryotic and Eukaryotic Cell 2. Structure and function of Cell wall 3. Structure and Function of P.M 4. Structure of Nucleus 5. Structure and function of chloroplast 	15	
	<u>PRAC</u>	<ul style="list-style-type: none"> - Anatomy of Angiosperm - Taxonomy of 10 plants - permanent slide - Spotting - Long and short excursion - P.S. Antbee 	15	


 (Dr. G.N. Chaudhari)
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 Jyoti Fule Arts, Commerce & Science
 Chaudhari Science Mahavidyalaya, Warud

Criterion - I- Curricular Aspects

Annual Plan :

Session : 2023-2024 Class : B.Sc - II 53

Subject : Botany Paper / Unit : I & VI

Approximate Theory Periods required : 15

Approximate Practical Periods required : _____

Sr. No.	Unit	Micro planning for topic to be covered in each unit	Lectures required	Duration Months
	<u>I</u>	<u>Angiosperm systematics & Biodiversity</u>		
1.		<u>Pteridosperm, Bennettita Theory</u>		
2.		<u>Botanical Nomenclature Principal, of Rules, Taxo Rank, Type Concept, valid publication</u>		
3.		<u>Herbarium - Concept significance Royal Bota garden kolkata</u>		
4.		<u>Concept of Biodiversity Ex & In-situ Conservation</u>		
5.		<u>Importance of Biodiversity</u>		
	<u>VI</u>	<u>Embryology</u>		
1.		<u>microsporangium</u>		
2.		<u>megasporeangium</u>		
3.		<u>male & female gametophyte</u>		
4.		<u>Double fertilization</u>		
5.		<u>Classification of Embryo</u>		
6.		<u>Types of endosperm</u>		

Criterion - I- Curricular Aspects

Annual Plan :

Session : B.Sc 2023-24 Class : B.Sc - I - S₂

Subject : Botany Paper / Unit : Practicals

Approximate Theory Periods required : 15

Approximate Practical Periods required : _____

Sr. No.	Unit	Micro planning for topic to be covered in each unit	Lectures required	Duration/ Months
	<u>PRA</u>	<u>List of practicals</u>		I
1.		Study Morphology, Anatomy Reproductive parts of Marchantia, Anthoceros pteridophytes - Marsilea Equisetum, Selaginella		
2.		Morphological study of following parts - - - - - Root, stem, leaves, Stipule, Inflorescence Flower, placentation Fruits		
3.		Utilization of plants Food - Wheat pulses - pigeon pea Spices - Cardamum Fiber - Cotton Eukalyptus		

Criterion - I- Curricular Aspects

Annual Plan :

Session : 2023 - 2024 Class : B.Sc - I S1

Subject : Botany Paper / Unit : I & II

Approximate Theory Periods required : 50 15

Approximate Practical Periods required : 10 20 21 II 22 23

Sr. No.	Unit	Micro planning for topic to be covered in each unit	Lectures required	Duration/ Months	Sr. No.
	I	Prion, Viroids, Viruses, Mycoplasma, Eubacteria, Archeobacteria cyanobacteria General characteristic & Types of viruses, structure of TMV, SARS, Replication of viruses, lytic, lysogenic Economic Importance of viruses with reference to vaccine production. General characteristic & Economic Importance of Archeobacteria. Bacteria - characteristic, cell structure, reproduction, economic importance with reference to Indus, fermentation, medicine	15	July to Sep 2023	
	II	characteristic of cyanobacteria Introduction to cryptogams General characteristic Algae with reference to habitat, thallus organization, pigmentation		Sep 23	



(Dr. G.N. Chaudhari)
Principal

Mauna Fule Arts, Commerce & Shiksha
Chaudhari Science Mahavidyalaya, Warud

Criterion – I- Curricular Aspects

Shri Shivaji Education Society Amravati's



**Mahatma Fule Arts, Commerce &
Sitaramji Chaudhari Science Mahavidyalaya
Warud**

Dist. Amravati (M.S.) 444 906

Phone : 07229-232022
website : www.mfulecollegewarud.org
email : mfm1_warud@rediffmail.com

ACADEMIC DIARY

2023-2024

Name : Dr Ramesh S. Wadbude
Designation : Professor
Department : Mathematics
Address : M.F. Mv. Warud
Mob. : 9423051140

Criterion - I- Curricular Aspects

Annual Plan :

Session : 2023-2024 Class : B.Sc. I

Subject : Mathematics Paper / Unit : I st

Approximate Theory Periods required : _____

Approximate Practical Periods required : _____

Elements of Trigonometry and Algebra.

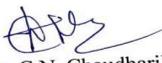
Sr. No.	Unit	Micro planning for topic to be covered in each unit	Lectures required	Duration Months
I	I	matrices: def ⁿ : Adj, transpose properties of determinant, Normal form.	18	
II	II	Theory of equations: Descart's rule of signs, relation between roots and coefficients of cubic eq ⁿ . Cayley's Hamilton's theorem. Cardan's method	20	
III	III	Rank of matrix: Eigenvalue, and Eigenvector, Cayley's-He. Theorem.	20	
IV	IV	De-Moivre's theorem (DMT) relation between circular functions and Hyperbolic function. Separation of real and imaginary parts. inverse function.	20	
V	V	Series: Gregory's Series, Euler's series, Machin's series, Rutherford series. function of $\cos x$, $\sin x$, $\cosh x$, $\sinh x$. expansion	12	

Criterion - I- Curricular Aspects

Annual Plan :
 Session : 2023-2024 Class : B.Sc III
 Subject : Mathematics Paper / Unit : XI
 Approximate Theory Periods required : _____
 Approximate Practical Periods required : _____

Linear Algebra

Sr. No.	Unit	Micro planning for topic to be covered in each unit	Lectures required	Duration/ Months
I		Def ⁿ of vector space - Algebra of vector subspace, span. L.I. and L.D. Dimension of vector space, Basis of vector space.		I
II		Linear transformation of vector space: standard basis of vector space.		II
III		Dual space, bidual, Annihilator, Examples on dual space. Conjugate dual space A^* .		III VI
IV		Inner product space: Def ⁿ , Algebra of IPS, orthogonal IPS, Gram-Schmidt, orthogonal processes.		V
V		Modules: Def ⁿ , Examples, submodule, unital module, Homomorphism of module, Fundamental Theorem of Module, Free module.		


 (Dr. G.N. Chaudhari)
 Principal
 June Fule Arts, Commerce & Shiksha
 Chaudhari Science Mahavidyalaya, Warud

Criterion – I- Curricular Aspects

Shri Shivaji Education Society Amravati's



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Sitaramji Chaudhari Science Mahavidyalaya
Warud**

Dist.Amravati (M.S.) 444 906

Phone : 07229-232022
website : www.mfulecollegewarud.org
email : mfm1_warud@rediffmail.com

ACADEMIC DIARY

2023-2024

Name : Dr. Priyanka U. Belsare
Designation : Assistant Professor
Department : Chemistry
Address : M.F.C., Warud.
Mob. : 8605009412

Criterion - I- Curricular Aspects

BSc- II (Sem-III)

Annual Plan : _____ Class : _____

Session : 2023-24 Paper / Unit : II

Subject : Chemistry (Inorg.)

Approximate Theory Periods required : _____

Approximate Practical Periods required : _____

Sr. No.	Unit	Micro planning for topic to be covered in each unit	Lectures required	Duration/ Months
	II	<p><u>A] p-Block Elements -</u> Comparative study of 16th & 17th group elements with reference to electronic configuration, ionization energy & oxidation states. Oxidizing properties of halogens with reference to oxidation potential, interhalogen compounds, structure & bondings. Introduction to fluorocarbons.</p> <p><u>B] Chemistry of elements of transition series:</u> Def. of transition Elements. General Characteristics of T.E. Comparative study of first T.S. elements (3d) with reference to following properties: i) Electronic configuration ii) Atomic & Ionic size. iii) Ionization energy iv) Metallic nature v) O.S. vi) Mag. properties vii) Colour of salts viii) Catalytic properties ix) Complex formation behaviour. Study of 4d & 5d series elements. E.C. Comparison of 3d, 4d & 5d series elements with reference to O.S., M.P. & Colour.</p>	<p>06</p> <p>08</p>	

Criterion – I- Curricular Aspects

Annual Plan :
 Session : 2023 - 24 Class : BSc - II (Sem-IV)
 Subject : Chemistry Paper / Unit : IV
 Approximate Theory Periods required : _____
 Approximate Practical Periods required : _____

Sr. No.	Unit	Micro planning for topic to be covered in each unit	Lectures required	Duration/ Months
	<u>IV</u>	<p>A. Aromatic Nitro Compound . 4.1: Aromatic Nitro Compds. 4.2. Synthesis of Nitrobenzene from Benzene (nitration) 4.3. Nitrating Agents. 4.4. Laboratory Prepⁿ of Nitrobenzene from Benzene. 4.5. Redⁿ of Nitrobenzene under different condition.</p> <p>B. Amino Compound 4.6. Basicity 4.7. Structure - Basicity Relationship of Amines 4.8. Methods of Prepⁿ of Aniline (Arylamine from Nitrobenzene) 4.9. Reactions of Aniline 4.10. Hoffmann's Exhaustive Methylation / Alkylation of Amines</p> <p>C. Diazonium Salt 4.11. Nomenclature 4.12. Prepⁿ of Benzene Diazonium Chloride. 4.13. Synthetic Applications of Benzenediazonium Chloride</p> <p>D. Amino acids & Proteins 4.14. Classification of Amino acids 4.15. Synthesis of α-Amino acids 4.16. General Physical Properties of Amino acids 4.17. Peptides 4.18. Synthesis of Polypeptides 4.19. Sto. Determination of Polypeptide by End gr. Analysis</p>	<p>04</p> <p>03</p> <p>03</p> <p>03</p>	

HEAD
 Dept. of Chemistry
 M. F. Arts, Com & Sitaramji
 Chaudhari Science Mahavidyalaya, Warud


 (Dr. G.N. Chaudhari)
 Principal
 Sitaramji Mahavidyalaya, Warud
 Chaudhari Science Mahavidyalaya, Warud

Criterion - I- Curricular Aspects

Annual Plan :
 A Session : 2023-2024 Class : B.Sc II (SEM III)
 Se Subject : Physics Paper / Unit : I
 Su Approximate Theory Periods required : 12
 A1 Approximate Practical Periods required : 10
 A1

Sr. No	Unit	Micro planning for topic to be covered in each unit	Lectures required	Duration/ Months
	<u>I</u>	<u>Thermodynamics</u> * Laws of thermodynamics * General form of Maxwell Relations * Thermodynamic Potentials * Appl ⁿ of Maxwell thermodynamic relations * Clausius - Clapeyron's Latent Heat eq ⁿ using Maxwell thermodynamic relation * Tds Equations * Specific Heat	01 02 02 02 02 02 02	July - Sept
		<u>List of Experiment SEM III (23-24)</u>		July - Oct
		① To study characteristic of PN Junction diode	01	
		② To study Half wave rectifier using P ⁿ junction diode	01	
		③ To study Variation of gain with load	01	
		④ To study characteristics of NPN transistor in CE configuration	01	
		⑤ ————— " ————— CB Configuration	01	
		⑥ To study characteristics of FET	01	
		⑦ To der ⁿ Eg using PN Junction diode	01	
		⑧ To study Zener diode as a voltage regulator	01	
		⑨ To study characteristics of Zener diode	01	
		⑩ To study ————— " ————— LED	01	

Criterion – I- Curricular Aspects

Annual Plan :
 Session : 2023-2024 Class : B.Sc I (SEM I)
 Subject : Physics Paper / Unit : II
 Approximate Theory Periods required : 12
 Approximate Practical Periods required : 10

Sr. No.	Unit	Micro planning for topic to be covered in each unit	Lectures required	Duration/ Months
	II	* Rigid body * Theorem of \perp er Axes } * Theorem of \parallel er Axes } * M. I. of Uniform rod about axis \perp er to its length } * M. I. of an axis passing th' one end of rod \perp er to its length } * M. I. of Ring * M. I. of uniform circular disc * M. I. of solid cylinder * M. I. of solid sphere * M. I. of hollow sphere	01 01 01 02 01 01 01 02 01 01	July - Aug.


 (Dr. G.N. Chaudhari)
 Principal
 G.N. Chaudhari Science Mahavidyalaya, Warud

Criterion - I- Curricular Aspects

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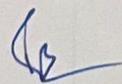
Session : 2023-24 Class : B. Sc II Sem (IV) (CBCS)

Subject : Physics Paper / Unit : _____

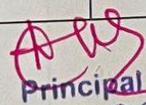
Approximate Theory Periods required : _____

Approximate Practical Periods required : 10

Sr. No.	Unit	Micro planning for topic to be covered in each unit	Lectures required	Duration/ Months
		<u>List of Experiment Sem IV (CBCS)</u>		<u>Jan - March</u>
①		To determine the Wavelength of sodium light by Newton's rings	01	
②		To determine dispersive power ^{refractive index} of material of a given material by double image prism	01	
③		To determine the Wavelength of sodium light by Plane diff. grating	01	
④		To determine the resolving power of Telescope.	01	
⑤		Study of Phase shift oscillator	01	
⑥		Study of Hartley oscillator	01	
⑦		Study of Wein-Bridge oscillator	01	
⑧		To study OP-Amp as an Inverting Amplifier	01	
⑨		To study OP-Amp as a Non-Inverting Amplifier	01	
⑩		To study OP-Amp as an Adder	01	

Teacher: 

Head
Deptt. of Physics
Mahatma Fule Arts, Com & Sitaraji
Chaudhari Science Hall, Warud,
Warud, Dist. Amravati

Principal

Mahatma Fule A.C. & Sitaraji
Chaudhari Science College, Warud

Criterion – I- Curricular Aspects

Annual Plan :

Session : 2023-24 Class : B.Com I Sem I

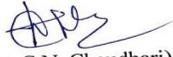
Subject : PBM Paper / Unit : PBM

Approximate Theory Periods required : 60

Approximate Practical Periods required : —

Sl. No	Unit	Micro planning for topic to be covered in each unit	Lectures required	Duration/ Months
	I	Management - Concept, Def. Importance, thoughts, Schools, Contribution of - F.W. Taylor, Henry Fayol, Elton Mayo	12	
	II	Planning - Concept, meaning, Importance, Objectives, forecasting & Planning, Planning Process.	12	
	III	Organizing - Concept, Nature, Meaning, Importance, Principles, Line, staff & Departmentalization.	12	
	IV	Directing - Concept, Meaning, Definition & Importance, Nature of Direction, Advantages & Disadvantages, Motivation - Concept, Meaning, Importance, Coordination - Meaning & Principles,	12	
	V	Controlling - Concept, Meaning, Importance, Advantages & Disadvantages, Techniques & tools of Controlling, Process Leadership - Meaning, Concepts & Importance	12	

Mukherjee


(Dr. G.N. Chaudhari)
Principal
Guna Fule Arts, Commerce & Science
Chaudhari Science Mahavidyalaya, Warud

Criterion – I- Curricular Aspects

Sr. No.	Unit	Micro planning for topic to be covered in each unit	Lectures required	Duration/ Months
	I	Money - Barter System, Exchange History, Meaning, Functions, Importance & Kinds of Money	15	
	II	Value of Money - Demand for money - meaning, determination. Demand - Supply, Value of money Fishers Quantity, Theory of Money	15	
	III	Price Fluctuations - Meaning, Causes of inflation, effects of inflation on Indian Economy, Causes of Deflation - Effects of Deflation on Indian Economy	15	
	IV	Money Market - Concept, Objectives, features, structure, Components of Indian Money Market, Functions & Instruments.	15	
	V	Demonitization India India India - History, Concept, Objective, Causes, Merits & Demerits Effects of Demonitization (Nov-2016) on Indian Economy.	15	

Criterion - I- Curricular Aspects

Annual

Session : 2023-24 Class : B.Sc. III and IV
 Subject : Zoology Paper / Unit : _____
 Approximate Theory Periods required : 30 (16)
 Approximate Practical Periods required : 30 (16)

Sr. No.	Unit	Micro planning for topic to be covered in each unit	Lectures required	Duration/ Months	Sr. No.
1	I	<u>Microplanning</u> <u>B.Sc. II - Sem-III</u> 1) Diversity of chordata 2) origin of chordata 3) Type study - Amphioxus 4) Habit and Habitat. character 5) Digestive system, glands 6) Respiration 7) excretory organ 8) Affinities of Amphioxus 9) Affinities of Agnatha 10) Type study - scaliadon 11) Digestive system 12) circulatory system 13) lateral line	= 02 L 01 L 01 L 02 01 01 01 01 01 01 01 01 02 01	1 h. 30 m 45 min 45 min 1 h. 30 m 45 min 45 min 45 min 45 min 45 min 45 min 45 min 45 min 1 h. 30 m 45 mi	2

Criterion – I- Curricular Aspects

Approximate Practical Periods required : 30 (14)

Sl. No	Unit	Micro planning for topic to be covered in each unit	Lectures required	Duration/ Months
2	✓	<u>Microplanning</u> <u>B.Sc. III - sem IV</u>		
		1) Definition, Aquaculture scope, Imp	02 L	1 h 30 min
		2) construction and design of ponds, Type	02 L	1 h 30 min
		3) chinese circular unit	01 L	45 min
		4) use of new generation drug	03 L	2 h 15 min
		5) Type of culture	03 L	2 h 15 min
		6) product / Byproduct	03 L	2 h 15 min

Am
 Head
 Deptt. of Zoology
 Mahatma Fule Arts & Comm. &
 Chaudhari Science Mahavidyalaya
 Ward, Dist. Amravati

Principal
 Principal
 Mahatma Fule Arts, Commerce & Science
 Chaudhari Science Mahavidyalaya

Criterion - I- Curricular Aspects

Page No. :	APTE NRSH
Date :	/ /

2023-24

Meeting NO: 1

Departmental 1st meeting was held on 3rd July, Monday 2023, following members were presents for the same.

- 1) Dr U. R. Chaudhari
- 2) Dr R. P. Ganorkar
- 3) Dr A. K. Wanjari
- 4) Ms. V. N. Gulhane
- 5) Ms. S. R. Koltke
- 6) Dr. P. U. Belsare
- 7) Mr. N. H. Khan

Subject : Confirmation of minutes of the last meeting held on 1st Feb - 2023

Resolution : Proceeding of the last meeting was put and seal, before the meeting. All Subject were discussed and confirmed unanimously

Proposal : Ms. S. R. Koltke

Secunder : Mr. V. N. Gulhane

Action taken : syllabus was distributed unitwise and all staff members completed their syllabus within the prescribed time limit. They also taken the unit test, seminar, project assignment of respective classes. All the teacher completed their syllabus by conducting off line classes.

Criterion - I- Curricular Aspects

Page No. : _____
Date : / /

sub : 2 To discuss and distribution of the theory syllabus.

Resolution: 2 All the staff members discuss on the distribution of UG and PG syllabus in this meeting. The syllabus is distributed unit-wise. It is approved by all the teachers.

class	Group	Unit-I	Unit-II	Unit-III	Unit-IV	Unit-V	Unit-VI
B.Sc I, S-I	A (PCM)	AKW	SRK	PUB	RPG	VNG	UEC
	B (CBZ)	AKW	SRK	PUB	RPG	VNG	UEC
B.Sc II, S-II	math+Bio	AKW	SRK	PUB	RPG	UEC	VNG
B.Sc III, S-III	math+Bio	AKW	SRK VNG	RPG	RPG	VNG SRK	UEC

Distribution of PG. syllabus

class	Paper II	Paper III	Paper IV	Paper V	Paper VI	Practical
M.Sc B sem-I	Boekar madam	Hikhatas Hikhatas madam	khan madam	B.B Deshmukh madam	malik dny madam	phy-chem de N. R. K. S. org. chem de Hikhatas madam
M.Sc-II Sem-III	kumbhar madam	khan madam	B.B Deshmukh madam	Boekar madam	-	org. chem de kumbhar synthesis

Criterion - I- Curricular Aspects

15/7/23

Page No.	
Date	

विभागातील शिक्षकांची सभा दिनांक

नामांक 15/07/2023 शनिवार दुपारी 12:00 वाजता संपन्न

स्थळी: सदर सभेत स्वाक्षित विषयावर चर्चा करण्यात आली.

विषय: १) सत्र २०२३-२४ कुरिता वगळीच्या कार्यभाराबाबत चर्चा करण्याबाबत

विषय: २) विभागातील शैक्षणिक उपक्रम जावळीच्याबाबत चर्चा

विषय: ३) कार्यनियोजन २०२३-२४ कुरिता चर्चा करण्याबाबत

विषय: ४) अनुसंधानाच्या परवानगीने वेळेवर येणारे विषय:

विषय ३: १) सत्र २०२३-२४ कुरिता वगळीच्या कार्यभारावर चर्चा करण्यात आली.

२) सत्र २०२३-२४ वगळीच्या अनुसंधानापत्र कार्यभारावर चर्चा करण्यात आली चर्चेसाठी (अध्यापकांचा कार्यभार स्वाक्षित प्रमाणे सोपविल्यात आले.

मा. डॉ. सी. डी. पारुवे वी. सु. भाग ३. मराठी उपाध्यक्ष
 वी. सु. भाग ३. मराठी वाड. मय
 वी. सु. भाग २. मराठी वाड. मय
 मा. डॉ. सुल. पुस. पवार वी. सु. भाग १ (अ. व. क.) - मराठी उपाध्यक्ष
 वी. सु. भाग २. मराठी उपाध्यक्ष
 मा. डॉ. स्वाली चोरे वी. सु. भाग २. मराठी उपाध्यक्ष
 वी. सु. भाग १ (अ. व. क.) मराठी उपाध्यक्ष
 मा. डॉ. करुणा उदाहरे वी. सु. भाग १ (अ. व. क.) - मराठी वाड. मय
 मा. डॉ. उमेश गडवरे वी. सु. भाग १ (अ. व. क.) - मराठी
 वी. सु. भाग ३ - मराठी

वरील प्रमाणे ताश्चिन्हा अध्यापकांच्या कार्यभार विभागातील शिक्षकांच्या जसेल असे ठरविल्यात आले.

सूचक. मा. सुल. पुस. पवार (स) अनुमोदक. डॉ. सी. वी. उदम

Criterion - I- Curricular Aspects

Page No.	
Date	

विभागांतरित शिक्षक

१) प्रा. सुल्. सुस. पवार

२) प्रा. डॉ. सी. बी. उदम

३) प्रा. डॉ. श्वाली नोरे

४) प्रा. डॉ. अरुणा डाहडे

५) प्रा. सु. आर. दिवकर . - अरुणेशू

महाराष्ट्र विभाग प्रमुख
महात्मा फुले कला, वाणिज्य व सीतारामजी
चौधरी विश्वान महाविद्यालय, वरुड

Criterion - I- Curricular Aspects

Page No. : <u> </u>
Date : / / <u> </u>

Sub: 3 Distribution of Internal Assignment work
Resolution: It is decided unanimously that internal assignment is distributed classwise as follows.

- 1) B.Sc I, sem I & II : → Dr. A.K. Wanjari
- 2) B.Sc II, sem III & IV : → Dr. P.U. Belsare & Ms. S.R. Kotteke
- 3) B.Sc III, sem V & VI : → Dr. R.P. Ganekar and Ms. V.N. Gulhane
- 4) M.Sc I, sem I & II : → Miss. Boekar, B.B. Deshmukh / Ms. U.E. Chaudhari
- 5) M.Sc II, sem I & II : → Miss N.H. Khan / Ms U.E. Chaudhari

Sub: 4 Distribution of Responsibility of Various activity in the deptt.

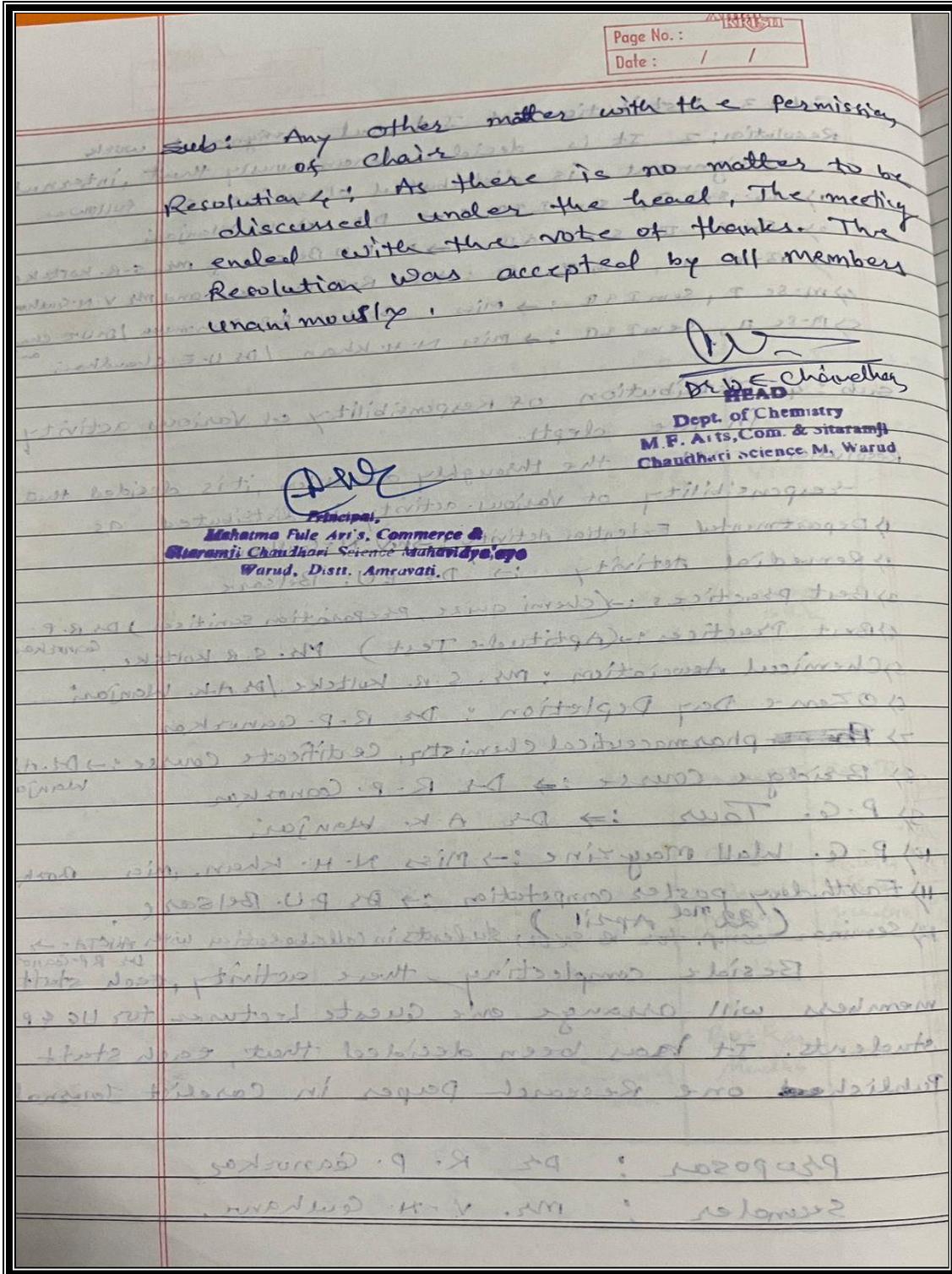
Resolution: After the thoroughly discussion, it is decided that, responsibility of various activity is distributed as

- 1) Departmental Extension Activity : → Ms. N. Gulhane
- 2) Remedial Activity : → Dr. P.U. Belsare
- 3) Best Practices : → (Chem. quiz, Preparation sanitiser) Dr. R.P. Ganekar.
- 4) Best Practices : → (Aptitude Test) Ms. S.R. Kotteke.
- 5) Chemical Association : Ms. S.R. Kotteke / Dr. A.K. Wanjari
- 6) Ozone Day Depletion : Dr. R.P. Ganekar
- 7) ~~Pharmaceutical~~ pharmaceutical chemistry, Certificate Course : → Dr. A.K. Wanjari
- 8) Bridge Course : → Dr. R.P. Ganekar.
- 9) P.C. Tour : → Dr. A.K. Wanjari
- 10) P.C. Wall Magazine : → Miss N.H. Khan, Miss Boekar
- 11) Earthday poster competition : → Dr. P.U. Belsare
- 12) Seminar (22nd April) comp. for B.Sc III students in collaboration with AICTE : → Dr. R.P. Ganekar

Beside completing these activity, each staff members will arrange one Guest Lectures for UG & PG students. It has been decided that, each staff Publish ~~ed~~ one Research paper in Carelist Journal

Proposar : Dr. R. P. Ganekar
Secunder : Ms. V. N. Gulhane.

Criterion - I- Curricular Aspects



Criterion - I- Curricular Aspects

Session 2023-24
Meeting ①

PAGE NO. _____
 DATE: 11

The Department has organized a meeting on Monday, 03/07/2023 at 4 pm. The following staff members were present for the meeting.

- ① Dr V S Barwane
- ② Dr R S Wadhude

Agenda:

- ① confirmation of minutes of the last meeting
- ② Discussion on the work load and syllabus
- ③ Discussion on the academic calendar
- ④ Any other discussion

Subject / Resolution:

- ① The minutes of the last meeting which was organized on 13/5/2023 were put for the discussion. After discussion the minutes of the last meeting get confirmed unanimously.
- ② The workload of UG has been discussed and decided to follow the following manner.

Sr No	Name of the faculty	class	work load			Pages
			Theory	Tuto	Total	
1	Dr V S Barwane	BSc I S ¹ 05	25	2	27	Pages I, III
		BSc I S ² 05	25	2	27	Pages I, III
		BSc I S ³ 04	25	2	27	Pages I, III
	Total	14	06	20		
2	Dr R S Wadhude	BSc I S ¹ 04	25	2	27	Pages I, III
		BSc I S ² 04	25	2	27	Pages I, III
		BSc I S ³ 05	25	2	27	Pages I, III
	Total	13	06	19		
Departmental Total workload			27	14	41	

Criterion - I- Curricular Aspects

PAGE NO. _____
DATE: 11 / 11 / 2023

③ It is decided that the academic calendar 2023-24 should be prepared as early as possible and submitted to the IQAC.

④ Under the last agenda if any other discussion it is decided that the Dept Report has to be submitted to IQAC and CHB Teachers should be appointed in August 2023.

Since there was no agenda to discuss the meeting gets concluded.


Head
Department of Mathematics
Mahatma Fule Arts, Comm. & Sitaraji
Chaudhari Science Mahavidyalaya
Warud Dist. Amravati

Criterion - I- Curricular Aspects

Date : 12/07/2023

Proceedings of Faculty Meeting No. 1

A meeting of all faculty members was held on 12/07/2023 at 12:00 noon. Following members were present for the meeting.

- 1) Dr. V. S. Tamgadge
- 2) Ms. A. B. Patil
- 3) Mr. V. R. Hiranwale
- 4) Dr. R. Y. Bakale

Subject (1) : Confirmation of minutes of last meeting held on 10/04/2023.

Resolution (1) : Proceedings of last meeting was put and read before all members. All subjects were discussed and minutes were put for confirmation.

Proposer : Ms. A. B. Patil

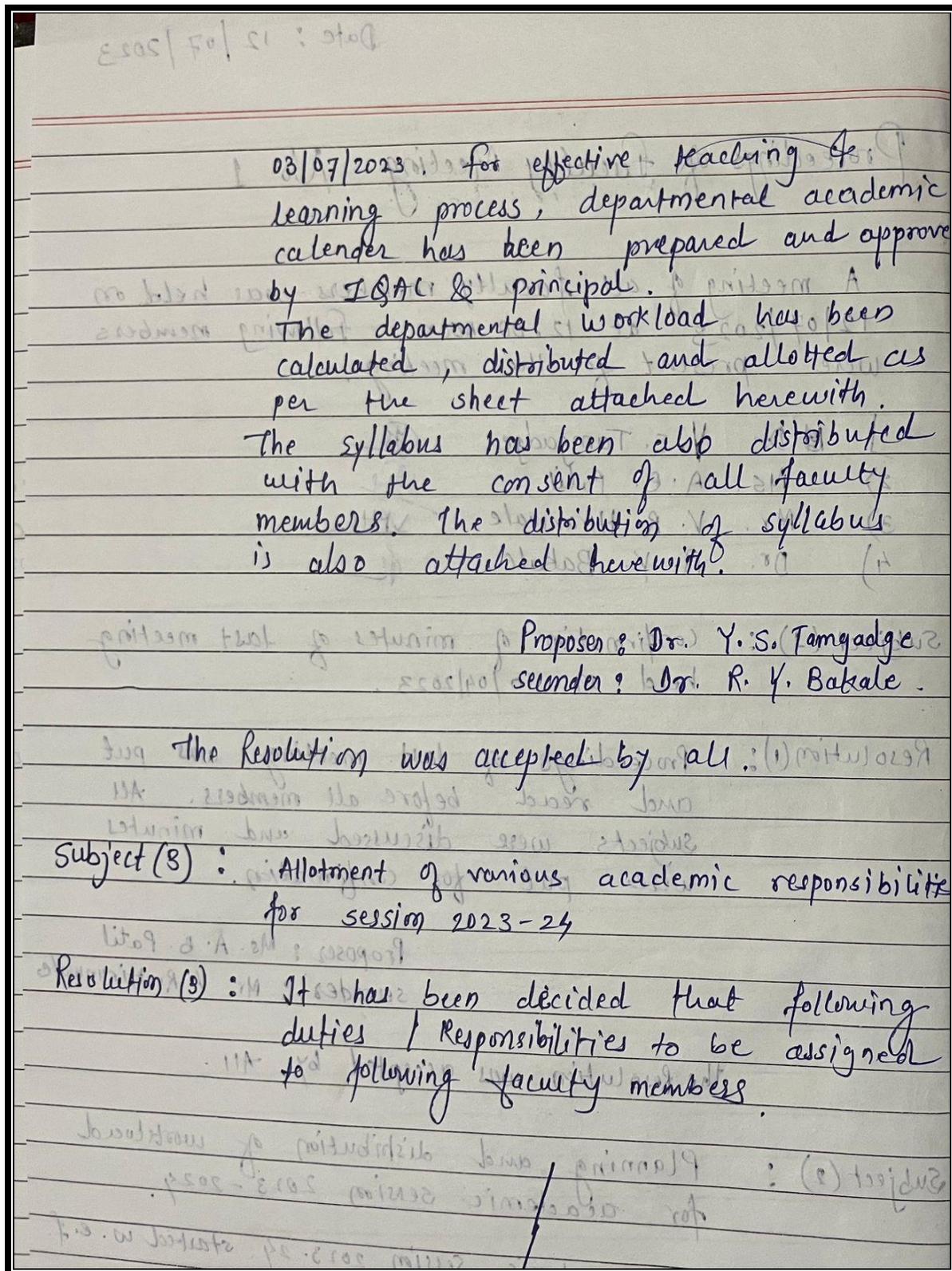
Secunder : Mr. V. R. Hiranwale

The resolution was accepted by All.

Subject (2) : Planning and distribution of workload for academic session 2023-2024.

Resolution (2) : The academic session 2023-24 started w. e. f.

Criterion - I- Curricular Aspects



Criterion – I- Curricular Aspects

Mahatma Fule Arts Commerce & Sitaramji Chaudhari Science Mahavidyalaya, Warud

DEPARTMENT OF PHYSICS

Distribution of Theory and Tutorials - Grant-in-Aid (Odd Semester)

Sr. No.	Name of teacher	Class	Workload		Syllabus Allotted	Total no. of units
			Theory	Tutorial		
1.	Miss. A.B.Patil	BScI	1	0	U -2	3
		BScII	1	0	U -3	
		BScIII	1	0	U-5	
2.	Mr. V. R. Hiranwale	BScI	1	0	U -6	5
		BScII	2	0	U -4, U-5	
		BScIII	2	0	U -1, U-2	
3.	Dr. Mrs. R.Y. Bakale	BScI	2	0	U-1, U-4	5
		BScII	1	0	U-1	
		BScIII	2	0	U-4, U-6	
4	Dr. Y. S. Tamgadge	BScI	2	0	U-2, U-5	5
		BScII	2	0	U-2, U-6	
		BScIII	1	0	U-3	
Total			18	0	All	18

Distribution of Practicals - Grant-in-Aid (Odd Semester)

Sr. No.	Name of teacher	Class	Batches Allotted	Workload	Total Workload
1.	Miss. A.B.Patil	BScI	CPM, (E+CPE)	6	15
		BScII	E1, CP1, M1	6	
		BScIII	E1, CP	3	
2.	Mr. V. R. Hiranwale	BScI	CP1, (E+CPE)	6	15
		BScII	E1, CP1	3	
		BScIII	M1, M2	6	
3.	Dr. Mrs. R.Y. Bakale	BScI	CP1, E1	6	15
		BScII	CP1,	3	
		BScIII	E1, CP	6	
4	Dr. Y. S. Tamgadge	BScI	M1	6	15
		BScII	M1	3	
		BScIII	M1	6	
Total				60	

Date: 15/07/2023


(Ms. A. B. Patil)
Head

Dept. of Physics
Mahatma Fule Arts, Com. & Sitaramji
Chaudhari Science Mahavidyalaya,
Warud, Dist. Amravati.

Criterion - I- Curricular Aspects

Name of Teacher	Role	Responsibility
Dr. Y. S. Tamgadge	Dept. class Incharge of BSc III Coordinator	1) As stated earlier 2) Bridge-course 3) fabrication of kits
Ms. A. B. Patil	Coordinator	1) "Brain Digger" physics Quiz Board 2) Departmental vivivance cell. 3) Departmental library.
Mr. V. R. Hiranwale	Dept. class-Incharge of BSc II Coordinator	— Das stated earlier 1) world-energy conservation Day 2) NSD - 2023-24 poster Exhibition 3) slow-learner/Advance learner scheme for BSc II
Dr. R. Y. Bakale	Dept. class-Incharge for BSc I Coordinator	1) As stated earlier — slow learner/ Advance learner for BSc I

Criterion - I- Curricular Aspects

Session 2023-24		Date
		(Meeting 1) - 11/06/2023
All the regular and CHB teachers are hereby informed to remain present for the departmental meeting to be held on 11.16.23 Monday at 12.00 sharply.		
The venue of the meeting will be the department of English.		
The agenda of the meeting is given below.		
1]	TO prepare work plan for the academic session 2023-2024.	
2]	Distribution of workload	
3]	TO prepare academic calendar.	
4]	TO prepare syllabus of the bridge course for the students of B.A. I, B. com I and B. sc I.	
5]	Any other matter to be discussed with the permission of the chair.	
		Head Department of English Mahatma Jyoti Arts, Commerce and Shikhar Choudhari Science College, Warud
1	Kirti P. Lekurwale	<i>[Signature]</i>
2)	Harshali B. Bhujade	<i>[Signature]</i>
3)	Shilpa N. More	<i>[Signature]</i>
4)	Pravin M. Tadar	<i>[Signature]</i>
5)	Sachin D. Morale	<i>[Signature]</i>
6)	Mohd. Tahir	<i>[Signature]</i>
7)	Narendra N. Grandhu	<i>[Signature]</i>
8]	Y. B. Kalmegh	<i>[Signature]</i>
9)	S. H. Kanade	<i>[Signature]</i>
10)	L. L. Dhawaral	<i>[Signature]</i>

Criterion - I- Curricular Aspects

session - 2023-24
DATE: 25 July 23

Meeting

All the staff member of zoology Department. are hereby informed that there will be meeting in the HOD chamber to discuss following agenda.

Agenda

- i) To Discuss on Result.
- ii) To discuss syllabus distribution
- iii) To discuss on NAAE preparation

proceeding of the meeting -
date of meeting - 25-7-2023

A meeting was held on 25.7.23 to discuss agenda of the meeting after due deliberation the discussion were taken and outcome are as follow

Agenda - I

To discuss on Result.

outcome

Meeting of the agenda discussed and confirmed and congratulate to those who get good results.

Agenda - II

To discuss syllabus distribution
syllabus distributed as per time table requirement.

Criterion - I- Curricular Aspects

DATE: / /
<u>Agenda - III</u> To discuss on NAAC preparation outcome - All requirement of file was fulfilled by the staff
<u>Action Taken -</u> The syllabus should be completed within the due date.
following members were present in the meeting
i) Dr. S.R. Kondulkar - 
ii) Dr. V.S. Panchwate - 
iii) Mr. K.D. Ingle 
iv) Dr. Shahzad Ahmad
v) Ku. Bhaeti walke - 
vi) Ku. Manisha Uike -

Criterion – I- Curricular Aspects

**MAHATMA FULE ARTS, COMMERCE AND SITARAMJI
CHAUDHARI SCIENCE MAHAVIDYALAYA, WARUD, DIST-
AMRAVATI (MH)**

Department of Zoology

2023-24 Allotment of Unit/Paper

B.Sc.I

Name	Sem-I	Unit
Dr.S.R.Kondulkar	Unit-1	Introduction and Classification to Non-Chordata 2. Phylum Protozoa: General characters 3. Type Study: Plasmodium vivax: structure, Life cycle 4. Parasitic Protozoan and human diseases: Malaria, Amoebias
Dr.V.S.Panchawate	Unit-II	. Phylum Porifera: General characters 2. Type study: Scypha: Habits, Habitat and Distribution, Cell types, Spicules and Structure and significance of canal system. 3. Phylum Coelenterates: General characters 4. Type study: Metridium: Habits and Habitat, External features, Gastrovascular cavity, Mesenteries, Corals
Dr.Shahzad Ahmad	Unit-III	Phylum Platyhelminthes: General characters 2. Type study Fasciola hepatica: Habits and Habitat, External features, Excretory, Reproductive system and life cycle, disease and control. 3. Phylum Aschelminths: General Characters 4. Type study: Ascaris lumbricoides: Habits and Habitat, External features, Digestive, Excretory, Reproductive system and life cycle
Mr.K.D.Ingle	Unit-IV	Phylum Annelida: General characters 2. Type study: Leech: External features, Digestive, Reproductive system. 3. Phylum Arthropoda: General characters. 4. Type study Cockroach: Habits and Habitat, Digestive, Excretory, Respiratory system, Reproductive system.
Dr.Shazad Ahmad	Unit-V	Phylum -Mollusca: General characters 2. Type study: Pila globose: Habit and habitat. External Features (Shell and body) Digestive system, Respiratory system, Reproductive system, 3. Phylum: Echinodermata: General characters, 4. Type study: Asterias, Habits and habitat. External Feature, Water vascular system
Dr.V.S.Panchwate	Unit-VI	Phylum: Hemichordata : General characters, Body organisation of Balanoglossus, Affinities of Balanoglossus with Non-Chordata and Chordata. 2. Parasitic adaptation in Helminthes, Morphological and Physiological 3. Larval forms and their significance 4. Amphiblastula, Planula, Trochophore, Bipinnaria, Brachiolaria.

Criterion – I- Curricular Aspects

Name	Sem-II	Unit
Dr.S.R.Kondulkar	Unit-1	Origin of Chordata 2. Protochordates: Type study: Amphioxus, Habits and habitat, External characters, Digestive system and feeding, Excretory organs, gonads, Affinities of Amphioxus. Affinities of Agnatha. 3. Series: Pisces: Type study: Scoliodon sorrakawah (Dog fish) Habits and habitat, External characters, Respiratory system, respiratory organ and mechanism of respiration, circulatory system, structure and working of heart, Lateral line receptors. Migration in fish types causes and significance
Dr.V.S.Panchawate	Unit-II	Class Amphibia: Type study: Rana tigrina: Habits and habitat, Respiratory organ, Circulatory system, structure of heart, major arteries and vein, Urinogenital system. Parental care in Amphibia. 2. Class Reptilia: Type study: Calotes versicolor- Habits and habitat, Circulatory system, Structure of heart, major arteries and
Dr.Shahzad Ahmad	Unit-III	Class Aves: Type study: Pigeon -Columba livia, Habits and habitat, external characters, Respiratory system, Urinogenital system, flight adaptation, Migration in birds. 2. Class: Mammalia: Primitive mammals: Salient features of Prototheria and Metatheria, Aquatic mammals, Flying mammals. Adaptive radiation in Mammals
Mr.K.D.Ingle	Unit-IV	Evolution meaning and scope 2. Indirect evidences of evolution: Evidences of organic evolution- morphological and anatomical, physiological and biochemical, embryological. 3. Direct evidences of evolution: Paleontological evidences: Fossil and fossilization: petrified fossils dead and preserve bodies and moulds, trails and foot prints, condition for fossilization. Radioactive carbon dating of fossils. Living fossil. Importance of fossil record. Evidences from connecting links – Peripatus and Archaeop
Dr.Shazad Ahmad	Unit-V	Speciation- definition of speciation-Allopatric and Sympatric speciation. 3. Modern concept of organic evolution -Neo-Darwinism. Population Genetic: Hardy - Weinberg equilibrium, Gens pool, Gene frequency, Genetic drift, Convergent, Divergent and parallel evolution, Coevolution.
Dr.V.S.Panchwate	Unit-VI	Evolution of Man-brief accounts of Parapithecus, Dryopithecus, Parapithecus, Australopithecus, Homoerectus, Neanderthal man, Cro-magnon man and modern man. Evolution of heart and aortic arches 2. Animal adaptation: Desert, Aquatic and Terrestrial.

Dr.S.R.Kondulkar
Professor & Head
Dept. of Zoology

Criterion – I- Curricular Aspects

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Sant Gadge Baba Amravati University

104-Mahatma Fule Arts Commerce And Sitaramji Chaudhari Science College, Warud

SUBJECT WISE INTERNAL MARKS SUMMER 2024

B.A. PART-I(SEMESTER-II) (CBCS) SUMMER 2024

1022 - 1 Economics(DSC)

Max. Marks : 20

Sl. No.	Roll No.	Student Name	Marks	SNo	Roll No.	Student Name	Marks
	23AA011037	Aakash Babanrao Wankhade	08	18	23AA111070	Chetana Ratnakar Kakade	08
	23AA011101	Ishwari Surendrarao Ijankar	19	19	23AA111071	Chetna Dnyaneshwar Deshkar	17
	23AA011106	Jivan Pramodrao Kadu	13	20	23AA111078	Dipali Radhelal Arase	18
	23AA011108	Jyoti Ramdas Uike	18	21	23AA111080	Dnyanavi Pravin Tekade	08
	23AA011117	Kiran Anil Dhurve	08	22	23AA111082	Gajendra Kailas Thosar	13
	23AA011131	Manisha Sunil Khadse	08	23	23AA111084	Gauri Rajkumar Godbole	19
	23AA011134	Maya Ganpat Kavdek	17	24	23AA111085	Gauri Sanjay Nerkar	19
	23AA011158	Pallavi Ramuji Gadhave	19	25	23AA111089	Gudiya Balkrushna Yuvanate	19
	23AA111041	Achal Ramchandra Kokate	19	26	23AA111094	Harshavani Dnyaneshwar Baskaware	19
	23AA111043	Ajay Sheshrao Dhomane	13	27	23AA111096	Hemesh Rajendra Parteti	08
	23AA111046	Amit Sanjay Jadhao	08	28	23AA111097	Hemlata Sanjayrao Rohankar	18
	23AA111047	Anamika Hariram Kumre	18	29	23AA111100	Ishawari Harihar Nikam	08
	23AA111048	Aniket Prabhakarrao Uike	08	30	23AA111103	Jaya Shailesh Wahane	19
	23AA111049	Anita Baggiuji Uike	19	31	23AA111105	Jaykumar Chhatrapati Taywade	18
	23AA111057	Ashvini Bhojraj Pachghare	19	32	23AA111109	Kalyani Yogeshrao Sinkar	08
	23AA111064	Ayush Diliprao Mahure	19	33	23AA111111	Kanchan Sanjay Kharode	08
	23AA111067	Chanchal Nilkanth Umbarkar	08	34	23AA111113	Karan Dnyaneshwar Deshkar	17

: If any Candidate's Name is missing in this list, Please indicate the same at the end and write a marks.

Page 1 of 4



(Dr. G.N. Chaudhari)
Principal
Mahatma Fule Arts, Commerce & Sitaramji Chaudhari Science Mahavidyalaya, Warud

Criterion – I- Curricular Aspects

Mahatma Fule Arts, Commerce and Sitaramji Chaudhary Science Mahavidyalaya, Warud,
Dist. Amravati.

Departmental Library – Zoology

1. Text book of Zoology Vol II – Vishwanath
2. Elementary Genetics – Sinnott
3. The Frog – Rugh
4. Cell Biology – Borunke
5. Chordate Zoology and Animal Physiology – Jordan and Verma
6. A Manual of Practical Zoology – Jordan
7. Cytology – G.B.Wilson and J.H.Morrison
8. Text book of Practical Zoology – Jordan
9. Invertebrate Zoology – Virbala Rastogi
10. Practical Vertebrate Zoology – Agrawal and Dalela
11. A Text book of Genetics – Dalela and Verma
12. Chordate Zoology – Vishvanath
13. Practical Statistics – Kadu and Jangle
14. Elements of Biology – Weisz
15. Ichthyology – Lagler and Miller
16. A Text book of Zoology – Vishvanath
17. Chordate Zoology and Animal Physiology – Jordan and Verma
18. Principle of Genetics – Sinnott and Dunn
19. Problem in Statistic – Karve and Dolas
20. A Text book of Zoology – Vishvanath
21. Element of Zoology – Paul B. Weisz
22. Cell Biology – Verma and Agrawal
23. Introduction of Fisheries – S.S.Khanna
24. A Text book of Vertebrate Zoology – S.N.Prasad
25. A Text book of Invertebrate Zoology – Kotpal
26. A Text book of Vertebrate Zoology – S.N.Prasad
27. Chordate Zoology – H.S.Vishnai

Criterion – I- Curricular Aspects

- | | |
|---|----------------------|
| 28. Modern text of Zoology | – Kotpal and Agrawal |
| 29. Field Biology and Ecology | – A. Benton |
| 30. Process of Organic Evolution | – G.L.Stebbing |
| 31. Invertebrate Zoology | – Jordan and Verma |
| 32. A Classification of Fishes | - Jordan |
| 33. Practical Zoology | – K.C.Chose |
| 34. Basic Human Physiology | – Singh |
| 35. Introduction to General Zoology | – K.K.Choki |
| 36. A Manual of Practical Zoology | – P.S.Verma |
| 37. Fish and Fisheries | – Kotpal |
| 38. Elements of Biotechnology | – P.K.Gupta |
| 39. Advanced Biotechnology | – P.K.Saran |
| 40. Text book of Practical Zoology Chordate | – P.S.Verma |
| 41. Aquaculture | – R.Trivedi |
| 42. Cell Biology | – C.B.Pawar |
| 43. Chordate Zoology | – Jordan and Verma |
| 44. Economic Zoology | – S.Upadyaya |
| 45. Chordate Embryology | – Sandhu |
| 46. Introduction to Cytology | – Virbala Rastogi |
| 47. Elements of Biotechnology | – P.K.Gupta |


Head
Deptt. of Zoology
Mahatma Fule Arts & Comm. &
Sriramji Chowdhri Science Mahavidyalaya,
Warananasi, Warananasi, Warananasi

Criterion – I- Curricular Aspects

Mahatma Fule Arts, Comm & Sitaramji Choudhary Sci. College, Warud Department of Economics

M.A.-ECONOMICS (Sem.I & III)

TIME-TABLE

2023-24

DAYS	CLASS	1	2	3	4
		2.30	3.20	4.10	5.00
MON	M.A.I	Statistics (Gorde)	Rural & Urban Dev (Tarar)	Macro Economics (Kumbhare)	Research Methodology (Gorde)
	M.A.II	Development (Nimbhorkar)	I.T.F.(Nimbhorkar)	Labour Economics(Tarar)	--
TUE	M.A.I	Statistics (Gorde)	Macro Economics (Kumbhare)	Research Methodology (Gorde)	Micro Economics (Chore)
	M.A.II	I.T.F.(Bahekar)	I.T.F.(Bahekar)	Labour Economics(Tarar)	--
WED	M.A.I	Statistics (Gorde)	Macro Economics (Kumbhare)	Research Methodology (Gorde)	Micro Economics (Chore)
	M.A.II	Labour (Kumbhare)	Research Metho. For Eco (Chore)	Research Metho. For Eco (Bahekar)	--
THU	M.A.I	Rural & Urban Dev (Tarar)	Agricultural Economics(Bahekar)	Research Methodology (Gorde)	Macro Economics (Kumbhare)
	M.A.II	Research Metho. For Eco (Tarar)	Development (Nimbhorkar)	Research Metho. For Eco (Tarar)	--
FRI	M.A.I	Rural & Urban Dev (Tarar)	Agricultural Economics(Bahekar)	Micro Economics (Chore)	--
	M.A.II	Development (Nimbhorkar)	Research Metho. For Eco (Chore)	--	--
SAT	M.A.I	Micro Economics (Chore)	Agricultural Economics(Bahekar)	--	--
	M.A.II	Labour (Kumbhare)	Development (Nimbhorkar)	I.T.F.(Nimbhorkar)	--

HOD ECONOMICS

(Dr.U.B.Sangolkar)

Principal

(Dr. G.N. Chaudhari)
Principal

Mahatma Fule Arts, Commerce & Sitaramji
Chaudhari Science Mahavidyalaya, Warud

Criterion – I- Curricular Aspects

**Mahatma Fule Arts, Commerce and Sitaramji Chaudhari Science Mahavidyalaya, Warud.
Commerce & Management (For Marathi Medium Only)
Time-table for the year 2023-24**

Days	Class	1 (12.00 to 12.48)	2 (12.50 to 1.38)	3 (1.40 to 2.28)	4 (2.30 to 3.18)	5 (3.20 to 4.08)	6 (4.10 to 4.58)
MON	B.COM. I A B.COM. II B.COM. III	FAC (Futane) BS (Thengewar) ED (Wagh)	MAR (Pawar) ENG (Bhujade) CL (Kakade)	ENG (Bhujade) CA (Futane) EOE (Sad)	PBO (Umekar) IFS (Kakade) IWW (Gawande)	ITB (Sad) MA (Saynere)	- - -
TUE	B.COM. I A B.COM. II B.COM. III	FAC (Futane) BS (Thengewar) MAR (Chore)	CFS (Gurjar) CA (Futane) EOE (Sad)	ENG (Bhujade) ITB (Sad) ENG (Bansod)	PBO (Umekar) IT (Wagh) IWW (Gawande)	BEC (Saynere) IFS (Kakade) ED (Thengewar)	- - -
WED	B.COM. I A B.COM. II B.COM. III	PBO (Umekar) BS (Thengewar) EOE (Sad)	FAC (Futane) ITB (Sad) MA (Saynere)	ENG (Bhujade) MAR (Chore) ED (Wagh)	MAR (Pawar) CA (Futane) ENG (Bhujade)	BEC (Saynere) ENV CL (Kakade)	- - -
THU	B.COM. I A B.COM. II B.COM. III	ENG (Bhujade) CA (Futane) IWW (Gawande)	FAC (Futane) MAR (Chore) MA (Saynere)	PBO (Umekar) ENG (Bhujade) EOE (Sad)	BEC (Saynere) IT (Wagh) CL (Kakade)	CFS (Gurjar) IFS (Kakade) ED (Wagh)	- ENV -
FRI	B.COM. I A B.COM. II B.COM. III	FAC (Futane) IT (Wagh) MA (Saynere)	ENG (Bhujade) IT (Sad) CL (Kakade)	MAR (Pawar) CA (Futane) EOE (Sad)	BEC (Saynere) BS (Thengewar) ENG (Tarar)	CFS (Gurjar) IFS (Kakade) IWW (Gawande)	- - -
SAT	B.COM. I A B.COM. II B.COM. III	MAR (Pawar) ITB (Sad) MA (Saynere)	ENG (Bhujade) IT (Wagh) MAR (Chore)	CFS (Gurjar) ENG (Bhujade) ED (Thengewar)	BEC (Saynere) IFS (Kakade) IWW (Gawande)	BS (Thengewar) CL (Kakade)	- -

B. Com I(Mar)-109,

B. Com II(Mar)-116,

B. Com III(Mar)-117

(Mrs. M. R. Umekar)
H.O.D OF COMMERCE

(DR. G. N. Chaudhari)
PRINCIPAL

**Mahatma Fule Arts, Commerce and Sitaramji Chaudhari Science Mahavidyalaya, Warud.
Commerce & Management (For English Medium only)
Time-table for the year 2023-24**

Days	Class	1 (12.00 to 12.48)	2 (12.50 to 1.38)	3 (1.40 to 2.28)	4 (2.30 to 3.18)	5 (3.20 to 4.08)	6 (4.10 to 4.58)
MON	B.COM. I(sem I) B.COM. II(sem III) B.COM. III M.COM. I sem M.COM. III sem	PBO (Umekar) CA (Gurjar) IWW (Gawande) OBD (Saynere) SDM (Kakade)	FAC (Gawande) ITB II (Saynere) EOE (Gurjar) AMD (Mhaski) COM (Umekar)	ENG (Kalmegh) IT (Wagh) MAR (Tongse) SM (Mhaski) ESD (Gurjar)	BEC (Saynere) BS (Thengewar) ED (Mhaski) -- --	CFS II (Gurjar) IFS (Gawande) CL (Kakade) -- --	-- -- -- -- --
TUE	B.COM. I B.COM. II B.COM. III M.COM. I sem M.COM. III sem	FAC (Gawande) CA (Gurjar) MA (Umekar) OBD (Saynere) SDM (Kakade)	BEC (Saynere) IT (Wagh) ED (Mhaski) CAB (Kakade) IF (Gawande)	ENG (Kalmegh) BS (Thengewar) ENG (Lekurwale) SM (Mhaski) COM (Umekar)	CFS II (Gurjar) ITB II (Saynere) CL (Kakade) -- --	IFS (Gawande) EOE (Gurjar) -- -- --	-- -- -- -- --
WED	B.COM. I B.COM. II B.COM. III M.COM. I sem M.COM. III sem	ENG (Kalmegh) CA (Gurjar) IWW (Gawande) OBD (Saynere) SDM (Kakade)	FAC (Gawande) BS (Thengewar) MAR (Tongse) CAB (Kakade) SDM (Kakade)	MAR (Tongse) ENG (Lekurwale) MA (Umekar) AMD (Mhaski) IF (Gawande)	CFS II (Gurjar) ITB II (Saynere) CL (Kakade) -- --	PBO (Umekar) IFS (Gawande) EOE (Gurjar) -- --	-- -- -- -- --
THU	B.COM. I B.COM. II B.COM. III M.COM. I sem M.COM. III sem	CFS II (Gurjar) MAR (Tongse) MA (Umekar) OBD (Saynere) SDM (Kakade)	MAR (Tongse) CA (Gurjar) CL (Kakade) SM (Mhaski) IF (Gawande)	ENG (Kalmegh) BS (Thengewar) ENG (Lekurwale) AMD (Mhaski) ESD (Gurjar)	FAC (Gawande) ENG (Lekurwale) ED (Sad) -- COM (Umekar)	BEC (Saynere) IT (Wagh) IWW (Gawande) -- --	-- ENV -- -- --
FRI	B.COM. I B.COM. II B.COM. III M.COM. I sem M.COM. III sem	MAR (Tongse) IFS (Gawande) MA (Umekar) CAB (Kakade) ESD (Gurjar)	BEC (Saynere) IT (Wagh) EOE (Gurjar) AMD (Mhaski) IF (Gawande)	ENG (Kalmegh) BS (Thengewar) ED (Mhaski) -- COM (Umekar)	FAC (Gawande) CA (Gurjar) CL (Kakade) -- --	PBO (Umekar) ITB II (Saynere) -- -- --	ENV -- -- -- --
SAT	B.COM. I B.COM. II B.COM. III M.COM. I sem M.COM. III sem	PBO (Umekar) MAR (Tongse) ENG (Lekurwale) CAB (Kakade) ESD (Gurjar)	BEC (Saynere) IFS (Gawande) ED (Sad) SM (Mhaski) SDM (Kakade)	MAR (Tongse) ENG (Lekurwale) IWW (Gawande) -- COM (Umekar)	ENG (Kalmegh) IT (Wagh) EOE (Gurjar) -- --	ITB (Saynere) MA (Umekar) -- -- --	-- -- -- -- --

B. Com I(Eng)-110,

B. Com II(Eng)-115,

B. Com III(Eng)-108,

M. Com I- 123,

M. Com II - 123

(Dr. G.N. Chaudhari)
Principal

Mahatma Fule Arts, Commerce & Sitaramji
Chaudhari Science Mahavidyalaya, Warud