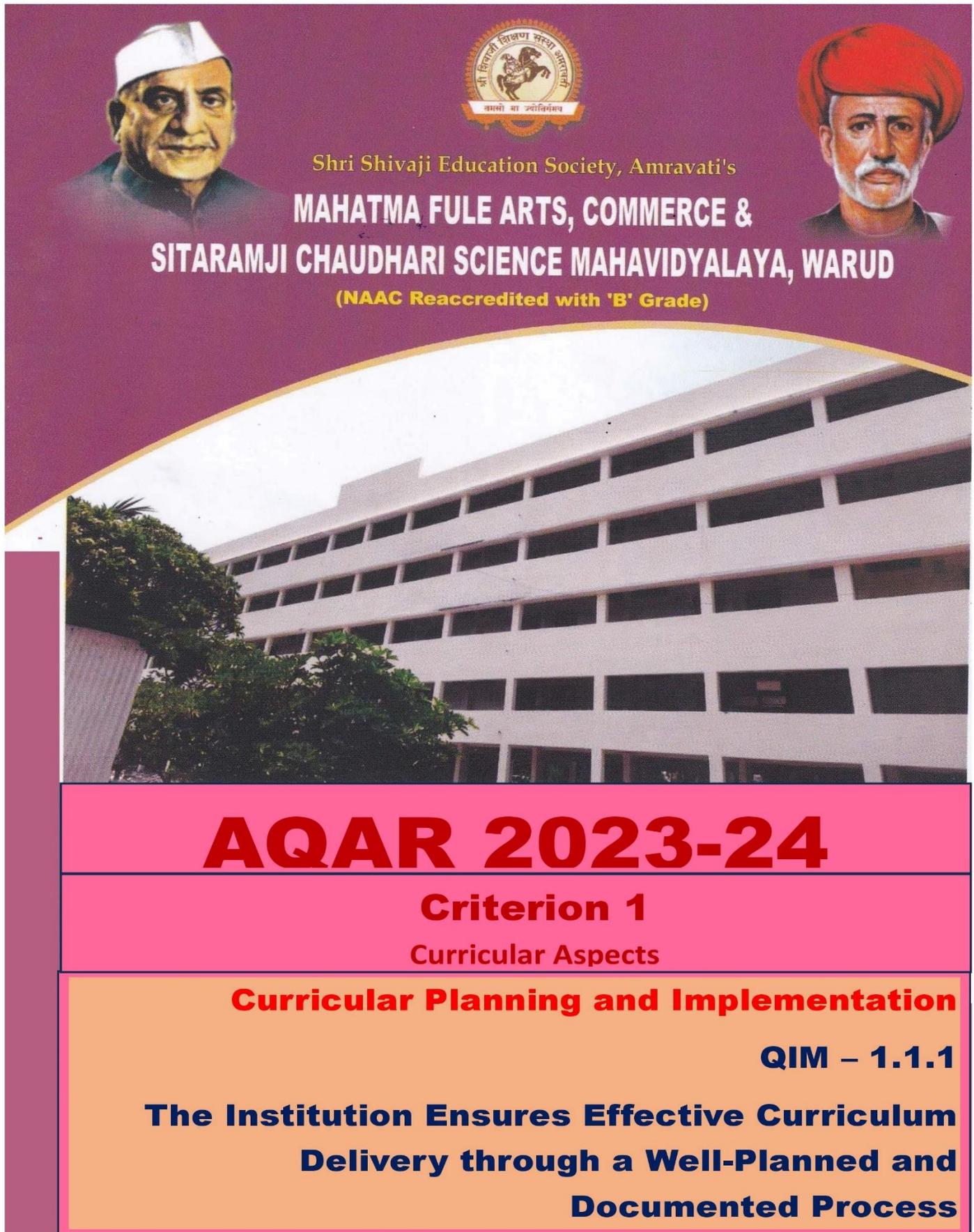


Criterion – I- Curricular Aspects



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., LL.D., Bar-At-Law |
|---|--|--|

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
Department of M.Sc. (Computer Sci.)
Mahatma Fule Arts, Commerce &
Sitaramji Chaudhari Sci. Mahavidyalaya
Warud, Dist. Amravati


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

Documentation Coordinator Criterion I - Coordinator

Criterion – I- Curricular Aspects

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(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
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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 सृष्टि | 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

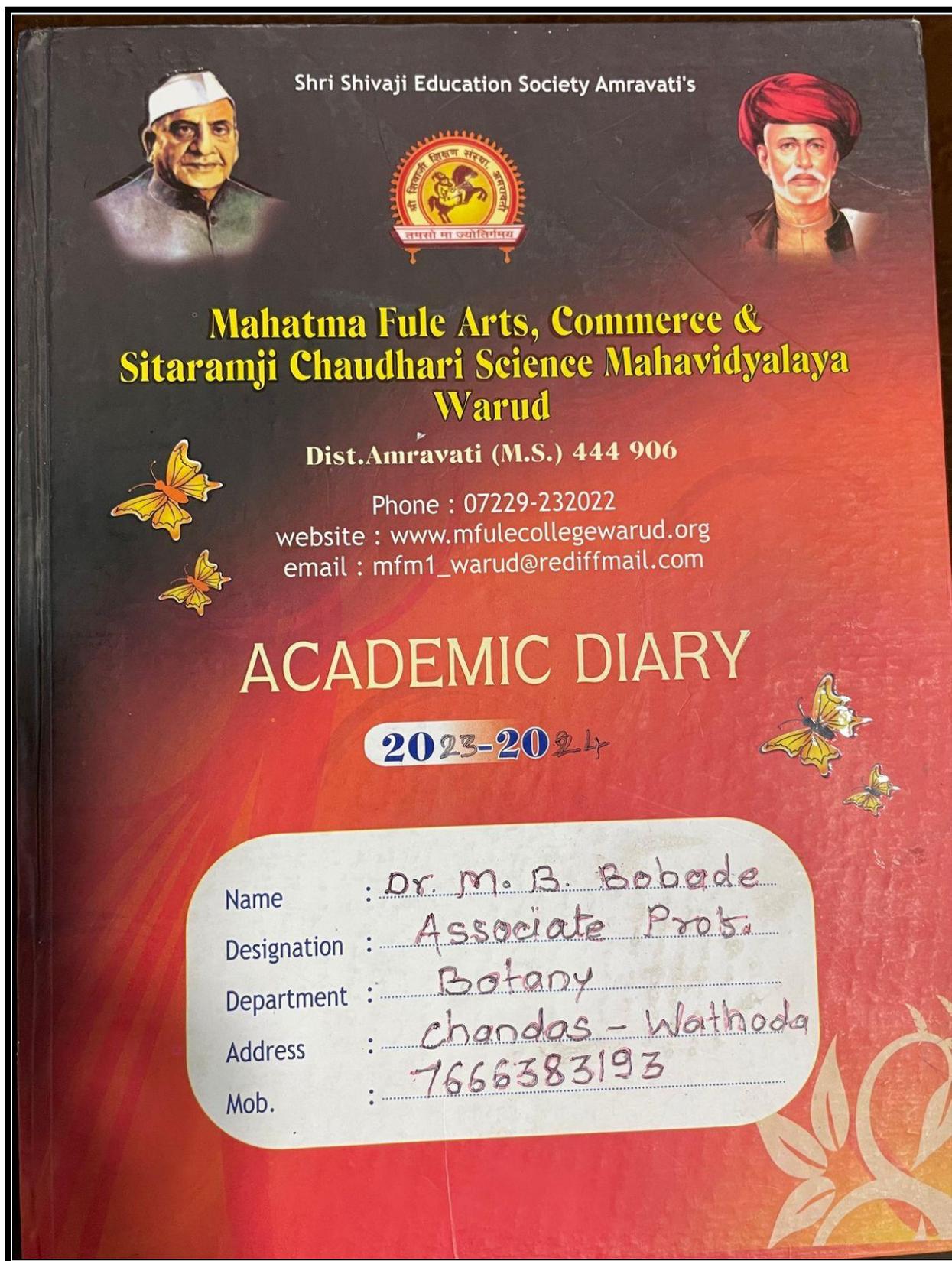
Subject : Marathi Paper / Unit : व्याकरण

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) शिक्षणाबोबंदी माधुसुधांचा | १२ | |
| २) | विभाग ब छात्र | १) जागृता २) हिरवा तपस्वी ३) कस्तुरी | १२ | |
| ३ | विभाग क कविता | १) संतवाणी अ संत एकनाथ ब संत तुकाराम २) शंभूई ३) बाप दादर पेशवे ४) आ. बाहरी संवेदनशील मुळवून घेताना | १३ | |
| ४) | विभाग ड उपयोगी मराठी | १) कार्यालयीन पत्रव्यवहार २) स्व-परिचयपत्र व नोकरी-साठी अजलेंखन | १० ४५ | |

Criterion – I- Curricular Aspects



Criterion - I- Curricular Aspects

Annual Plan :

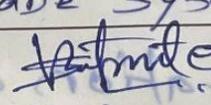
Session : 2023 - 2024 Class : B.Sc - III SVI

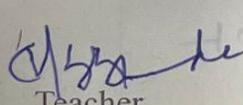
Subject : Botany Paper / Unit : I & II

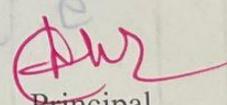
Approximate Theory Periods required : 30

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 ds 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 Eukaryotes | | |
| | | 5. Endomembrane system | | |


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

 Teacher


 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 - A.S. Antber | 15 | |

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 - 2023

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, Sellaginella | | |
| 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 : 15

Approximate Practical Periods required : 15

| Sr. No. | Unit | Micro planning for topic to be covered in each unit | Lectures required | Duration/ Months |
|---------|------|---|-------------------|------------------|
| | 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 drugs, 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 |

Criterion – I- Curricular Aspects

Shri Shivaji Education Society Amravati's



**Mahatma Fule Arts, Commerce &
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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 | I |
| | II | Theory of equations : Descartes rule of signs, relation between roots and coefficients of cubic eq ⁿ . Cayley's Hamilton theorem. Cardan's method | 20 | II |
| | III | Rank of matrix: Eigenvalue. and Eigenvector, Cayley's-He. Theorem. | 20 | III |
| | IV | De-Moivre's theorem (DMT) relation between circular roots and Hyperbolic function. Separation of real and imaginary parts. inverse function. | 20 | IV |
| | V | Series: Gregory's Series, Euler's series, Machin's series Lulliorford series. function of $\cos x$, $\sin x$, $\cosh x$, $\sinh x$. expansion | 12 | V |

Criterion – I- Curricular Aspects

Annual Plan :

Session : 2023-2024 Class : B-Sc III

Subject : Mathematics Paper / Unit : XI

Approximate Theory Periods required : _____

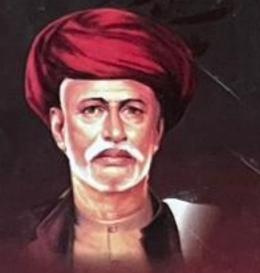
Approximate Practical Periods required : _____

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. | | III |
| IV | | Inner product space: Def ⁿ . Algebra of IPS, orthogonal IPS. Gram-Schmidt orthogonal process. | | IV |
| V | | Modules: Def ⁿ . Examples submodule. unital module. Homomorphism of module. Fundamental Theorem of module, Free module. | | V |

Criterion – I- Curricular Aspects

Shri Shivaji Education Society Amravati's



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Sitaramji Chaudhari Science Mahavidyalaya
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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.M., 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 s.e. with 4d & 5d s.e. w.r. T. size, O.S. M.P. & Colour.</p> | 06 08 | |

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><u>A. Aromatic Nitro Compound .</u> 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><u>B. Amino Compound</u> 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><u>C. Diazonium Salt</u> 4.11. Nomenclature 4.12. Prepⁿ of Benzene Diazonium Chloride. 4.13. Synthetic Applications of Benzenediazonium Chloride</p> <p><u>D. Amino acids & Proteins</u> 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 M. 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
 A2

| Sr. No | Unit | Micro planning for topic to be covered in each unit | Lectures required | Duration/ Months |
|--------|----------------|--|--|------------------|
| I | Thermodynamics | * 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 |
| | | List of Experiment SEM III (23-24) | | July - Oct |
| ① | | To study characteristic of PN Junction diode | 01 | |
| ② | | To study Half wave rectifier using Pn 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 des 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. |

Criterion - I- Curricular Aspects

Annual Plan :

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 |
|---------|------|---|-------------------|------------------|
| | | List of Experiment sem IV (CBCS) | | Jan - March |
| ① | | To determine the Wavelength of sodium light by Newton's rings | 01 | |
| ② | | To determine ^{refractive index} dispersive power of prism the material of a given by double image prism | 01 | |
| ③ | | To determine the Wavelength of sodium light by Plane diff. gratng | 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 an Non-Inverting Amplifier | 01 | |
| ⑩ | | To study OP-Amp as an Adder | 01 | |

[Signature]

[Signature]

Teacher

Head
Deptt. of Physics
Mahatma Fule Arts, Com & Siteramji
Chaudhari Science HOID, Idyalaya,
Warud, Dist. Amravati

[Signature]

Principal
Mahatma Fule A.C. & Siteramji
Chaudhari Science College, Waru

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 : —

| Sr. 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 | |

M. K. Chaturvedi

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 - History, Concept, Objective, Causes, Merits & Demerits Effects of Demonitization (Nov-2016) on Indian Economy. | 15 | |

Criterion - I- Curricular Aspects

Annual Plan

Session : 2023-24 Class : B.Sc. III and IV Annual

Subject : Zoology Paper / Unit : _____ Session :

Approximate Theory Periods required : 30 (16) Subject :

Approximate Practical Periods required : 30 (16) Approxi

| 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> | | | 2 |
| | | 1) Diversity of chordata | 02 L | 1 h. 30 m | |
| | | 2) origin of chordata | 01 L | 45 min | |
| | | 3) Type study - Amphioxus | 01 L | 45 min | |
| | | 4) Habit and Habitat. character | 02 | 1 h. 30 m | |
| | | 5) Digestive system, glands | 01 | 45 min | |
| | | 6) Respiration | 01 | 45 min | |
| | | 7) excretory organ | 01 | 45 min | |
| | | 8) Affinities of Amphioxus | 01 | 45 min | |
| | | 9) Affinities of Agnatha | 01 | 45 min | |
| | | 10) Type study - scaliadon | 01 | 45 min | |
| | | 11) Digestive system | 01 | 45 min | |
| | | 12) circulatory system | 02 | 1 h. 30 m | |
| | | 13) Lateral Line | 01 | 45 mi | |

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 |


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


 Principal
 Mahatma Fule Arts, Commerce & Science
 Chaudhari Science Mahavidyalaya

Criterion - I- Curricular Aspects

| | |
|------------|---------------|
| Page No. : | APTE NRISH |
| 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 drey 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

Page No. _____
Date _____

15/7/23

विभागातील शिक्षकांची सभा दिनांक 15/07/2023 शनिवार दुपारी 12:00 वाजता संपन्न झाली. सदर सभेत स्वातंत्र्य विषयावर चर्चा करण्यात आली.

विषय: 1) सन 2023-24 कुरिता वगिन्या कार्यभाराबाबत चर्चा करण्याबाबत

विषय: 2) विभागातील शैक्षणिक उपक्रम जावविन्याबाबत चर्चा

विषय: 3) कार्यनियोजन 2023-24 कुरिता चर्चा करण्याबाबत

विषय: 4) अनुभवात्म्या परवानगीने वेळेवर येणारे विषय:

विषय 1: 1) सन 2023-24 कुरिता वगिन्या कार्यभारावर चर्चा करण्यात आली.

उदा. 1) सन 2023-24 वगिन्या अनुभवात्म्य कार्यभारावर चर्चा करण्यात आली चर्चेसाठी (अध्यापकांचा कार्यभार स्वातंत्र्य प्रमाणे सोपविण्यात आला.

मा. डॉ. सी. डी. पारुवे वी. सु. भाग 3. मराठी उपाध्यक्ष वी. सु. भाग 3. मराठी वाड. मय वी. सु. भाग 2. मराठी वाड. मय

मा. डॉ. सुल. पुस. पवार वी. सु. भाग 9 (अ. व.) मराठी उपाध्यक्ष वी. सु. भाग 2. मराठी उपाध्यक्ष

मा. डॉ. स्वाली चोरे वी. सु. भाग 2. मराठी उपाध्यक्ष वी. सु. भाग 9 (अ. व.) मराठी उपाध्यक्ष

मा. डॉ. करुणा उदाहरे वी. सु. भाग 9 (अ. व.) मराठी वाड. मय

मा. उमेशा उदिवरक वी. सु. भाग 9 (अ. व.) मराठी

मा. उमेशा उदिवरक वी. सु. भाग 3 मराठी

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

पुस्तक. 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. : | AMRST |
| Date : / / | |

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. Bozkar, 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 : → (Chemistry 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.G. Tour : → Dr. A.K. Wanjari
- 10) P.G. Wall Magazine : → Miss N.H. Khan, Miss Bozkar
- 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

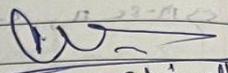
Beside completing these activity, each staff members will arrange one Guest Lectures for UG & PG students. It has been decided that, each staff Publish one Research paper in Carelist Journal

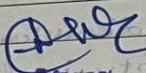
Proposar : Dr. R. P. Ganekar
Secunder : Ms. V. N. Gulhane.

Criterion - I- Curricular Aspects

Page No. :
Date : / /

Sub: Any other matter with the permission of chair
Resolution: As there is no matter to be discussed under the head, The meeting ended with the vote of thanks. The Resolution was accepted by all members unanimously.


Dr. B. E. Chavethar
HEAD
Dept. of Chemistry
M. F. Arts, Com. & Jitaramji
Chaudhari Science M, Warud


Principal,
Mahatma Fule Ari's, Commerce &
Jitaramji Chaudhari Science Mahavidyalaya,
Warud, Distt. Amravati.

Proposer : Dr. R. P. Garudkar
Sponsor : Mrs. V. H. Garudkar

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=2 | 07 | 07 | Pages I, III |
| | | BSc I S ₃ 05 | 25/2=2 | 07 | 07 | Pages I, III |
| | | BSc I S ₅ 04 | 25/2=2 | 07 | 07 | Pages I, III |
| | Total | 14 | 06 | 20 | | |
| 2 | Dr R S Wadhude | BSc I S ₁ 04 | 25/2=2 | 08 | 08 | Pages I, II |
| | | BSc I S ₃ 04 | 25/2=2 | 06 | 06 | Pages I, II |
| | | BSc I S ₅ 05 | 25/2=2 | 07 | 07 | Pages I, II |
| | Total | 13 | 08 | 21 | | |
| 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 CHS Teachers should be appointed in August 2023.

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

~~Signature~~

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

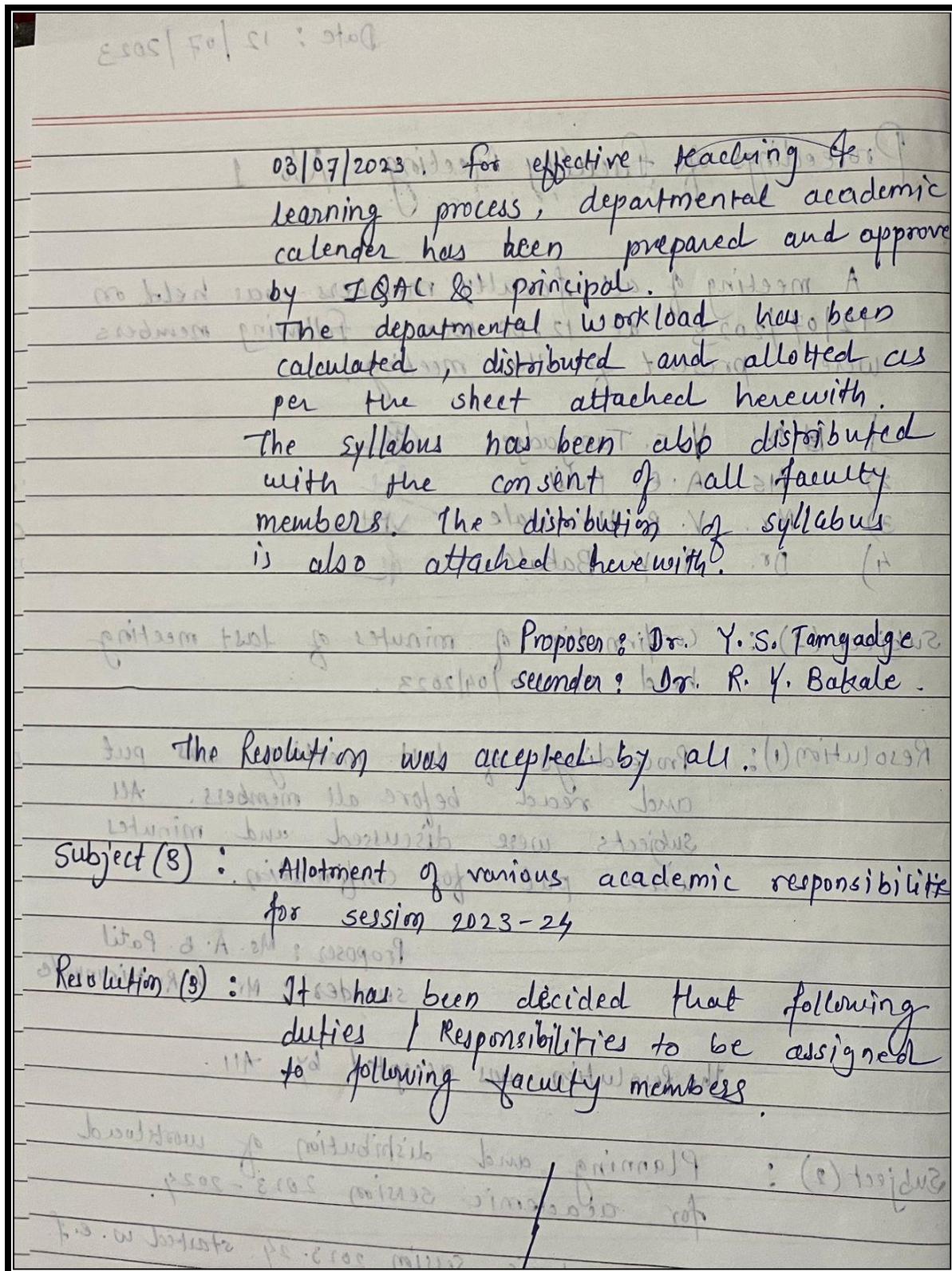
seconded : Mr. V. R. Hiranwale

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. Grandhi | <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 member's 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

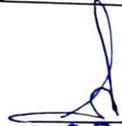
2023-24 Allotment of Unit/Paper

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

| Sant Gadge Baba  Amravati University | | 2024-06-03 10:43:51.0 | |
|---|-----------------------------|----------------------------------|-------|
| 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 | | | |
| Roll No. | Student Name | Marks | |
| 23AA011037 | Aakash Babanrao Wankhade | 08 | |
| 23AA011101 | Ishwari Surendrarao Ijankar | 19 | |
| 23AA011106 | Jivan Pramodrao Kadu | 13 | |
| 23AA011108 | Jyoti Ramdas Uike | 18 | |
| 23AA011117 | Kiran Anil Dhurve | 08 | |
| 23AA011131 | Manisha Sunil Khadse | 08 | |
| 23AA011134 | Maya Ganpat Kavdek | 17 | |
| 23AA011158 | Pallavi Ramuji Gadhawe | 19 | |
| 23AA111041 | Achal Ramchandra Kokate | 19 | |
| 23AA111043 | Ajay Sheshrao Dhomane | 13 | |
| 23AA111046 | Amit Sanjay Jadhao | 08 | |
| 23AA111047 | Anamika Hariram Kumre | 18 | |
| 23AA111048 | Aniket Prabhakar Rao Uike | 08 | |
| 23AA111049 | Anita Baggi Uike | 19 | |
| 23AA111057 | Ashvini Bhojraj Pachghare | 19 | |
| 23AA111064 | Ayush Diliprao Mahure | 19 | |
| 23AA111067 | Chanchal Nilkanth Umbarkar | 08 | |
| SNo | Roll No. | Student Name | Marks |
| 18 | 23AA111070 | Chetana Ratnakar Kakade | 08 |
| 19 | 23AA111071 | Chetna Dnyaneshwar Deshkar | 17 |
| 20 | 23AA111078 | Dipali Radhelal Arase | 18 |
| 21 | 23AA111080 | Dnyanavi Pravin Tekade | 08 |
| 22 | 23AA111082 | Gajendra Kailas Thosar | 13 |
| 23 | 23AA111084 | Gauri Rajkumar Godbole | 19 |
| 24 | 23AA111085 | Gauri Sanjay Nerkar | 19 |
| 25 | 23AA111089 | Gudiya Balkrushna Yuvanate | 19 |
| 26 | 23AA111094 | Harshavani Dnyaneshwar Baskaware | 19 |
| 27 | 23AA111096 | Hemesh Rajendra Parteti | 08 |
| 28 | 23AA111097 | Hemlata Sanjayrao Rohankar | 18 |
| 29 | 23AA111100 | Ishawari Harihar Nikam | 08 |
| 30 | 23AA111103 | Jaya Shailesh Wahane | 19 |
| 31 | 23AA111105 | Jaykumar Chhatrapati Taywade | 18 |
| 32 | 23AA111109 | Kalyani Yogeshrao Sinkar | 08 |
| 33 | 23AA111111 | Kanchan Sanjay Kharode | 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 | | | |

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

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

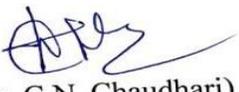
(Dr.U.B.Sangolkar)

Principal

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) ITB (Sad) CL (Kakade) | MAR (Pawar) CA (Futane) EOE (Sad) | BEC (Saynere) BS (Thengewar) ENG (Tatar) | 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) ESD (Gurjar) | 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) -- -- | 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) CL (Kakade) -- -- | -- 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) COM (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