



Affiliated to RTM NAGPUR University and  
Recognised by Govt. of Maharashtra



'A+' Grade Reaccredited by NAAC  
with 3.53 CGPA Score



## Salient Features

- Girl's Hostel
- Gymnasium
- Smart/Digital Classrooms
- M-OPAC mobile based online public access catalogue
- AC Conference Hall
- Auditorium
- Canteen
- Well equipped Laboratories

## Support Services

- NCC
- NSS
- Career Guidance and Placement Division
- Women's Cell
- Grievance Redressal Cell

řd. Am\_Xma JmoqdXamd dŒOmar eiŒ  
 Sakkardara Square, Nagpur-440 024  
 Phone : +91-712-2742308, 2749784  
 Fax: +91-712-2747853  
 website: [www.kamlanehrucollege.ac.in](http://www.kamlanehrucollege.ac.in)



Amar Sewa Mandal's  
**Kamla Nehru  
Mahavidyalaya**

Affiliated to RTM NAGPUR University and  
Recognised by Govt. of Maharashtra



'A+' Grade Reaccredited by NAAC  
with 3.53 CGPA Score

(Highest CGPA Score amongst all colleges in Vidarbha)



# 2019-20

## INFORMATION BROCHURE



# **Our Inspiration**



**Late Shri Govindraoji Wanjari**

**Ex. MLA & Founder President  
Amar Sewa Mandal**



**Dr. Smt. Suhasini Wanjari**

President, Amar Sewa Mandal  
Ex. Principal, Kamla Nehru Mahavidyalaya

## Message from the President

Since its inception the institution has constantly strived to preserve the rich cultural legacy of our country and to strengthen the decaying condition of the social and educational system. Alongwith the imparting of education in the diverse basic disciplines, the Management & staff feel that, it is necessary to introduce a moral and ethical bent to the entire process to help students to attain the skills which would lead to the shaping of their careers and characters.

With the aim in view, Kamla Nehru Mahavidyalaya includes several co-curricular as well as extra curricular activities which ultimately help the student to not just get a degree but to mould and shape his character and personality while pursuing knowledge. Besides, the institution provides an atmosphere conducive to learning and growth, which enhances self development and finally boosts the morale and confidence of the student.

## Message from the Secretary

The institution has always motivated its students to attain qualitative excellence, which would procure to their overall development at individual as well as professional level. With globalization making education more complex and demanding, information and communication technologies (ICTs) infiltrating classrooms, there is an urgent need for updation in every field.

Hence the college not only imparts quality education, but also provides different platforms for the students to explore and identity their hidden talents and inborn skills. Classroom teaching-learning process is supplemented with study tour, projects, seminars, etc to provide experiential learning to the students. The institution gives a lot of exposure to the students at National as well as international levels. Apart from being the zonal Centre for training for IIM Kolkatta, the college organises several training & Placement drives for the students inorder to enable them to strengthen their career and face global challenges.



**Adv. Abhijeet Wanjarri**

Secretary, Amar Sewa Mandal  
Member of Management Council and  
Senate Member, RTM, Nagpur University, Nagpur

**2019-20 KNM**



# ABOUT US



Kamla Nehru Mahavidyalaya, which began with a simple vision of empowering students through the tool of education has achieved a distinguished stature in the field of learning today. The college has evolved from a small unit providing basic graduation courses to an advanced institution imparting training in disciplines of international relevance at graduate as well as post graduate levels. The institution has catered to the needs of diversified learners with reference to running several courses in streams of Science, Commerce, Arts and Management Studies. With more than 6200 students pursuing their careers in 21 different streams, the college has had the fortune of having linkages and tie ups with various institutes of National and international repute.

The college is a member of International Network for Quality Assurance Agencies in Higher Education (INQAAHE) Asia Pacific Quality Network (APQN). Besides it has academic and research collaboration with the University of Huddersfield, UK and the only Forensic Science University in the world i.e. The Gujarat Forensic Science University. The institution has a RTM Nagpur University recognised Research Centre in Physics, Chemistry, Electronics, Computer Science, Mathematics and Commerce.

The College also has good infrastructural Facilities such as spacious well - ventilated

class-rooms in adequate number, state-of-the-art research laboratories to facilitate teaching learning process; almost all the departments have access to computing facility, digital library accessible to all departments, conference hall and Auditorium for co-curricular and extracurricular activities, availability of ground in the form open auditorium for cultural activities etc.

#### **Salient Features :**

- Girl's Hostel
- Gymnasium
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- M-OPAC mobile based online public access catalogue
- AC Conference Hall
- Auditorium
- Canteen

#### **Support Services**

- NCC
- NSS
- Career Guidance and Placement Division
- Women's Cell
- Grievance Redressal Cell

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# Vision

**To move towards being :**

- ✎ Excellent and Efficient Professionals.
- ✎ Responsible and Sensible Citizens.
- ✎ Kind and Compassionate Human Beings.



# Mission

- ✎ To provide professional qualification laced with technical skills.
- ✎ To achieve innovation in teaching, learning, research and extension.
- ✎ To develop decision making capacity and to enable the youngsters to explore their own capability.
- ✎ To preserve our rich cultural, moral and humanistic values.
- ✎ To produce committed and better citizens and professionals.
- ✎ To infuse a competitive and fighting spirit among the students.
- ✎ To create creative, critical and analytical thinking.
- ✎ To equip the students with relevant knowledge and competence to face global challenges.
- ✎ To develop the personal human qualities like responsibility, sociability, self management, self esteem & integrity.
- ✎ To make the institution pioneer in providing excellent higher education through value based and career oriented programs and to ensure integrated development of the students through curricular and extracurricular activities.

# International Collaboration



Kamla Nehru Mahavidyalaya has signed the memorandum of understanding (MOU) with University of Huddersfield, West Yorkshire, U.K. to promote the collaboration in the following areas.

- ✎ Possible future exchange of students
- ✎ Exploration of collaborative research project.
- ✎ Exchange of teaching and research staff.
- ✎ Organisation of joint academic activities such as seminars, lectures, conferences.
- ✎ Exchange of academic materials and other information of common interest.



# What Makes Us DIFFERENT






Kamla Nehru Mahavidyalaya always strives to overcome its own benchmarks by constant dedication and tireless hard work. The legacy of our college is discipline and regular internal assessment. We are a college with difference and continuously work hard to remain different.

We have emerged as a brand in the field of education in Nagpur city.

Our attempts have been acknowledged by the UGC and our college has been reaccredited with 'A+' grade recently.

## WE ENSURE ACADEMIC EXCELLENCE

We are committed to promote academic excellence and to provide life skills.

-  **Regular classes with more than 90% attendance** - Regular classes are a special feature of our college which makes us a brand. We are proud of the large attendance in classrooms.
-  **Continuous assessment** - The students are continuously assessed. Class tests at regular intervals keep the students ready and alert.
-  **Efficient and energetic faculty members** - We have well qualified, efficient and extremely devoted faculty members who leave no stone unturned to train the students and to inculcate love for learning in them.

# Infrastructural Support System, We Provide



**Constant and rigorous training in research labs :** There are state-of-art research labs in subjects such as Physics, Electronics, Chemistry, Botany etc.

**Air conditioned Seminar Halls :** There are air conditioned Conference Hall with capacity of 200 people. The Auditorium has the seating arrangement for 400 people.

**Computer Support Services :** Information technology and computer support services are designed and updated continuously. Use of LCD Projectors is encouraged.

**Digital Classrooms :** Recently 7 digital classrooms with smart boards have been included to facilitate the teaching learning process and to connect the students to the world through electronic medium.

**Library :** The college library contains a very good collection of more than 40,000 relevant books and reference material for all the subjects. Many journals have also been subscribed.

**Reading Room / Learning Resource Centre :** There is a reading room with comfortable seating arrangement. The students can also access to e-library in the e-zone. They can use educational CDs, available here.

**Gymnasium :** The college has a Multi Stationed gym, having hi-tech equipments for exercise.

**Health Centre :** The college provides primary health services during emergencies.

**Hostels :** The college provides comfortable and safe accommodation for girls with all amenities in two hostels for the girls from other places. The hostel warden takes proper care of all matters.

**Women's Cell :** This cell takes special care of the female students as well as staff members. This cell counsels and guides the girls in academic and personal matters.

**Language Laboratory to develop soft skills :** Language lab has been set up for the students to develop the linguistic ability in listening and speaking skills.



# We Care For Professional Development & Practical Training

**Career guidance and placement Cell :** The cell takes care of the future career of the students. Proper guidance and expert counseling are provided. Co-ordination between the students and the companies is established. Every year many students are placed in lucrative positions.

**Career Oriented Programs :** Several career oriented programs are run by the college to provide employability skills for the students in Radiation Biology, Refrigeration, Business and Communicative English, Cooperative Banking.

**Links with the Industry :** Several established companies organized campus drive for placement. Many students are selected for jobs.

**Study Tours :** Study tours to national level institutions, industries, libraries, scientific centers etc. and excursions are organized every year to facilitate experimental learning.

**Courses in English Communication :** College organizes miscellaneous Certificate and Diploma Courses to develop communication skills in English regularly.

## WE INCULCATE MORAL VALUES

**Celebration of birth and death anniversaries of great leaders :** We commemorate the birth and death anniversaries of national heroes in the college. We organize lectures of eminent scholars on such occasions.

**Shardotsava :** We provide a platform to the students to explore their hidden talent in extra curricular' activities such as dance, drama, mimicry, singing etc. by organizing a one-week eagerly awaited cultural bonanza Shardotsava.

**NSS & NCC :** College has NSS and NCC units and regularly organizes an annual outdoor NSS camp in the adopted village.

**Blood donation camp :** To create a responsibility sense of towards the society, college organizes a blood donation camp on the occasion of the birth anniversary of the founder President Hon'ble Late Shri Govindraoji Wanjari on 10th August every year.

## INTERNATIONAL LINKAGES

The college is a member of Globally reputed organization like :

- International Network for quality assurance agencies in Higher Education (INQAAHE)
- Asia Pacific Quality Network (APQN)





## Arts Faculty

Medium : Marathi B.A. I, II & III

### Compulsory Subjects

- Compulsory English
- Compulsory Marathi

### Optional Subjects

(Any three of the following Groups)

- Marathi Literature / Economics
- Political Science / Sociology
- History / Home - Economics / Music / English Literature

### N.B. (See Carefully)

- Home-Economics subject is only for girls.
- Subjects offered in B.A. I will remain same for B.A. II & B.A. III
- Environmental Studies in a compulsory subject for B.A. II Students
- Music Subject is available for both boys and girls.

### Eligibility For Admission :

1. For B.A. I, Student must have passed H.S.S.C. (12th Std) Examination of Maharashtra State Board o S.S.C. & H.S.S.C. in relevant faculty or any other equivalent examination approved by RTM Nagpur University.
2. For B.A. II / B.A. III student must have passed Ist / IInd examination of the RTM Nagpur University or any other equivalent examination approved by the RTM Nagpur University or he/she must have got A.T.K.T. relief under the RTM Nagpur University rule.



## Commerce Faculty

### B.COM. I

#### Semester-I

- Financial Accounting-I
- Business Organization
- Company Law
- Business Economics -I
- Compulsory English
- Marathi / Supplementary English

#### Semester-II

- Statistics and Business Mathematics
- Business Management
- Secretarial Practice
- Business Economics - II
- Compulsory English
- Marathi / Supplementary English

### B.COM. II

#### Semester III

- Financial Accounting-II
- Business Communication & Management
- Business Law
- Monetary Economics -I
- Compulsory English
- Marathi / Supplementary English

#### Semester-IV

- Financial Accounting - III
- Skill Development
- Income Tax
- Monetary Economics - II
- Compulsory English
- Marathi / Supplementary English

### B.COM. III

#### Semester V

- Financial Accounting-IV
- Cost Accounting
- Management Process
- Indian Economics I
- Computerised Accounting
- Business Finance I

#### Semester VI

- Financial Accounting -V
- Management Accounting
- Advanced Statistics
- Indian Economics II
- Human Resource Management
- Business Finance II

#### NOTE-

1) Each paper carry 80 marks for University Theory Paper & 20 marks for Internal Assessment.  
2) Minimum passing marks shall be 40 including internal assessment & University theory papers put together.

### B.COM. I (Computer Application)

#### Semester-I

- English-I (Communication Skills)
- Financial Accounting
- Fundamentals of Computer
- Programming in 'C'
- Practical

#### Semester-II

- English -II (Communication Skills)
- Principles of Business Management
- E-Commerce and Web Designing
- Programming in 'C++'
- Practical

### B.COM. II (Computer Application)

#### Semester III

- Environmental Studies
- Business Economics
- Visual Basic Programming
- Database Management System
- Practical

#### Semester-IV

- Mathematics
- Business Law
- Core Java
- PHP & My SQL
- Practical

### B.COM. III (Computer Application)

#### Semester V

- Computerised Accounting Using Tally
- VB.NET
- SEC I:-
  - i) Management Information System
  - ii) System Analysis and Design
- DSCI:-
  - i) Cost and Management Accounting
  - ii) Corporate Accounting
- Practical

#### Semester VI

- C#.NET
- SEC II:-
  - i) Python
  - ii) Ruby on Rail
- DSC II:-
  - i) Entrepreneurship Development
  - ii) Company Law & Secretarial Practice
- Practical
- Project

NOTE - 1) Each paper carry 80 marks for University Theory Paper & 20 marks for Internal Assessment. 2) Minimum passing marks shall be 40 including internal assessment & University theory papers put together. 3) The candidate has to pass theory papers and Practical Paper separately.





## Science Faculty

Medium : English

### B.Sc. - I (Compulsory Subjects)

#### Semester-I

Compulsory English

Marathi / Supplementary English

#### Any one Group (Optional Groups)

- PCM Physics, Chemistry, Maths
- PEM Physics, Electronics, Maths
- EMCS Electronics, Maths, Computer Science
- PMCs Physics, Maths, Computer Science
- CMBt Chemistry, Microbiology, Biotechnology
- CBcBt Chemistry, Biochemistry, Biotechnology
- CBBt Chemistry, Botany, Biotechnology
- CZBt Chemistry, Zoology, Biotechnology
- BtBcZ Biotechnology, Biochemistry, Zoology
- BtBcB Biotechnology, Biochemistry, Botany
- CMBc Chemistry, Microbiology, Biochemistry
- CBBc Chemistry, Botany, Biochemistry
- CBZ Chemistry, Botany, Zoology
- CMZ Chemistry, Microbiology, Zoology
- CMB Chemistry, Microbiology, Botany
- CMEs Chemistry, Microbiology, Environmental Science
- CBEs Chemistry, Botany, Environmental Science
- CZEs Chemistry, Zoology, Environmental Science

**Combination Obtained in 1st semester will be repeated in all other semester.**

#### Eligibility for Admission :

1. For B.Sc. I Sem-I : Student should have passed H.S.S.C. (XII) Examination of Maharashtra State Board of SSC and HSSC in relevant faculty or any other equivalent examination approved by RTM, Nagpur University, Nagpur.
2. For B.Sc.-II year (Sem.III & Sem-VI) and S.Sc. III year (Sem-V & Sem-VI) : Student should have passed previous year examination of RTM Nagpur University, Nagpur or any other equivalent examination approved by RTM Nagpur University or He/She should have got A.T.K.T. relief under RTM Nagpur University rule.

**N.B.** Environmental Studies is compulsory subject for B.Sc. III Sem or VI Sem Optional group will remain same as per subjects of B.Sc. Sem-I.

## ENGLISH

### B.Sc.

#### Semester-1

Paper-I Compulsory English  
Paper-II Supplementary English  
Internal Assessment

#### Semester-II

Paper-I Compulsory English  
Paper-II Supplementary English  
Internal Assessment

## MARATHI

### B.Sc.

**Semester-I** Compulsory Marathi

**Semester-II** Compulsory Marathi  
Internal Assessment

## ELECTRONICS

### B.Sc.

#### Semester-I

Paper-I Electronics Components,  
Network Theorems  
Paper-II Fundamentals of Digital Electronics  
Practicals & Internal Assessment

#### Semester-II

Paper-I Semiconductor Devices  
Paper-II Advanced Digital Electronics  
Practicals & Internal Assessment

#### Semester-III

Paper-I Op-Amp And Power Supply  
Paper-II Electronic Circuit Design  
Practicals & Internal Assessment

#### Semester-IV

Paper-I Analogue And Digital Techniques  
Paper-II Electronic Instrumentation  
Practicals & Internal Assessment

#### Semester-V

Paper-I Electronics Communication  
Paper-II Fundamental of Microprocessor  
Practicals & Internal Assessment

#### Semester-VI

Paper-I Programming in 'C'  
Paper-II Microcontroller 8051  
Practicals & Internal Assessment

## CHEMISTRY

### B.Sc.

#### Semester-I

Paper-I Inorganic Chemistry  
Paper-II Physical Chemistry  
Practicals & Internal Assessment

#### Semester-II

Paper-I Organic Chemistry  
Paper-II Physical Chemistry  
Practicals & Internal Assessment

#### Semester-III

Paper-I Inorganic Chemistry  
Paper-II Organic Chemistry  
Practicals & Internal Assessment

#### Semester-IV

Paper-I Inorganic Chemistry  
Paper-II Physical Chemistry  
Practicals & Internal Assessment

#### Semester-V

Paper-I Organic Chemistry  
Paper-II Physical Chemistry  
Practicals & Internal Assessment

#### Semester-VI

Paper-I Inorganic Chemistry  
Paper-II Organic Chemistry  
Practicals & Internal Assessment

## PHYSICS

### B.Sc.

#### Semester-I

Paper-I Properties of matter and Mechanics  
Paper-II Electrostatics, Time varying fields  
and Electric Currents  
Practicals & Internal Assessment

#### Semester-II

Paper-I Oscillations, Kinetic theory of gases  
and Thermodynamics  
Paper-II Gravitation, Astrophysics,  
Magnetism and Magnetostatics  
Practicals & Internal Assessment

**Semester-III**

Paper-I Sound Waves, Applied acoustic,  
Ultrasonic and Power Supply

Paper-II Physical Optics and Electro  
Magnetic Waves

Practicals & Internal Assessment

**Semester-IV**

Paper-I Solid State Physics, X-ray & Laser

Paper-II Solid State Electronics and  
Molecular Physics

Practicals & Internal Assessment

**Semester-V**

Paper-I Atomic Physics  
Free electron theory, Statistical  
Physics

Paper-II Quantum Mechanics, nano  
Materials and Nano technology

Practicals & Internal Assessment

**Semester-VI**

Paper-I Relativity Nuclear Physics and  
Bio Physics

Paper-II Electronics Fiber Optics,  
Communication and Digital  
Electronics

Practicals & Internal Assessment

**MATHEMATICS****B.Sc.****Semester-I**

Paper-I Algebra and Trigonometry

Paper-II Calculus

Internal Assessment

**Semester-II**

Paper-I Geometry, Differential &  
Difference Equations

Paper-II Vector Calculus and  
Improper Integrals

Internal Assessment

**Semester-III**

Paper-I Advanced Calculus, Sequence &  
Series

Paper-II Differential Equations & Group  
Homomorphism

Internal Assessment

**Semester-IV**

Paper-I Partial Differential Equations &  
Calculus of Variation

Paper-II Mechanics

Internal Assessment

**Semester-V**

Paper-I Analysis

Paper-II Metric space, Complex integration

& Algebra

Internal Assessment

**Semester-VI**

Paper-I Abstract Algebra

**Optional**

Paper-II Special Theory of Relativity

Internal Assessment

**COMPUTER SCIENCE****B.Sc.****Semester-I**

Paper-I Programming in 'C'

Paper-II Fundamentals of Information  
Technology

Practicals & Internal Assessment

**Semester-II**

Paper-I Object Oriented Programming  
using C++

Paper-II System Analysis and Design

Practicals & Internal Assessment

**Semester-III**

Paper-I Data Structure

Paper-II Operating System

Practicals & Internal Assessment

**Semester-IV**

Paper-I Java Programming

Paper-II Linux Operating System

Practicals & Internal Assessment

**Semester-V**

Paper-I Visual Basic Programming

Paper-II Database Management system

Practicals & Internal Assessment

**Semester-VI**

Paper-I Compiler Construction

Paper-II SQL and PL/SQL

Practicals & Internal Assessment

**BIOTECHNOLOGY****B.Sc.****Semester-I**

Paper-I Microbiology

Paper-II Macromolecules

Practicals & Internal Assessment

**Semester-II**

Paper-I Microbiology and Cell Biology

Paper-II Cell Constituents and Enzymology

Practicals & Internal Assessment



**Semester-III**

Paper-I Metabolism  
Paper-II Biophysical Techniques I  
Practicals & Internal Assessment

**Semester-IV**

Paper-I Immunology  
Paper-II Biostatistics & Biophysical Techniques  
Practicals & Internal Assessment

**Semester-V**

Paper-I Molecular Biology  
Paper-II Molecular Biology and recombinant  
DNA Technology  
Practicals & Internal Assessment

**Semester-VI**

Paper-I Applications of Biotechnology  
Paper-II Plant & Animal Biotechnology  
Practicals & Internal Assessment

**MICROBIOLOGY****B.Sc.****Semester-I**

Paper-I History and Microbial Morphology  
Paper-II Microbial Diversity  
Practicals & Internal Assessment

**Semester-II**

Paper-I Microbial Physiology  
Paper-II Microbial Techniques  
Practicals & Internal Assessment

**Semester-III**

Paper-I Chemistry of Organic Constituents  
and Enzymology  
Paper-II Industrial Microbiology  
Practicals & Internal Assessment

**Semester-IV**

Paper-I Metabolism  
Paper-II Applied Microbiology  
Practicals & Internal Assessment

**Semester-V**

Paper-I Medical Microbiology  
Paper-II Molecular Biology &  
Bioinstrumentation  
Practicals & Internal Assessment

**Semester-VI**

Paper-I Immunology  
Paper-II Biotechnology  
Practicals & Internal Assessment

**BIOCHEMISTRY****B.Sc.****Semester-I**

Paper-I Biomolecular and Human physiology  
Paper-II Microbiology and Virology  
Practicals & Internal Assessment

**Semester-II**

Paper-I Human Physiology  
Paper-II Microbiology and Immunology  
Practicals & Internal Assessment

**Semester-III**

Paper-I Macromolecules  
Paper-II Biophysical Techniques  
Practicals & Internal Assessment

**Semester-IV**

Paper-I Enzymology  
Paper-II Biophysical and Biochemical  
Techniques  
Practicals & Internal Assessment

**Semester-V**

Paper-I Metabolism (I)  
Paper-II Molecular Biology  
Practicals & Internal Assessment

**Semester-VI**

Paper-I Metabolism (II)  
Paper-II Molecular biology and recombinant  
DNA Technology  
Practicals & Internal Assessment

**BOTANY****B.Sc.****Semester-I**

Paper-I Viruses, Prokaryotes and Algae  
Paper-II Fungi, Lichen, Plant pathology and  
Bryophyta  
Practicals & Internal Assessment

**Semester-II**

Paper-I Pteridophyta and Gymnosperm  
Paper-II Paleobotany & Morphology of  
Angiosperm  
Practicals & Internal Assessment

**Semester-III**

Paper-I Angiosperm Taxonomy  
Paper-II Cell Biology, Plant Breeding and  
Evolution  
Practicals & Internal Assessment

#### **Semester-IV**

Paper-I Angiosperm Anatomy and Embryology

Paper-II Genetics and Molecular Biology  
Practicals & Internal Assessment

#### **Semester-V**

Paper-I Biochemistry and Plant Physiology

Paper-II Plant Ecology  
Practicals & Internal Assessment

#### **Semester-VI**

Paper-I Plant physiology II & Biotechnology

Paper-II Plant Ecology II, Techniques & Utilization of plants

Practicals & Internal Assessment

## **ZOOLOGY**

### **B.Sc.**

#### **Semester-I**

Paper-I Life and Diversity of animal Non-Chordate (Protozoa to Annelid)

Paper-II Environmental Biology  
Practicals & Internal Assessment

#### **Semester-II**

Paper-I Life and Diversity of Animal Non-Chordate (Anthropoid to Hemichordate)

Paper-II Cell Biology  
Practicals & Internal Assessment

#### **Semester-III**

Paper-I Life and Diversity of Animals Chordates (Protochordata to Amphibia)

Paper-II Genetics  
Practicals & Internal Assessment

#### **Semester-IV**

Paper-I Life and Diversity of Animals Chordates (Reptilia, Aves & Mammals)

Paper-II Molecular Biology and Immunology  
Practicals & Internal Assessment

#### **Semester-V**

Paper-I General Mammalian Physiology

Paper-II Applied zoology (Aquaculture and Economic Entomology)

Practicals & Internal Assessment

#### **Semester-VI**

Paper-I General Mannalian Physilogy-II

Paper-II Applid Zoology-11

Practicals & Internal Assessment

## **ENVIRONMENTAL SCIENCE**

### **B.Sc.**

#### **Semester-I**

Paper-I Fundamentals of Environmental Science

Paper-II Environmental Ecology  
Practicals & Internal Assessment

#### **Semester-II**

Paper-I Introduction to Water & Soil Chemistry

Paper-II Introduction to Ecosystem & Biodiversity

Practicals & Internal Assessment

#### **Semester-III**

Paper-I Environmental Chemistry and Instrumentation

Paper-II Environmental Microbiology and Water Treatment

Practicals & Internal Assessment

#### **Semester-IV**

Paper-I Soil Pollution & Waste Management

Paper-II Natural Resources and GIS

Practicals & Internal Assessment

#### **Semester-V**

Paper-I Principle of Air & Noise Pollution

Paper-II Environmental Management

Practical & Internal Assessment

#### **Semester-VI**

Paper-I Water Pollution: Monitoring & Management

Paper-II Water Supply & Wastewater Treatment



Hon'ble Dr. Dhanraj Mane, Director, Higher Education, Maharashtra State, inaugurate one day symposium on Forensic Science.



### MASTER OF ARTS (M.A)

- English
- Marathi
- Economics
- Political Science
- Sociology
- History

### MASTER OF COMMERCE (M.COM)

- Medium : English & Marathi

### MASTER OF SCIENCE (M.Sc.)

- Physics
- Chemistry
- Mathematics
- Electronics
- Computer Science
- Biotechnology
- Microbiology
- Biochemistry
- Environmental Science
- Botany
- Zoology

### MASTER OF ARTS (M.A.) English

#### M.A.-I

##### Semester-I

- Paper-I English Poetry from Chaucer to Milton
- Paper-II English Renaissance Theatre
- Paper-III Indian Writing in English-1
- Paper-IV The English Novel -I

##### Semester-II

- Paper-1 Restoration & 18<sup>th</sup> Century English Literature
- Paper-II Modern English Drama
- Paper-III Post Colonial Literature-I
- Paper-IV The English Novel-II

##### Semester-III

- Paper-I Literacy Criticism and Theory-I
- Paper-II Romantic and Victorian Poetry
- Paper-III Post Colonialism and Literature
- Paper-IV Teaching of English Language & Literature-I

##### Semester-IV

- Paper-I Literary Criticism and Theory-II
- Paper-II Twentieth Century Poetry
- Paper-III Indian Writing in English-II
- Paper-IV Teaching of English Language & Literature-II





## POLITICAL SCIENCE

### M.A.-I

#### Semester-I

- Paper-I Modern Indian Political Thought (Compulsory)
- Paper-II Indian Government & Politics
- Paper-III Modern Political Ideologies
- Paper-IV Theory of Practice of Diplomacy (Optional)

#### Semester-II

- Paper-I Comparative Politics
- Paper-II Western Political Thought
- Paper-III International Relations
- Paper-IV Political Sociology (Optional)

### M.A.-II

#### Semester-III

- Paper-I Research Methodology
- Paper-II Public Administration
- Paper-III Political of Maharashtra (Optional)
- Paper-IV Local Self-Government (Optional)

#### Semester-IV

- Paper-I State Politics in India
- Paper-II Indian Administration
- Paper-III Pressure Groups & Social Movement (Optional)
- Paper-IV Human Rights and Indian Constitution

## SOCIOLOGY

### M.A.-I

#### Semester-I

- Paper-I Classical Sociological Thinking
- Paper-II Quantitative Methods in Social Research
- Paper-III Sociology of Religion
- Paper-IV Gender and Society

### Semester-II

- Paper-I Classical Theoretical Foundation
- Paper-II Qualitative Methods in Social Research
- Paper-III Social Movement in India
- Paper-IV Women in Indian Society

### M.A.-II

#### Semester-III

- Paper-I Orientation in Sociological Theory
- Paper-II Sociological of change and Development
- Paper-III Sociology of Education
- Paper-IV Rural Society in India

#### Semester-IV

- Paper-I Recent Trends in Sociological Theory
- Paper-II Perspectives on Indian Society
- Paper-III Education and Society in India
- Paper-IV Contemporary Sociology

## HISTORY

### M.A.-I

#### Semester-I

- Paper-I Compulsory Historiography
- Paper-II India under Company's Rule (1757-1856)
- Paper-III Indian National Movement (1905-1947)
- Paper-IV Compulsory Modern World (1914-1950)

#### Semester-II

- Paper-I Trends and Theories of History
- Paper-II India under British Rule (1857-1905)
- Paper-III Independent India (1947-2000)
- Paper-IV Contemporary World (1950-2000)

### M.A.-II

#### Semester-III

- Paper-I Emergence of Maratha Power in 17th Century
- Paper-II A State in Ancient & Medieval India
- Paper-III Economic History of India (1757-1857)
- Paper-IV History of medieval Vidarbha

#### Semester-IV

- Paper-I Expansion of Maratha Power (1707-1818)
- Paper-II State in British India
- Paper-III Economic History of India (1858-1947)
- Paper-IV History of Modern Vidarbha

## MARATHI

### M.A.-I

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## ECONOMICS

### M.A.-I

#### Semester- I

- Paper-I Micro Economics Analysis-I
- Paper- II Macro Economics Analysis-II
- Paper-III Trade Cycle
- Paper-IV Public Economics-I

#### Semester- II

- Paper- I Micro Economics Analysis-I
- Paper-II Macro Economics Analysis-II
- Paper-III Rural Economy and Social Change
- Paper-IV Public Economy-II

### M.A.-II

#### Semester-III

- Paper-I Economics Growth &  
Development-I
- Paper-II Internal Trade & Finance-I
- Paper-III Labour Economics
- Paper-IV Research Methodology-I

### Semester-IV

- Paper- I Economics Growth and  
Development-II
- Paper-II International Trade & Finance-II
- Paper-III Rural Development
- Paper-IV Research Methodology-II

**Note :** For M.A. (Semester) each paper will be of 100 marks with internal assessment (20 marks each)

## MASTER OF COMMERCE (M. Com.)

Medium : English & Marathi

### M. Com -I

#### Semester-I

- Advanced Financial Accounting
- Indian Financial System
- Managerial Economics
- Marketing Management

#### Semester-II

- Research Methodology
- Advance Cost Accounting
- Co-Operation
- Human Resources Management

### M. Com - II

#### Semester-III

- Advanced Management Accounting
- Statistical Technique
- Direct Taxes
- Service Sector Management

#### Semester-IV

- International Business Environment
- Project
- Indirect Taxes
- Company Law

#### Note :

- 1) Each paper carry 80 marks for University Theory Paper & 20 marks for Internal Assessment.
- 2) Minimum passing marks shall be 40% including internal assessment & University theory papers put together individually and 50% in Aggregate.
- 3) The Project shall carry 100 marks (50 Marks for Project work and 50 for viva voce)

## MASTER OF SCIENCE (M. Sc.) M.Sc. PHYSICS (CBCS)

### M. Sc. -I

#### Semester-I

- Paper-I Mathematical Physics
- Paper-I Complex Analysis & Numerical Methods.
- Paper-III Electronics
- Paper-IV Electrodynamics -I
- Practical-I
- Practical-II
- Internal Assessment & Seminar

#### Semester-II

- Paper-I Quantum Mechanics I
- Paper-II Statistical Physics
- Paper-III Classical Mechanics
- Paper-IV Electrodynamics - II
- Practical-I
- Practical-II
- Internal Assessment & Seminar

### M.Sc-II

#### Semester-III

- Paper-I Quantum Mechanics II
- Paper-II Solid State Physics & Spectroscopy
- Paper-III (Elective Paper-I) Material Science-I
- Paper-IV (Subject Centric) Nanoscience & Nanotechnology
- Practical-I
- Practical-II
- Internal Assessment & Seminar

#### Semester-IV

- Paper-I Nuclear and Particle Physics
- Paper-II Solid State Physics
- Paper-III (Elective Paper) Material Science-II
- Paper-IV (Subject Centric) Communication Electronics
- Practical
- Project
- Internal Assessment & Seminar



## M. Sc. CHEMISTRY (CBCS)

### M. Sc. -I

#### Semester-I

- Paper-I Inorganic Chemistry
- Paper-II Organic Chemistry
- Paper-III Physical Chemistry
- Paper-IV Analytical Chemistry
- Practical-I Inorganic Chemistry
- Practical-II Physical Chemistry
- Internal Assessment & Seminar

#### Semester-II

- Paper-I Inorganic Chemistry
- Paper-II Organic Chemistry
- Paper-III Physical Chemistry
- Paper-IV Analytical Chemistry
- Practical-I Organic Chemistry
- Practical-II Analytical Chemistry
- Internal Assessment & Seminar

### M.Sc-II

#### Semester-III

- Paper-I Special I - Organic Chemistry
- Paper-II Special II - Organic Chemistry
- Paper-III Elective - Polymer Chemistry
- Paper-IV Spectroscopy-I
- Practical-I Special - Organic
- Practical-II Elective - Polymer
- Internal Assessment & Seminar

#### Semester-IV

- Paper-I Special I - Organic Chemistry
- Paper-II Special II - Organic Chemistry
- Paper-III Elective - Polymer Chemistry
- Paper-IV Spectroscopy-II
- Practical-I Special - Organic Chemistry
- Practical II Project
- Internal Assessment & Seminar



## M. Sc. MATHEMATICS (CBCS)

### M.Sc.-I

#### Semester-I

- Paper-I Algebra -1
- Paper-II Real Analysis -1
- Paper-III Topology -1
- Paper-IV Linear Algebra & Differential Equations
- Paper-V Integral Equations

#### Semester-II

- Paper-I Algebra - II
- Paper-II Real Analysis - II
- Paper-III Topology - II
- Paper-IV Differential Geometry
- Paper-V Classical Mechanics

### M.Sc.-II

#### Semester-III

- Paper-1 Complex Analysis
- Paper-II Functional Analysis
- Paper-III Mathematical Methods
- Paper-IV General Relativity
- Paper-V Operation Research I

#### Semester-IV

- Paper-I Dynamical Systems
- Paper-II Partial Differential Equations
- Paper-III Advanced Numerical Methods
- Paper-IV Cosmology
- Paper-V Operation Research - II

## M. Sc. ELECTRONICS (CBCS)

### M. Sc. -I

#### Semester-I

- Paper-I Fundamentals of Semiconductor devices
- Paper-II Digital design and application
- Paper-III Advanced Microprocessors
- Paper-IV Programming in C
- Practical-I I-Lab Course I- Analog and digital Electronics Lab
- Practical-II II-Lab course II- Computer Interfacing & Programming in C
- Internal Assessment & Seminar

### Semester- II

- Paper- I Embedded systems & application
- Paper-II Biomedical Instrumentation
- Paper-III Computer organization and Interfacing
- Paper-IV Virtual Instrumentation
- Practical-I Lab Course III-Microcontroller and Interfacing
- Practical-II Lab course IV-Virtual Instrumentation and Programming in Lab View
- Internal Assessment & Seminar

### M.SC.-II

#### Semester-III

- Paper-I Network Analysis and Synthesis
- Paper-II Fuzzy Logic and Artificial Neural Networks
- Paper-III Digital Signal Processing
- Paper-IV Mechatronics
- Practical-I Lab Course V- Network Analysis; Fuzzy Logic and Artificial Neural Network using MATLAB
- Practical-II Lab course VI-Digital Signal using MATLAB and mechatronics/Digital Image Processing
- Internal Assessment & Seminar

#### Semester-IV

- Paper-I Electromagnetic Fields & Antennas
- Paper-II Digital Communication
- Paper-III Microwave & Optical Communication
- Paper-IV Mobile & Satellite Communication
- Practical-I Lab Course VII-Antenna and Digital Communication Lab; and Microwave & Optical
- Project Project
- Internal Assessment & Seminar



## M. Sc. COMPUTER SCIENCE (CBCS)

### M. Sc. -I

#### Semester-I

- Paper-I Discrete Mathematical Structure
- Paper-II Programming in Java
- Paper-III Digital Electronics & Microprocessor
- Paper-IV Advanced DBMS & Administration
- Practical-I Based on Theory Paper 1 and 2
- Practical-II Based on Theory Paper 3 and 4
- Seminar

#### Semester-II

- Paper-I Windows Programming using VC++
- Paper-II Theory of computational and Compiler Construction
- Paper-III Computer Architecture & Organization
- Paper-IV Computer Graphics
- Practical-I Based on Theory Paper 1 and 2
- Practical-II Based on Theory Paper 3 and 4
- Seminar

### M.Sc.-II

#### Semester-III

- Paper-I Data Communication & Networks
- Paper-II Software Engineering
- Paper-III Elective-1 Neural Network  
2 Multimedia Technologies  
3 ASP.NET
- Paper-IV Foundation Course I  
1 Operating System Concepts  
2 Mobile Computing
- Practical-I Based on theory paper - 1 and 2
- Practical-II Based on theory paper - 3 and 4
- Seminar

#### Semester-IV

- Paper-I Data Mining
- Paper-II Artificial Intelligence & Expert Systems
- Paper-III Elective-II  
1 Designs Analysis of Algorithm  
2 Embedded Systems  
3 Pattern Recognition

- Paper-IV Foundation Course 2  
1 Advances in Information Technology  
2 Parallel Computing
- Practical Based on theory papers
- Project
- Seminar

## M. Sc. BIOTECHNOLOGY (CBCS)

### M. Sc. -I

#### Semester-I

- Paper-I Cell Biology and Enzymology
- Paper-II Molecular Biology
- Paper-III Biomolecules
- Paper-IV Biophysical Techniques
- Practical-I Cell Biology and Enzymology
- Practical-II Macromolecules and Analytical Techniques
- Internal Assessment & Seminar

#### Semester-II

- Paper-I Microbiology
- Paper-II Immunology
- Paper-III Fundamentals of Genetic Engineering
- Paper-IV Applied Molecular Biology
- Practical-I Microbiology & Immunology
- Practical-II Genetic Engineering & Molecular Biology
- Internal Assessment & Seminar

### M.Sc.-II

#### Semester-III

- Paper-I Genetic Engineering & its Applications
- Paper-II Plant Biotechnology
- Paper-III Core Elective A or B -  
A. Industrial Biotechnology-I  
B. Environmental Biotechnology-I
- Paper-IV Diagnostic Medical Biotechnology
- Practical-I Genetic Engineering & Plant Biotechnology
- Practical-II Core Elective A or B -  
A. Industrial Biotechnology  
B. Environmental Biotechnology
- Internal Assessment & Seminar

#### Semester-IV

- Paper-I Animal Biotechnology
- Paper-II Biostatistics, Bioinformatics, Ethics & Patenting
- Paper-III Core A. Industrial Biotechnology-II  
Elective (AorB) B. Environmental Biotechnology-II
- Paper-IV Therapeutic Medical Biotechnology
- Practical-I Animal Biotechnology, Biostatistics, Bioinformatics, Ethics & Patenting  
A. Industrial Biotechnology-II or  
B. Environmental Biotechnology-II
- Project Internal Assessment & Seminar

## M. Sc. MICROBIOLOGY (CBCS)

### M.Sc.-I

#### Semester-I

- Paper-I Microbial Metabolism
- Paper-II Enzymology and Techniques
- Paper-III Advance Techniques in Microbiology
- Paper-IV Membrane Structure & Signal Transduction
- Practical-I and Practical-II
- Internal Assessment & Seminar

#### Semester-II

- Paper-I Microbial Methods for Environment Management
- Paper-II Microbial Metabolites
- Paper-III Medical Microbiology & Parasitology
- Paper-IV Immunology and Immunodiagnostics
- Practical-III and and Practical-IV
- Internal Assessment & Seminar

### M. Sc. - II

#### Semester-III

- Paper-I Molecular Biology and Genetics
- Paper-II Recombinant DNA Technology & Nanobiotechnology
- Paper-III Elective Paper, Any one of the following
  1. Microbial Diversity, Evolution & Ecology
  2. Bioinformatics
  3. Drugs Vaccines & Delivery System
- Paper-IV Foundation Course Drug and Disease Management
- Practical-V and Practical VI
- Internal Assessment & Seminar

#### Semester-IV

- Paper-I Virology
- Paper-II Microbial Fermentation
- Paper-III Any one of the following
  1. Microbial Diversity, Evolution and Ecology
  2. Bioinformatics
- Paper-IV Foundation Course Vaccines and delivery system
- Practical-VII Project
- Internal Assessment & Seminar

## M. Sc. BIOCHEMISTRY (CBCS)

### M. Sc. -I

#### Semester-I

- Paper-I Protein Biochemistry
- Paper-II Advance Enzymology
- Paper-III Biochemical Research Technique
- Paper-IV Plant Biochemistry
- Practical-I • Practical-II
- Internal Assessment & Seminar

#### Semester-II

- Paper-I Immunology
- Paper-II Clinical Biochemistry
- Paper-III Cell Biochemistry
- Paper-IV Molecular Biology
- Practical-I • Practical-II
- Internal Assessment & Seminar

### M. Sc. - II

#### Semester-III

- Paper-I Advanced Molecular Biology
- Paper-II Biotechnology
- Paper-III A. (Elective) Toxicology (Biochemical and Environmental Toxicology) or B. Nutrition (Nutritional Biochemistry)
- Paper-IV Bioresearch Techniques-I
- Practical-I • Practical-II
- Internal Assessment & Seminar

#### Semester-IV

- Paper-I Advanced Clinical Biochemistry
- Paper-II Advanced Immunology
- Paper-III (Elective) A. Toxicology (Clinical Research) or B. Nutrition (Applied Nutrition Biochemistry)
- Paper-IV Bioresearch Techniques-I
- Practical • Project
- Internal Assessment & Seminar

## M. Sc. ENVIRONMENTAL SCIENCE

### M. Sc. -I

#### Semester-I

- Paper-I Environmental Chemistry
- Paper-II Atmospheric Science
- Paper-II Environmental Biology
- Paper-IV Environmental Microbiology and Biotechnology
- Practical- (A) Environmental Chemistry and Atmospheric Science
- Practical- (B) Environmental Biology, Environmental Microbiology and Biotechnology
- Internal Assessment & Seminar

#### Semester-II

- Paper-I Environmental Ecosystem and Biodiversity
- Paper-II Natural Resource Management
- Paper-III Environmental Sampling and Research Methodology
- Paper-IV Analytical Technique for Environmental Monitoring
- Practical- (A) Environmental ecosystem and Management
- Practical- (B) Natural Resource Management
- Practical-II (A) Industrial Chemistry
- Practical- (B) Analytical Technique
- Internal Assessment & Seminar



### M.Sc.-II

#### Semester-III

- Paper-I Physico-Chemical Treatment of Water and Waste Water
- Paper-II Biological Process in Waste Water Treatment
- Paper-III Water and Waste Treatment (Elective-I) OR Water Supply & Resources (Elective-II)
- Paper-IV Fundamental of Environmental Science-I (Foundation-I) OR Advance Water and Waste Water Treatment (Core-I)
- Practical-I Physico-Chemical Treatment of Water and Waste Water and Biological Process in Waste Water Treatment.
- Practical-II Water and Waste Treatment (Elective-I) OR Water Supply and Resources (Elective-II)

#### Semester-IV

- Paper-I Air and Noise Pollution Control Technology
- Paper-II Solid and Hazardous Waste Management
- Paper-III Environmental Impact Assessment and Legislation (Elective-I) OR Environmental Management (Elective-II)
- Paper-IV Fundamental Of Environmental Science-II (Foundation-II) OR Disaster Management (Core II)
- Practical- Air and Noise Pollution Control Technologies and Solid and Hazardous Waste Management and EIA and Legislation
- Project and Seminar



## M. Sc. BOTANY

### M. Sc. -I

#### Semester-I

- Paper-I Microbiology, Algae, Fungi
- Paper-II Bryophytes and Pteridophytes
- Paper-III Paleobotany and Gymnosperms
- Paper-IV Cytology and Genetics
- Practical-I Algae, Fungi, Bryophytes
- Practical-II Pteridophytes, Gymnosperms Paleobotany and Cytogenetic
- Internal Assessment & Seminar

#### Semester-II

- Paper-I Plant Physiology and Biochemistry
- Paper-II Plant Development and Reproduction
- Paper-III Cell and Molecular Biology I
- Paper-IV Angiosperm I & Ethnobotany
- Practical-I Plant Physiology, Biochemistry, Plant Development & Reproduction
- Practical-II Cell and Molecular Biology and Angiosperm-I & Ethnobotany
- Internal Assessment & Seminar

### M. Sc. - II

#### Semester-III

- Paper-I Plant Ecology & Conservation Biology
- Paper-II Angiosperm II
- Paper-III Molecular Biology & Plant Biotechnology (Special-1)
- Paper-IV Foundation Course-I (Aesthetic Botany)
- Practical-I Plant Ecology & Conservation Biology, Angiosperm-II
- Practical-II Molecular Biology & Plant Biotechnology (Special-I) Molecular Biology & Plant Biotechnology (Special -I)
- Internal Assessment & Seminar

#### Semester-IV

- Paper-I Cell and Molecular Biology II
- Paper-II Plant Biotechnology & Plant Breeding
- Paper-III Molecular Biology and Plant Biotechnology (Special-II)
- Paper-IV Foundation Course-II Plant Resources
- Practical-I
- Project Project
- Internal Assessment & Seminar

## M. Sc. ZOOLOGY

### M.Sc.-I

#### Semester-I

- Paper-I Structure and function of Invertebrates
- Paper-II General Physiology
- Paper-III Cell Biology and Genetics
- Paper-IV Advanced Reproductive Biology
- Practical-I
- Practical-II
- Internal Assessment & Seminar

#### Semester-II

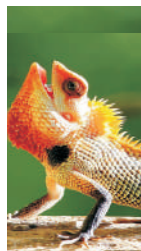
- Paper- V Structure and Function of Vertebrates
- Paper-VI Comparative Endocrinology
- Paper-VII Molecular Biology and Biotechnology
- Paper-VIII Advanced Developmental Biology
- Practical-I
- Practical-II
- Internal Assessment & Seminar

#### Semester- III

- Paper- IX Parasitology and Immunology
- Paper-X Special Group-Cell Biology-I
- Paper-XI Special Group-Cell Biology-II
- Paper- XII Wild Life and Avian Biology

#### Semester- IV

- Paper-XIII Biotechniques, Biostatistics, Ethology, Toxicology and Bioinformatics
- Paper-XIV Special Group-Cell Biology-III Molecular Cell Biology .
- Paper-XV Special Group-Cell Biology-IV Applied Biotechnology
- Paper- XVI Radiation and Chronobiology
- Practical-I and Project
- Internal Assessment & Seminar



## DEPARTMENT OF MANAGEMENT

### B.B.A. - I

#### Semester I

- English
- Fundamentals Of Business Management
- Computer Application For Business
- Cost Accounting

#### Semester II

- Principles Of Marketing Management
- Financial S Management Accounting
- Micro-economics Fundamentals
- English

### B.B.A.-II

#### Semester III

- Principles Of Financial Management
- Basic Statistical Technique
- Evolution Of Business & Commercial Geography
- Environment Management

#### Semester IV

- Principles Of Human Resource Management
- Money, Banking And Finance
- Introduction To Sociology & Psychology
- Business Legislation

### B.B.A. III

#### Semester V

- Entrepreneurship Development
- Principles Of Operation Management
- International Business Environment
- Research Methodology

#### Semester VI

- Elective Paper-I (BBEL1)
- Elective Paper-II (BBEL2)
- Project Work (BBPW)

### Elective A - Financial Management

- Paper 1 - Fundamentals Of Business Finance
- Paper 2 - Advanced Financial Management

### Elective B - Human Resource Management

- Paper 1 - Fundamentals Of Human Resource Management
- Paper 2 - Advanced Human Resource Management

### Elective C - Marketing Management

- Paper 1 - Fundamentals Of Marketing Management
- Paper 2 - Advanced Marketing Management

#### Note -

- 1) Each Paper Carry 80 Marks for University Theory Paper & 20 Marks for Internal Assessment
- 2) Minimum passing marks shall be 40 including Internal Assessment & University Theory Papers put together.
- 3) The Candidate has to pass theory Papers and Practical Paper separately
- 4) Every Student Appearing For BBA - 6th Semester Examination has to select any one of the specialization as elective subject before commencement of the Academic Session

### MBA

- The Dept. of Management offers following specializations for MBA Course.

#### Core Group

- Marketing Management
- Financial Management
- Human Resource Management

#### Complementary Group

- Operation Management
- Service Sector Management



# BACHELOR OF COSMETIC TECHNOLOGY

## (B. TECH.) For Boys & Girls

### Eligibility for Admission For B.Tech. - I

Student should have passed H.S.S.C. (12th std.) examination of Maharashtra State Board of Secondary and Higher Secondary education or an examination recognized as equivalent there to with English, Physics, Chemistry, Biology or Mathematics and English as subjects and with not less than 45% for open of marks for open category and 40% for Reserved of marks for Reserved category in the subjects Physics, Chemistry and Biology or Mathematics taken together at one sitting.

#### B. Tech. Semester-I

Paper-I	Cosmetic Chemistry
Paper-II	Anatomy and Physiology
Paper-III	Organic Chemistry
Paper-IV	Physical Chemistry
Paper-V	Natural Cosmetic Agents
Paper-VI	Elementary Mathematics
Practical-I	Cosmetic Chemistry
Practical-II	Anatomy and Physiology
Practical-III	Organic Chemistry
Practical-IV	Physical Chemistry
Practical-V	Natural Cosmetic Agents

#### B. Tech. Semester-II

Paper-I	Cosmetic Chemistry
Paper-II	Anatomy and Physiology
Paper-III	Organic Chemistry
Paper-IV	Physical Chemistry
Paper-V	Natural Cosmetic Agents
Paper-VI	English Communication Skills
Practical-I	Cosmetic Chemistry
Practical-II	Anatomy and Physiology
Practical-III	Organic Chemistry
Practical-IV	Physical Chemistry
Practical-V	Natural Cosmetic Agents

#### B. Tech. Semester-III

Paper-I	Cosmetic Technology
Paper-II	Instrumental Methods of Analysis
Paper-III	Cosmetic Engineering
Paper-IV	Cosmetic Chemistry
Paper-V	Drugs and Cosmetic Laws
Paper-VI	Introductory Pharmacology & Toxicology
Practical-I	Cosmetic Technology
Practical-II	Instrumental Methods of Analysis
Practical-III	Cosmetic Engineering
Practical-IV	Cosmetic Chemistry
Practical-V	Beauty Culture

#### B. Tech. Semester-IV

Paper-I	Cosmetic Technology
Paper-II	Instrumental Methods of Analysis
Paper-III	Cosmetic Engineering
Paper-IV	Cosmetic Chemistry
Paper-V	Drugs and Cosmetic Laws
Paper-VI	Introductory Pharmacology & Toxicology
Practical-I	Cosmetic Technology
Practical-II	Instrumental Methods of Analysis
Practical-III	Cosmetic Engineering
Practical-IV	Cosmetic Chemistry
Practical-V	Beauty Culture

#### B. Tech. Semester-V

Paper-I	Perfumes
Paper-II	Cosmetic Technology
Paper-III	Principles of Cosmetics
Paper-IV	Cosmetic Engineering
Paper-V	Beauty Culture
Paper-VI	Pharmacology & Interactions
Practical-I	Perfumes
Practical-II	Cosmetic Technology
Practical-III	Principles of Cosmeceutics
Practical-IV	Cosmetic Engineering
Practical-V	Beauty Culture

#### B. Tech. Semester-VI

Paper-I	Perfumes
Paper-II	Cosmetic Technology
Paper-III	Principles of Cosmeceutics
Paper-IV	Cosmetic Engineering
Paper-V	Beauty Culture
Paper-VI	Pharmacology & Interactions
Practical-I	Perfumes
Practical-II	Cosmetic Technology
Practical-III	Principles of Cosmeceutics
Practical-IV	Cosmetic Engineering
Practical-V	Beauty Culture

#### B. Tech. Semester-VII

Paper-I	Perfumes & Colours
Paper-II	Cosmetic Technology
Paper-III	Plant Design
Paper-IV	Quality Assurance Techniques
Paper-V	Herbal Cosmetics
Paper-VI	Organization & Management of Industries
Practical-I	Perfumes & Colours
Practical-II	Cosmetic Technology
Practical-III	Plant Design
Practical-IV	Quality Assurance Techniques
Practical-V	Herbal Cosmetic

#### B. Tech. Semester-VIII

Paper-I	Perfumes & Colours
Paper-II	Cosmetic Technology
Paper-III	Plant Design
Paper-IV	Quality Assurance Techniques
Paper-V	Herbal Cosmetics
Paper-VI	Organization & Management of Industries
Practical-I	Perfumes & Colours
Practical-II	Cosmetic Technology
Practical-III	Plant Design
Practical-IV	Quality Assurance Techniques
Practical-V	Herbal Cosmetic



## M. TECH IN COSMETIC TECHNOLOGY

Eligibility for Master of Cosmetic Technology  
For M. Tech. Semester I

- Candidate shall have passed Bachelor of Cosmetic Technology examination or equivalent from Rashtrasant Tukadoji Maharaj Nagpur University or any other statutory University of India or Abroad, recognized by the UGC or any other concerned apex regulatory authority/board of India.

### M.Tech SEM I

- Paper-I Formulation & Development-I
- Paper-II Quality Assurance Technique-I
- Paper-III Research Methodology
- Paper-IV Advance Cosmetic Technology
- Practical-I Formulation & Development-I
- Practical-II Quality Assurance Technique-I
- Practical-III Research Methodology

### M.Tech. SEM II

- Paper-I Formulation & Development- II
- Paper-I Advance Cosmetic Technology-II
- Paper-III Statistics & Qualitative Techniques
- Paper-IV Natural Products
- Practical-I Formulation & Development-II
- Practical-II Advance Cosmetic Technology-II
- Practical-III Statistics & Qualitative Techniques

### M.Tech SEM III

- Paper-I Advance Cosmetic Technology-III
- Paper-II Quality Assurance Techniques-II
- Paper-III Elective I - Skin Care Cosmetics OR Elective II - Hair Care Cosmetics
- Paper-IV Research Designing & Planning
- Practical-I Advance Cosmetic Technology-III
- Practical-II Elective I - Skin Care Cosmetics or Elective II - Hair Care Cosmetics
- Practical-III Seminar

### M.Tech SEM IV

- Paper-I Cosmetic Microbiology
- Paper-II Production & Marketing Management
- Paper-III Elective I - Perfumes in Cosmetics OR Elective II - Colour Cosmetics
- Paper-IV Global Fashion Trends
- Practical-I Cosmetics Microbiology
- Practical-II Elective I - Perfumes in Cosmetics or Elective II - Colour Cosmetics
- Practical-III Research Project



## DEPARTMENT OF COMPUTER SCIENCE COURSES

The following Courses are affiliated to RTM Nagpur University and recognized by Government of Maharashtra

1. B. Sc. (Computer Science)
2. Bachelor of Computer Application (B.C.A.)
3. Post B.Sc. Diploma in Computer Science & Application (Science Faculty)
4. Post Graduate Diploma in Computer Commercial Application (P.G.D.C.C.A. - Commerce Faculty)
5. Master of Computer Management (M.C.M - Commerce Faculty)
6. Master of Computer Application (MCA)
7. Master of Computer Science (M.Sc. - Computer Science)

### BACHELOR OF COMPUTER APPLICATION (BCA)

#### Semester-I Compulsory

- English
- Language (Any One) Marathi/Suppl. English
- Paper-I Computer Fundamental
- Paper-II C Programming
- Paper-III Statistical Methods
- Paper-IV Discrete Mathematics I
- Paper-V Operating System
- Paper-VI Office Automation

#### Practical I

- Practical-I Based on Paper I & paper II

#### Practical II

- Practical-II Based on Paper III & Paper IV

#### Practical III

- Practical-III Based on Paper V & Paper VI

#### Semester - II

##### Compulsory

- English
- Language (Any One) Marathi/Suppl. English
- Paper-I Programming in 'C++'
- Paper-II System Analysis & Design
- Paper-III Numerical Methods
- Paper-IV Discrete Mathematics II
- Paper-V Linux Operating System
- Paper-VI E-Commerce

##### Practical I

- Practical I Based on Paper I & paper II

##### Practical II

- Practical II Based on Paper III & Paper IV

##### Practical III

- Practical III Based on Paper V & Paper VI

#### B.C.A. Part - II

##### Semester-III

- Paper-I Visual Basic Programming
- Paper-II Database Management System
- Paper-III Data Structures
- Paper-IV Operation Research -I
- Paper-V Web Technology -I
- Paper-VI Digital Electronics -I



Prof. Dr. rer. nat. Bernhard Middendorf, University of Kassel, Germany, Inaugurating International conference on Multifunctional Advanced Materials ICMAM-2018, October 5-7, 2018



**Practical I**

- Based on Paper I & paper II

**Practical II**

- Based on Paper III & Paper IV

**Practical III**

- Based on Paper V & Paper VI

**Semester - IV**

- Paper-I Software Engineering -I
- Paper-II SQL and PL/SQL
- Paper-III Theory of Computation
- Paper-IV Operation Research - II
- Paper-V Web Technology - II
- Paper-VI Digital Electronics - II

**Practical I**

- Based on Paper I & paper II

**Practical II**

- Based on Paper III & Paper IV

**Practical III**

- Based on Paper V & Paper VI

**B.C.A. Part-III****Semester - V**

- Paper-I Computer Graphics -I
- Paper-II Compiler Construction
- Paper-III VB.Net
- Paper-IV Software Engineering - II
- Paper-V PHP-I
- Paper-VI Data Communication and Network -I

**Practical I**

- Based on paper - I & paper - II

**Practical II**

- Based on paper - III & paper - IV

**Practical III**

- Based on paper - V & paper - VI

**Semester - VI**

- Paper I Computer Graphics-II
- Paper-II Programming in Java
- Paper-III ASP. Net
- Paper-IV Software Testing

- Paper-V PHP - II
- Paper-VI Data Communication & Network-II

**Practical-I**

- Based on paper - I & paper - II

**Practical-II**

- Based on paper - III & paper - IV

**Practical-III**

- Based on paper - V & paper - VI

**Eligibility for Admission in B.C.A. Semester I**

The candidate should have passed the 12th Standard Examination of the Maharashtra State Board of Secondary and Higher Secondary Education with English and other Modern Indian Languages together with Mathematics or an examination recognized as equivalent there in such subjects and with such standards of attainments as may be prescribed.

**Master In Computer Application (MCA)**

- Duration: 3 Year (Semester Pattern)
- Minimum qualification for admission : B.Sc. with Mathematics or B.C.A. Degree of RTM, NU or of any other Statutory University graduate with mathematics having 50% marks (5% relaxation for B.C. Candidates) or Mathematics at 12<sup>th</sup> Standard.



Hon'ble Adv. Shri Abhijeet Wanjarri  
addressing on the occasion of Republic Day

## POST GRADUATE DIPLOMA IN COMPUTER COMMERCIAL APPLICATIONS

(RG.D.C.C.A.) (CBCS)  
FACULTY OF COMMERCE

### Semester-I

- Fundamental of Information Technology
- Programming in C & OOPs Concept
- Introduction to Operating Systems
- Computerized Accounting (Tally ERP9)
- Practical-I :  
    Programing in C & Operating Systems
- Practical-II :  
    Tally (ERP 9) & MS-Office

### Semester-II

- Management Information Systems
- Core Java
- Quality Techniques & Operation Research
- E-commerce and Web Designing
- Practical-I : Core Java
- Practical-II : HTML, Java Script
- Project

### Duration : One Year

- Minimum Qualification for Admission :  
Bachelor degree of RTM NU or an equivalent  
Bachelor Degree of any statutory University in  
any faculty.

- Medium of Instruction: English



## POST B.SC. DIPLOMA IN COMPUTER SCIENCE AND APPLICATIONS

(P.G.D.C.S.&A.)  
FACULTY OF SCIENCE

### Semester-I

- Computer Fundamentals
- Programing in C++
- Operating Systems
- Data Structures
- System Analysis & Design

### Practical I

- Practical-I : Based on C++ Programing

### Practical II

- Practical-II: Based on Data Structure using C++

### Semester - II

- Linux Operating System.
- Programing in Java
- Visual Basic Programing
- Database Management System
- SQL & PL/SQL

### Practical I

- Practical-I Based on Java Programing

### Practical II

- Practical-II Based on Visual Basic  
    Programming & Oracle
- Project

### Duration : One Year

- Minimum Qualification for Admission : B.Sc.  
with Mathematics or B.C.A. or B.Sc, (IT) or  
B.E. or B.Tech. Degree of RTM, NU or of any  
other Statutory University.

- Medium of Instruction: English

# MASTER OF COMPUTER MANAGEMENT (MCM) - FACULTY OF COMMERCE

## MCM-I

### Semester-I

- Fundamental of Information Technology
- Programming in C & Oop's Concept
- Introduction to Operating Systems
- Computerized Accounting (Tally)(ERP9)
- Practical-I: Programing in C & Operating Systems
- Practical-II: Tally & MS-office

### Semester-II

- Management Information Systems
- Core Java
- Quantity Techniques & Operating Research
- E-Commerce and Web Designing
- Practical-I : Core Java
- Practical-II: HTML, JavaScript

## MCM-II

### Semester-III

- Advance Database Management System
- Principles & Techniques of Management
- Elective I - PHP & My SQL
- II - VB.Net
- III - C# Net

- Compulsory Foundation
- I - Research Methodology
- Practical-I SQL & PL/SQL
- Practical-II Electives

### Semester-IV

- ASP. Net
- Electives I - Advance Java
- II - Android Programing
- III - Python
- Elective Foundation
- I - Big Data & Hadoop
- II - Software Engineering
- III - Strategic Management
- Practical I - ASP. Net
- Practical II- Electives
- Project

### Duration : Two Year

- Minimum Qualification for Admission : Bachelor degree of RTM NU or an equivalent Bachelor Degree of any statutory University in any faculty
- Medium of Instruction: English



## DEPARTMENT OF LIBRARY & INFORMATION SCIENCE

### B. L.I.Sc./M.LI.Sc.

#### Semester-I

- Paper-I Foundation of Library and Information Science
- Paper-II Knowledge Organization
- Paper-III Information Sources & Services
- Practical: Four Subjects

#### Semester-II

- Paper-I Management of Libraries and Information Centers
- Paper-II Information Technology Basics
- Paper-III Research Methods & Statistical Techniques
- Practical: Four Subjects

### M.LI.Sc. II

#### Semester-III

- Paper-I Information Communication
- Paper-II Information Storage, Retrieval & Bibliographical Control
- Paper-III ICT Applications in Libraries & Information Centres
- Paper-IV Soft skill for Library & Information Science Professionals
- Paper-V Industrial information system (Elective Paper)
- Practical: Four Subjects

#### Semester-IV

- Paper-I System Analysis & Bibliometrics
- Paper-II Information Analysis Repackaging & Consolidation
- Paper-III Modern Libraries
- Paper-IV Intellectual property rights (Core subject)
- Paper-V Biotechnology Information System (Elective Paper)
- Practical : Two Subjects



## BACHELOR OF VOCATION

(B. Voc)

DIPLOMA (One Year)

ADVANCE DIPLOMA (Two Years)

BACHELOR OF VOCATION (B. Voc) (Three Years)

DEGREE COURSE

SEMESTER PATTERN

Name of Faculty	Name of Course
Faculty of Science	<ul style="list-style-type: none"><li>• Diploma (Software Development)</li><li>• Advanced Diploma (Software Development)</li><li>• B. Voc. Degree (Software Development)</li></ul>

### B. Voc. Semester I

#### A] General Education Component

1. English and Communicative English -I
2. Soft Skill Development -I
3. Aptitude development -I

#### B] Skill Development Component

- Paper-I Computer Fundamentals
- Paper-II Programming in 'C'
- Practical-I Practical based on Paper I of skill development
- Practical-II Practical based on Paper II of skill development
- Field work /Industrial visit

### B. Voc. Semester II

#### A] General Education Component

1. English and Communicative English -II
2. Soft Skill Development -II
3. Aptitude development -II

#### B] Skill Development Component

- Paper-I Operating System Concepts & LINUX
- Paper-II Object Oriented Programming Using 'C++'
- Practical-I Practical based on Paper I of skill development
- Practical-II Practical based on Paper II of skill development
- Field work /Industrial visit



### **B. Voc. Semester III**

#### **A] General Education Component**

1. English and Communicative English -III
2. Soft Skill Development -III
3. Aptitude development -III

#### **B] Skill Development Component**

- Paper-I Data Structures
- Paper-II DBMS & Oracle
- Practical-I Practical based on  
Paper I of skill development
- Practical-II Practical based on  
Paper II of skill development
- Field work /Industrial visit

### **B. Voc. Semester IV**

#### **A] General Education Component**

1. English and Communicative English -IV
2. Soft Skill Development -IV
3. Aptitude development -IV

#### **B] Skill Development Component**

- Paper-I System Analysis and Design
- Paper-II Web Designing Using HTML
- Practical-I Practical based on  
Paper I of skill development
- Practical-II Practical based on  
Paper II of skill development
- Field work /Industrial visit

### **B. Voc. Semester V**

#### **A] General Education Component**

1. English and Communicative English -V
2. Soft Skill Development -V
3. Aptitude development -V

#### **B] Skill Development Component**

- Paper-I Programming In Visual Basic
- Paper-II JAVA Programming
- Practical-I Practical based on  
Paper I of skill development
- Practical-II Practical based on  
Paper II of skill development
- Field work /Industrial visit

### **B. Voc. Semester VI**

#### **A] General Education Component**

1. Applied Computer Skills-I
2. Applied Computer Skills- II
3. Applied Computer Skills- III

#### **B] Skill Development Component**

- Industry Based Project
- Project Work
- Project Seminar



## BACHELOR OF VOCATION

(B. Voc)

DIPLOMA (One Year)

ADVANCE DIPLOMA (Two Years)

BACHELOR OF VOCATION (B. Voc) (Three Years)

DEGREE COURSE

SEMESTER PATTERN

Name of Faculty	Name of Course
Faculty of Commerce	<ul style="list-style-type: none"><li>• Diploma (Retail Management)</li><li>• Advanced Diploma (Retail Management)</li><li>• B. Voc. Degree (Retail Management)</li></ul>

### B. Voc. Semester I

#### A] General Education Component

1. English and Communicative English -I
2. Soft Skill Development -I
3. Aptitude development -I

#### B] Skill Development Component

- Paper-I Principles of Retail Management
- Paper-II Introduction to Retailing
- Practical-I Internship-I: Practical based on Paper I of skill development
- Practical-II Internship-II: Practical based on Paper II of skill development

### B. Voc. Semester II

#### A] General Education Component

1. English and Communicative English -II
2. Soft Skill Development -II
3. Aptitude development -II

#### B] Skill Development Component

- Paper-I Retail Marketing-I
- Paper-II Multichannel Retailing & IT Applications in Retail Operations
- Practical-I Internship-I: Practical based on Paper I of skill development
- Practical-II Internship-II: Practical based on Paper II of skill development

## **B. Voc. Semester III**

### **A] General Education Component**

1. English and Communicative English -III
2. Soft Skill Development -III
3. Aptitude development -III

### **B] Skill Development Component**

- Paper-I Retail Marketing.-II
- Paper-II Retail Store Operations
- Practical-I Internship-I: Practical based on Paper I of skill development
- Practical-II Internship-II: Practical based on Paper II of skill development

## **B. Voc. Semester IV**

### **A] General Education Component**

1. English and Communicative English -IV
2. Soft Skill Development -IV
3. Aptitude development -IV

### **B] Skill Development Component**

- Paper-I Modern Retail Practices
- Paper-II Store Planning, Layout and Designing.
- Practical-I Internship-I: Practical based on Paper I of skill development
- Practical-II Internship-II: Practical based on Paper II of skill development

## **B. Voc. Semester V**

### **A] General Education Component**

1. English and Communicative English -V
2. Soft Skill Development -V
3. Aptitude development -V

### **B] Skill Development Component**

- Paper-I Merchandizing & Supply Chain Management.
- Paper-II Mall Management
- Practical-I Internship-I: Practical based on Paper I of skill development
- Practical-II Internship-II: Practical based on Paper II of skill development

## **B. Voc. Semester VI**

### **A] General Education Component**

1. Applied Computer Skills-1
2. Applied Computer Skills- II
3. Applied Computer Skills- III

### **B] Skill Development Component**

- Industry Based Project
- Project Work / Stage Production



## CENTRE FOR HIGHER LEARNING & RESEARCH

College is recognized as research centre for persuing Doctor of Philosophy (Ph.D.) by RTM Nagpur University, Nagpur in Following Subjects

- Physics
- Chemistry
- Mathematics
- Electronics
- Computer Science
- Commerce

Students seeking admission for Ph. D. course should have to satisfy conditions laid down by RTM Nagpur University & Fee structured given by College

## COURSES IN JUNIOR COLLEGE ARTS, COMMERCE, SCIENCE

### COMMERCE FACULTY

**Medium : Marathi & English STD. XI:**

#### Compulsory Subjects

- English
- Marathi/Sanskrit (Sanskrit only for English Medium Students)
- Environmental Education
- Health & Physical Education
- Economics
- Book Keeping & Accountancy
- Secretarial Practice
- Organisation Of Commerce & Management

#### STD. XII: Compulsory Subjects

- English
- Marathi/Sanskrit ((Sanskrit only for English Medium Students)
- Environmental Education
- Health & Physical Education
- Economics
- Book Keeping & Accountancy
- Secretarial Practice
- Organisation Of Commerce & Management

### SCIENCE FACULTY

**Medium : English**

#### STD. XI: Compulsory Subjects

- English
- Marathi/Sanskrit/Information Tech.
- Environmental Education
- Health & Physical Education
- Physics
- Chemistry
- Mathematics
- Biology
- Computer Science (Optional)
- Electronics (Optional)
- Fresh Water Fish Culture (Optional)

#### STD. XII: Compulsory Subjects

- English
- Marathi/Sanskrit/Information Tech.
- Environmental Education
- Health & Physical Education
- Physics
- Chemistry
- Mathematics
- Biology
- Computer Science (Optional)
- Electronics (Optional)
- Fresh Water Fish Culture (Optional)

## **ARTS FACULTY**

**Medium : Marathi**

### **STD. XI: Compulsory Subjects**

- English
- Marathi/Sanskrit
- Environmental Education
- Health & Physical Education
- Political Science
- Sociology

Optional Subjects - Any Two

- Economics/ Home Management
- History/ Food Science

### **STD. XII: Compulsory Subjects**

- English
- Marathi/Sanskrit
- Environmental Education
- Health & Physical Education
- Political Science
- Sociology

Optional Subjects - Any Two

- Economics/ Child Development
- History / Textile

## **HSSC VOCATIONAL (M.C.V.C.)**

### **ELECTRONICS TECHNOLOGY**

**Medium : English**

#### **STD. XI**

- English
- Marathi
- General Foundation Course
- Basic Electricity & Material
- Basic Electronics
- Digital Electronics
- Environment Education
- Health and Physical Education

#### **STD. XII**

- English
- Marathi
- General Foundation Course
- Applied Industrial Electronics
- Modern Instrument & Communication System
- Computer Hardware & Networking
- Environment Education
- Health and Physical Education

### **Electrical Technology**

**Medium: English**

#### **STD. XI**

- English
- Marathi
- General Foundation Course
- Electrical Wiring
- Electrical Appliances
- Electrical Machines
- Environment Education
- Health and Physical Education

#### **STD. XII**

- English
- Marathi
- General Foundation Course
- Electrical Wiring
- Electrical Appliances
- Electrical Machines
- Environment Education
- Health and Physical Education



Cultural Festival-2018-19



# ACCOUNTING & OFFICE MANAGEMENT

## STD. XI

### Medium : Marathi

- English
- Marathi
- General Foundation Course
- Office Management & Organization
- Fundamental of Accounting
- Fundamental of Costing & Auditing
- Environment Education
- Health and Physical Education

## STD. XII

- English
- Marathi
- General Foundation Course
- Office Motivation
- Advance Financial Accounting
- Advance Costing & Auditing
- Environment Education
- Health and Physical Education

## ENCLOSURES

### For other than M.S. Board and foreign Student

- a) Filled form of Rs. 1007- from Nagpur Divisional Board.
- b) Leaving Certificate (Original with counter Signature by appropriate education authority).
- c) Migration Certificate (Original).
- d) Deed of undertaking on the stamp paper of Rs. 207/-
- e) Enrollment Certificate (for NIOS and other Open School).
- d) Mark list.
- f) Eligibility Certificate (Fees Rs. 300/- for other state and Rs. 500/- for foreign student).

### ELIGIBILITY FOR ADMISSION :

#### For junior college students For XI :

#### ARTS/COMMERCE/SCIENCE/M.C.V.C.:

Students desirous of seeking admission should have passed S.S.C. (10th class) Examination of Maharashtra state Board of S.S.C. & H.S.S.C. or of any other Recognized Board or have passed any other equivalent Exam.

**Note:** It is mandatory to purchase college uniform from relevant college Department.

#### • For XII: ARTS/COMMERCE/ SCIENCE/ M.C.V.C.:

Students desirous of seeking admission should have Passed XI Std. Examination from Recognized College or Should passed any other equivalent Examination.



## RULES FOR ADMISSION

- i) An application for admission to the any course must submit in the prescribed form enclosed with the prospectus.
- ii) The form must be completely filled in and submitted so as to reach the office on or before the last date for registration of candidates personally.
- iii) Following documents should be attached with the form:
  - A) Two true copies of the mark sheet of the previous examination
  - B) Original and two true copies of the Transfer or College Leaving Certificate of the last Institute attended.
  - C) True copy of S.S.C. Certificate for date of birth.
  - D) A copy of recent passport size coloured photograph to be affixed at proper place on the application form. One more copy of the photograph should be kept ready for identity card in case of student getting admission.
  - E) Xerox copy of Adhar card should be enclosed with the application form.
- iv) The form should be accompanied by a registration fee of Rs. 100/- (non refundable) which must pay in cash at the college fees counter (receipt there of should be attached to the application form.)
- v) Charges for prospectus/application form and registration fee are non refundable.
- vi) Incomplete forms in any respect are liable to be rejected.
- vii) Applicant should fulfill the eligibility criterions and conditions for the course in which he seeks admission

## SELECTION PROCEDURE

Selection will be done on the basis of marks obtained at the previous examination and may be the performance of the candidate in the entrance examination and personal interview.

A merit list of the provisionally selected candidates will be displayed on the notice board of the college.

Candidates should carefully read the Admission Schedule given at the beginning of this prospectus regarding the dates of entrance examination, personal interview, notification of merit list and payment of fees. No Correspondence will be entertained in this regard.

Provisionally selected candidates will have to submit documents as given in admission procedure of the prospectus.

Admission will be finalized only after submission of original documents and payment of fees before the last date.



# PROCEDURE FOR ADMISSION

Student desirous of seeking admission will have to follow the procedure given below:

A student has to fill an Application Form in his/her own legible handwriting. Application form is to be countersigned by Parent / Guardian and shall be accompanied by the following documents.

- 1) Original copy of School/College Leaving Certificate and true copy of Mark sheet of the qualifying examination.
- 2) Original/ Provisional Certificate of the Board/ University and Original Mark sheet of the previous examination (if the student has passed the previous examination privately)
- 3) Two coloured photographs of passport size.
- 4) Original Migration Certificate and its true copy (if the student belongs to other state Board or other University).
- 5) Caste Certificate from competent Authority in case of Backward /Schedule Caste candidate.
- 6) In case of employed candidate, No objection certificate from employer.
- 7) If the student belongs to other State Board or other University, he / she has to obtain 'Eligibility Certificate; from RTM Nagpur University and submit in the college office within the given period. As the said certificate should reach the university office by 15th September, it should be produced in the college office by 16th August, otherwise Rs. 50 will be fined by the University for Late Submission and admission will be treated provisional till then.



## PARTICULARS OF FEES

- Candidates who have graduated from Universities other than RTM Nagpur University shall have to pay additional fees:
- Such students should submit the Migration Certificate from their parent University latest by 16th August of the current session failing which they will be required to pay a late fee of Rs. 50/- for onward transmission to the University.
  - i) Fees once paid will not be refunded
  - ii) No student is permitted to attend classes until all payments are made.

## Other Important Information About Admission

- 1) Uniform for Junior College students is mandatory while being in college premises. Without uniform, no student will be allowed to enter the college.
- 2) If any student is found ineligible, admission fees paid by him will not be refunded.
- 3) For false and bogus admission, total responsibility will rest on student.
- 4) If the student cancels his admission, the fees will not be refunded.
- 5) Total fees will have to be paid at the time of admission. Otherwise he/she will be fined or his/her admission will be treated as cancelled.
- 6) Important documents e.g. various certificates, concession forms Board/ University Exam, form and receipts of fees and funds etc. should be handled safely, else Rs. 10 will be charged to search for the record.
- 7) The Principal reserves the rights to grant or refuse or cancel admission at anytime, without assigning any reason.

- 8) Ragging is prohibited in College Campus.
- 9) Admission shall stand cancelled if fees are not paid on time.

## Refundable Amount

The student who appears in the Examination as a regular student from the College, but does not get admission next year, should submit application for refund of "CAUTION MONEY" before 31st December. The application should be accompanied by Receipt No. Date of Leaving the college, and Xerox copy of College Leaving Certificate. No claim will be entertained after 31st December.

## Important Information about Scholarships & Fees Concessions

1. The student should be the resident of Maharashtra State.
2. The student should submit scholarship form/concession form with necessary documents within a week after his/her admission.
3. For more details and necessary guidance regarding scholarship and concession scheme of the Govt, students should contact the office.
4. In no case, shall the forms be accepted if submitted later or incomplete or if information furnished is incorrect or false or without documents. The college shall not take any responsibility if the scholarship or concession is rejected. If the scholarship or concession is rejected, the student has to pay full fees.
5. The following are the Govt. Scholarship and Fees Concessions likely to be available.



## SCHOLARSHIPS

### A) G..O.I. Scholarship :

#### Eligibility:

- Student should not have failed the last examination.
- Minimum 60% marks are necessary
- Should not be in service.
- When he/she starts earning money, the amount of scholarship should be refunded by installments. The students can claim E.B.C. also. Application for this scholarship should be submitted in the college office before 15th August. The college will not take guarantee of the scholarship.

### B) State Govt. Scholarship Eligibility:

- Minimum 50% marks in S.S.C./H.S.S.C
- No condition about residence or income
- Scholarship will continue if student gets minimum 45% marks in further examination

## CONCESSIONS

### A) E.B.C. Concession Eligibility :

- Student should not have failed the previous exam.
- Student should be a resident of Maharashtra State.
- Parent's Annual Income should be below Rs. 1,000,00 including basic pay and other allowances.
- Income Certificate should be certified by the Tahsildar.

- If father is dead, Death Certificate should be produced.
- Annual Income of Central Govt. Employees should be below Rs 1,000,00. Employees belonging to State Govt. and Local Bodies (Excluding Corporation/Nagpur Parishad Employees) whose Annual Income is below Rs. 1,000,00 (including basic pay) are eligible.

### B) Primary Teacher's and Secondary School Teacher's Concession :

#### • Eligibility:

- Student should not have failed the previous exam.
- Teachers belonging to Govt. Schools/Semi. Govt. Schools/Sthanik Swarajya Sanstha/ Corporation, Nagar Parishad/ Zilla Parishad Schools/ Cantonment Schools will have this concession for their children.
- Student's Father/Mother should be a full-time teacher.
- Certificate from the Higher Authority regarding the Service is a must.
- Concession will not be given after retirement.
- If the concession is not claimed in the past, reason should be stated.

### C) Freedom Fighter's Concession :

#### Eligibility :

- Student should not have failed the previous exam.
- Children of the Freedom fighters will have this concession. If father is dead, Death Certificate is a must. If Grandfather's Freedom fighter certificate is available, grandchildren will have this concession.
- In Freedom-fighter's Certificate it should be certified in the certificate that the person should have gone through at least one-month imprisonment or that in the freedom movement the person's belonging have been destroyed.
- No Income limit is necessary
- Non-granted classes will not have this concession.



**D) Ex-Military Man's Concession :**  
**Eligibility :**

- i) Sons/daughters of Ex-Military man will have this concession (like EBC). No condition of income limit and residence.
- ii) Certificate of being eligible for the concession should be obtained from District soldier, Sailors, Airmen Board.
- iii) Student should not have failed the previous exam.
- iv) Sons/Daughters/widow of the person died or disabled in the second world war are eligible.
- v) Sons/Daughters/widow of the person died or disabled in China War or Pak War are eligible.
- vi) Son/s daughters of Police Personnel belonging to Reserved Police Force working on Borders are eligible.
- vii) Students who have left education during National Emergency and joined Force will have this concession to complete their education as well as they will be given aid to earn their livelihood.
- viii) The concession will not be given for non-granted classes.

**E) Concession For Handicapped Students :**

**Eligibility:**

- i) Only handicapped students will get this concession.
- ii) Students should not have failed the previous exam.
- iii) Student should have passed the previous exam with at least 40% marks.
- iv) No condition of castes/tribes.
- v) Civil Surgeon's Certificate and a photograph of the disabled part of the body should be produced,

- vi) It eligible for E.B.C. concession, application should be submitted.

**F) Concession given by the Director, Social Welfare Dept., Pune : (G.O.I. Scholarship):**

**Eligibility:**

- i) SC/ST/NT/VJ/OBC/SBC students will have this concession.
- ii) All Students should fill scholarship forms by online procedure.
- iii) Student belonging to the above mentioned categories should produce Caste Certificate, Affidavit in place of Caste Certificate will not be accepted.
- iv) Failure students will not have this concession but students having compartment facility will have this concession.
- v) For SC & ST student parents Annual income should be below Rs. 200000. If the income is above Rs 200000, student should apply for Freeship. For NT, OBC and SBC students, parents Annual income should be below Rs 100000/- If the income is above Rs 100000A student should apply for Freeship.
- vi) Following documents should be attached with the application:
  - a) True copy of school leaving certificate.
  - b) True copy of mark sheet.
  - c) Income certificate of the father.
  - d) If father is dead, death-certificate
  - e) is must for OBC/SBC/NT attached recent non cremation certificate.
  - f) New admitted student should have to open Bank A/c.
  - g) All scholarship holder students should attach Xerox copy of bank passbook.
  - h) If father is retired attach pension certificate

- i) Attach all documents with online scholarship form & submit within a week in college,
- j) Caste certificate is a must. Cast validity certificate.
- k) Gap-certificate (If gap is there in education)
- vii) Halba caste is dropped from special backward class category.
- viii) Hostel Scholarship will be given to those students who are staying in recognized hostels. The concerned Authority's Certificate about the University's recognition to the hostel should be attached.
- ix) Income Certificate of the parent of the student (certified by competent Authority should be produced. (Basic pay/ D.A.A.D.A/H.R.A./C.L.A etc. should be mentioned in the certificate). If the Income certificate or Caste certificate is found false, student will not be given concession and will be punished accordingly.

**G) Concession For 'once-failure' S.C./ S.T./N.T./Y.J./OBC Students :**

**Eligibility:**

- i) Student should belong to SC / ST / NT / VJ / OBC Category.
- ii) If failed once, student should submit detail information about pre. Exams, and pre. Concessions with necessary documents.
- iii) Gap-certificate (if gap is there in education) is necessary.
- iv) Income of father should be less than 2 lacs.
- v) Free Education For Girls Upto 12th : This concession will be given only upto three children.
- vi) Rajashree Chhatrapati Shahu Maharaj Scholarship For Junior College Students Students of SC, NT, SBC category secured 75% and above marks in 10th exam, are eligible.

## OTHER RULES

- Physical Efficiency Test: According to University Rule (As per ordinance each admitted student has to go through physical efficiency test) Absent student will be fined.
- Medical Examination: Each admitted student has to go through Medical Examination from the doctor appointed by the college on the date as per given Time-table. Absent students will be fined.



## RULES & REGULATIONS

### 1. University Rules :

- i) As per the provisions of Ordinance No, 6 of RTM Nagpur University, a student is required to maintain 75% attendance both in theory paper and practical separately.
- ii) Every student shall have to do a project under the guidance of the prof, in-charge.
- iii) A Student admitted to this course cannot take part in any other examination of the RTM Nagpur University concurrently.
- iv) If a student once admitted to this course wants to leave the course in mid-session for whatever reasons, no fees will be refunded.
- v) The students admitted to any course shall abide by the rules and regulations of the college, department as well as of the University in force from time to time. Rules and Regulations are subject to change as per University directives.
- vi) No concession in fees is permissible for these courses and no free ships and scholarships are awarded by the Government.
- vii) A student remaining absent in theory or practical will be fined as per period.

### 2. Rules for Attendance :

- i) Every student admitted to the college should attend at least 75% of the lectures delivered/ practical arranged separately in each subject.
- ii) If a student is not able to attend the lectures/ practical and needs leave, he/she should make written demand stating the reason of leave, On reasonable ground leave will be granted, but the student will not be treated present that day.
- iii) Fine will be charged for missing each lecture.
- iv) If a student is absent continuously for a month without giving intimation (in

writing), his/her admission will be treated as cancelled.

### 3. Library Rules :

- i) Each student will be given I.D. Library membership card for Library Books.
- ii) If lost, the student should inform (in writing) to the office. Duplicate card will be issued at the charge of Rs. 15.
- iii) Without identity card students will not be allowed in the college Premises.
- iv) Making any kind of change in the entries on the identity card will be a serious offence.
- v) The students will be held responsible if this card is misused by other students.
- vi) Before getting the book/ books issued, students should see that the book/ books are not damaged. If any kind of damage is there, the concerned should be informed immediately to make a note of it. Otherwise the total responsibility will rest with the student and will be fined.
- vii) If the issued book is lost, the student will have to return new copy of the book lost. If he/she fails to do so he/she will have to pay the amount charged by the librarian.
- viii) If the book/books are issued for taking home and are not returned before the given date, Rs. 1 /- for each day will be charged.
- ix) No student will be allowed in the reading room without producing identity card to the in-charge of the reading room. The student should , maintain a quiet and congenial atmosphere in the reading room or he/she will be expelled.
- x) Before leaving reading room, student should return all books, magazines, periodicals etc. without fail.
- xi) In-charge of the reading room has every rights to check the student's belongings.

## **Code of Conduct for Students**

### **1. Social Misconduct**

- a. Actions against persons
  - Assault
  - Sexual misconduct
  - Harassment or bullying
- b. Actions against property
  - Theft
  - Damaging the property of another person or of the College
- c. Actions against the institution
  - Misusing College ID
  - Tampering with College documents or records by hand or electronically
  - Claiming falsely to represent the College or a College registered organization
  - Use of any College resources, including electronic and physical, in support of any for-profit enterprise.

### **2. Dangerous or Disorderly Conduct**

- a. Unnecessary use of Mobile phones in class or corridor
- b. Illegally possessing, using, or distributing any scheduled drugs or Alcohol.
- c. Possessing any weapon in campus
- d. Fire safety violations



## INSTITUTIONS RUN BY WANJARI GROUP



### Govindrao Wanjari College of Engineering & Technology

148, 149 Salai Godhani, Hudkeshwar Road, Nagpur. Phone : 9272234134..39

#### Four Year Degree Programmes

- ◆ Civil Engineering
- ◆ Mechanical Engineering
- ◆ Electrical Engineering
- ◆ Electronics Engineering
- ◆ Electronics & Telecomm, Engineering
- ◆ Computer Science & Engineering
- ◆ Information Technology
- ◆ M.B.A.

#### Polytechnic

##### (Diploma in Engineering)

- ◆ Civil Engineering
- ◆ Mechanical Engineering
- ◆ Electronics & Telecomm
- ◆ Electrical Engineering



#### Kamla Nehru Mahavidyalaya Department of MCA & MBA

Sakkardara Chowk, Nagpur - 440024  
Phone : +91-712-2747853, 274984  
Fax : +91-712-2747853



#### Kamla Nehru College of Pharmacy

156, Borkhedi (Gate) Butibori, Dist. Nagpur  
Phone : +91-7103-645153, +91-7104-327667  
B. Pharm (4 Years Degree Course) in  
a) Pharmaseutics, b) Pharmaseutical Chemistry





## INSTITUTIONS RUN BY **WANJARI GROUP**



### **Govindrao Wanjari College of Law**

CD-2, Nandanwan, Near Water Tank, Nagpur

Phone : +91-712-3253698

L.L.B. (3 & 5 Years), L.L.M.

PG Diploma in Cyber Crime



### **Govindrao Wanjari College of Education**

156, Borkhedi (Gote), Butibori, Dist. Nagpur

Phone : +91-7104-326699

B.Ed., M.Ed., D.Ed.



### **GIRLS HOSTELS RUN BY WANJARI GRPUP**

Kamla Nehru Girls Hostel & Priyadarshini Girls Hostel