

Shiksha Mandal's  
**BAJAJ COLLEGE OF SCIENCE**  
Jamnalal Bajaj Marg, Civil Lines, Wardha-442 001

A Hindi Linguistic Minority Institution

## An Autonomous Institution

(Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)

1. Conferment of Fresh Autonomous Status vide UGC letter No. F. 22-1/2017(AC) dt. 6-4-2017
2. Notified as Fresh Autonomous College by RTM Nagpur University vide letter No.RTMNU/CDS/2017/6434 dt. 29-5-2017

### **ACADEMIC REGULATIONS (AS PER NEP-2020) GOVERNING THE EXAMINATION LEADING TO DEGREE OF**

**B. Sc.**

**(BACHELOR OF SCIENCE HONOURS/RESEARCH WITH MAJOR IN BOTANY/ CHEMISTRY/  
ELECTRONICS/ MICROBIOLOGY/ MATHEMATICS/ PHYSICS/ ZOOLOGY)**

(Autonomous)

From the Session 2023-24

**PROGRAMME CODE: BCS-UG-01-BS**

Issued by:  
Principal, Bajaj College of Science, Wardha

Shiksha Mandal's  
**BAJAJ COLLEGE OF SCIENCE, WARDHA (Autonomous)**  
(Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)

**GOVERNING BODY**  
(As per UGC Guidelines for Autonomous Colleges, 2018)

Sr. No.	Name	Designation	Category
1	Shri. Shekhar Bajaj	President/Trustee	Management
2	Shri. Sanjay Bhargava	Chairman/Trustee	Management
3	Shri. P. D. Khemuka	Member	Management
4	Shri. Anurag Bajaj	Member	Management
5	Dr. Arvind Sahu	Member	Management
6	Dr. (Mrs) Seema Jain	Member	UGC Nominee
7	Dr. Anjali Rahatgaonkar	Member	University Nominee
8	Joint Director of Higher Education, Nagpur Division	Member	State Government Nominee
9	Prof. Dr. W. N. Gade	Member	Educationist/Industrialist
10	Dr. V. V. Shinde	Member	Teacher
11	Dr. S. H. Bagade	Member	Teacher
12	Prof. P. V. Tekade	Member (ex-officio)	Offg. Principal

**ACADEMIC COUNCIL**  
(As per UGC Guidelines for Autonomous Colleges, 2018)

Sr. No.	Name	Designation	Category
1	Prof. P.V. Tekade	Chairperson	Offg. Principal
2	Dr. S. H. Bagade	Member	HOD (Physics)
3	Dr. P. F. Dhabarde	Member	HOD (Botany)
4	Dr. M. R. Chandrakar	Member	HOD (Zoology)
5	Dr. Mrs. S. S. Khandare	Member	HOD (Microbiology)
6	Dr. S. S. Zade	Member	HOD (Mathematics)
7	Dr. V. V. Shinde	Member	HOD (Electronics)
8	Dr. Mrs. N. P. Mohabansi	Member	In charge (Chemistry)
9	Shri. R. K. Thombare	Member	In charge (English)
10	Dr. Mrs. U. A. Malode	Member	Coordinator (Biotechnology)
11	Shri. R. T. Katre	Member	Faculty (Mathematics)
12	Dr. A. D. Theng	Member	Faculty (Zoology)
13	Shri. N. A. Barwat	Member	Faculty (Chemistry)
14	Dr. D. D. Naik	Member	Faculty (Botany)
15	Shri. Makarand Pathak	Member	Expert (Engineering)
16	Shri. Rajendra Bhutada	Member	Expert (Commerce)
17	Shri. Rajesh Khaparde	Member	Expert (Scientist/Alumni)
18	Dr. D. K. Agrawal	Member	Expert (Education)
19	Dr. M. P. Dhore	Member	University Nominee
20	Dr. Jeevan R. Dontulwar	Member	University Nominee
21	Dr. Santosh V. Kasbekar	Member	University Nominee
22	Dr. P. A. Saudagar	Member/Secretary	Faculty Member Nominated by Principal, Coordinator (Computer Science)

## BOARDS OF STUDIES

(As per UGC Guidelines for Autonomous Colleges, 2018)

### Board of Studies in Chemistry

Sr. No.	Name of the Member	Category
1	Dr. P.V. Tekade	HOD
2	Dr. Mrs. N.P. Mohabansi	Faculty
3	Dr. K. M. Dadure	Faculty
4	Shri. M. D. Bansinge	Faculty
5	Shri. N. A. Barwat	Faculty
6	Dr. Prashant Borkar	Faculty
7	Dr. Miss. M. A. Haque	Faculty
8	Dr. A. V. Nakhate	Faculty
9	Miss. B. U. Tale	Faculty
10	Prof. Marazban Kotwal Associate Professor, Department of Chemistry, St. Xavier's College (Autonomous), Mumbai	Subject experts (Other University)
11	Dr. Hemant Chandak Asso. Prof., Department of Chemistry, G.S. Science, Arts and Commerce College, Khamgaon	Subject experts (Other University)
12	Dr. Ravin M. Jugade Professor, Department of Chemistry, RTM Nagpur University, Nagpur.	Expert (University Nominee)
13	Dr. Bapu Gawade Managing Director, Cleanchem Laboratories LLP, Navi Mumbai	Representative from industry/ corporate sector/ allied area
14	Dr. Bhushan Popatkar Assistant Professor, Department of Chemistry, University of Mumbai.	Meritorious Alumni

### Board of Studies in Electronics

Sr. No.	Name of the Member	Category
1	Dr. V. V. Shinde	HOD
2	Dr. V. M. Ghodki	Faculty
3	Dr. P. A. Saudagar	Faculty
4	Dr. M. S. Zambare Associate Professor, Department of Electronics, Fergusson College, Pune.	Subject experts (Other University)
5	Dr. B. T. Jadhao Principal, Yashwantrao Chavan Institute of Science, Satara	Subject experts (Other University)
6	Dr. S. R. Sharma Associate Professor J. M. Patel College, Bhandara.	Expert (University Nominee)
7	Mr. Rajat Dahake "Garwa", Asha Residency, VIP Road, Wardha.	Representative from industry/ corporate sector/ allied area
8	Dr. Mrs. S. M. Giripunje Associate Professor, Physics Department,	Meritorious Alumni

Sr. No.	Name of the Member	Category
	VNIT, Nagpur.	

#### Board of Studies in Physics

Sr. No.	Name of the Member	Category
1	Dr. S. H. Bagade	HOD
2	Shri. R.G. Jadhao	Faculty
3	Dr. G. V. Lakhotiya	Faculty
4	Dr. Sudhir Tiple	Faculty
5	Dr. M. M. Yerpude	Faculty
6	Dr. Jyoti Singh Asso. Prof.& HOD, Department of Physics, St. Xavier's College, Mumbai	Subject experts (Other University)
7	Dr. B. R. Sankapal Professor, Department of Physics, VNIT, Nagpur	Subject experts (Other University)
8	Dr. S.W. Anwane Associate Professor Shivaji Science College, Nagpur	Expert (University Nominee)
9	Ravikumar Kandasamy Deputy Director Rural Energy & Infrastructure, MGIRI, Maganwadi, Wardha	Representative from industry/ corporate sector/ allied area
10	Dr. (Mrs.) Smita Acharya Professor, Department of Physics, RTM Nagpur University, Nagpur	Meritorious Alumni

#### Board of Studies in Botany

Sr. No.	Name of the Member	Category
1	Dr. Miss. P. F. Dhabarde	HOD
2	Dr. L. P. Dalal	Faculty
3	Dr. D. D. Naik	Faculty
4	Dr. A. A. Maheshwari	Faculty
5	Dr. Mrs. A. P. Ghuse (Pranjale)	Faculty
6	Dr. A. N. Kalode	Faculty
7	Dr. S. N. Malode, Associate Professor and Head, Department of Botany, GVISH, Amravati	Subject experts (Other University)
8	Prof. Alok Gude, Assistant Professor, Department of Botany, St. Xavier's College, Mumbai	Subject experts (Other University)
9	Dr. S. A. Kalkar Head ad Professor Department of Botany, Institute of Science, Nagpur.	Expert (University Nominee)
10	Dr. M. S. Phalak General Manager R & D, Ankur Seeds Pvt. Ltd. Nagpur	Representative from industry/ corporate sector/ allied area

Sr. No.	Name of the Member	Category
11	Mrs. Trupti Jagtap – Dhakate Quality Mushroom Farms, Dhayari, Pune	Meritorious Alumni

#### Board of Studies in Zoology

Sr. No.	Name of the Member	Category
1	Dr. Miss. M. R. Chandrakar	HOD
2	Dr. A. D. Theng	Faculty
3	Shri. V. P. Khandwekar	Faculty
4	Dr. V. J. Sharma	Faculty
5	Dr. S. P. Biswas	Faculty
6	Miss. Trupti Bhute	Faculty
7	Dr. Madhuri Hambarde Associate Professor, Department of Zoology, St. Xavier's College, Mumbai.	Subject experts (Other University)
8	Dr. Kishor Pendharkar Head, Department of Zoology Fergusson College, Pune.	Subject experts (Other University)
9	Dr. S. B. Zade Professor, Department of Zoology RTM Nagpur University, Nagpur.	Expert (University Nominee)
10	Mr. Vivek Khalokar, 24K Amravati Honey, Khalokar Beekeepin Enterprises, Narayan Peth, Pune	Representative from industry/ corporate sector/ allied area
11	Mrs. Vidya Vaidya (Chambhare) Lecturer, Jijamata Jr. College, Wardha	Meritorious Alumni

#### Board of Studies in Microbiology

Sr. No.	Name of the Member	Category
1	Dr. Mrs. S. S. Khandare	HOD
2	Dr. Mrs. U. A. Malode	Faculty
3	Shri. M. G. Ingale	Faculty
4	Dr. Miss. B. V. Mohite	Faculty
5	Miss. S. E. Banarase	Faculty
6	Miss. K. N. Pimpalkar	Faculty
7	Dr. Sangeeta Chavan Associate Professor, Dept. of Microbiology St. Xavier's College (Autonomous), Mumbai.	Subject experts (Other University)
8	Dr. S. D. Patankar Former Principal, Jaiswal College, Arjuni (Mor)Dist. Gondia.	Subject experts (Other University)
9	Dr. S. V. Kasbekar Officiating Principal Baba Ramchand Bakhru Sindhu Mahavidyalaya, KTR Marg, Nagpur.	Expert (University Nominee)
10	Dr. Devendra Lingojar Founding Director, ADEETECHGENE Biotech Pvt. Ltd., Pune.	Representative from industry/ corporate sector/ allied area
11	Dr. Rahul Bhojar	Meritorious Alumni

Sr. No.	Name of the Member	Category
	Project Scientist, CSIR Institute of Genomics and Integrative Biology, New Delhi.	

### Board of Studies in Biotechnology

Sr. No.	Name of the Member	Category
1	Dr. Mrs. U. A. Malode	HOD
2	Dr. K. A. Kale	Faculty
3	Miss. Komal Dhumane	Faculty
4	Dr. Karuna Gokarn, Head, Department of Biotechnology, St. Xaviers College (Autonomous), Mumbai.	Subject experts (Other University)
5	Prof. K. P. Narkhede Director, School of Life Science, M.J. College (Autonomous), Jalgaon.	Subject experts (Other University)
6	Dr. Arti Shanware Director, RGBC, Department of Biotechnology RTM Nagpur University, Nagpur.	Expert (University Nominee)
7	Shri. Mayuresh Joshi S.A. Biotech Pvt. Ltd. Jalgaon, Paldhi Kh. Th. Dharagaon, Dist. Jalgaon.	Representative from industry/ corporate sector/ allied area
8	Ms. Anuja Maitreya Junior Research Fellow (A CSIR-Ph.D. Scholar), CSIR-NEERI, Nagpur.	Meritorious Alumni

### Board of Studies in Mathematics

Sr. No.	Name of the Member	Category
1	Dr. S. S. Zade	HOD
2	Shri. R. T. Katre	Faculty
3	Shri. R. S. Pradhan	Faculty
4	Miss. S. P. Dehankar	Faculty
5	Dr. J. N. Chaudhari, Head, Department of Mathematics, M.J. College, Jalgaon.	Subject experts (Other University)
6	Dr. V. G. Mete Professor & Head, Department of Mathematics B.R.D. Arts, S.I.K. Commerce and N.K.D. Science College, Badnera, Amravati.	Subject experts (Other University)
7	Dr. N. P. Gaikwad Associate Professor ad HOD Dharampeth M. P. Deo Memorial Science College, Nagpur.	Expert (University Nominee)
8	Dr. U. D. Gulhane, Director, URVI Transformer, MIDC, Wardha.	Representative from industry/ corporate sector/ allied area

<b>Sr. No.</b>	<b>Name of the Member</b>	<b>Category</b>
9	Shri. P. A. Ghuse Lecturer, Bajaj College of Science, Jamnalal Bajaj Marg, Wardha.	Meritorious Alumni

#### Board of Studies in Computer Science

<b>Sr. No.</b>	<b>Name of the Member</b>	<b>Category</b>
1	Dr. P. A. Saudagar	HOD
2	Shri. S. A. Durge	Faculty
3	Shri. M. M. Wasu	Faculty
4	Dr. Kavita Khobragade Head & Associate Professor, Dept. of Computer Science, Fergusson College, (Autonomous) Pune	Subject experts (Other University)
5	Dr. K. D. Kalaskar Head, Dept. of Computer Science Dr. Ambedkar College of Arts, Commerce and Science, Chandrapur.	Subject experts (Other University)
6	Dr. P. K. Butey Associate Professor, Kamla College, Nagpur.	Expert (University Nominee)
7	Dr. Vishal Lichade Director, Softsense Technoserve (India) Pvt. Ltd., Nagpur.	Representative from industry/ corporate sector/ allied area
8	Mr. Piyush Jobanputra India Head & Director, Savantis Solutions India Pvt Ltd, Hyderabad, Telangana	Meritorious Alumni

#### Board of Studies in Languages

<b>Sr. No.</b>	<b>Name of the Member</b>	<b>Category</b>
1	Shri. R. K. Thombare	HOD
2	Ms. Surekha Dube	Faculty
3	Miss. Sangita Khode	Faculty
4	Dr. Krishna K. Dixit, Centre for English Language Education (CELE), Ambedkar University, Delhi	Subject experts (Other University)
5	Dr. Vilas B. Dhone, Ex. Associate Professor, Yeshwant Mahavidyalaya, Wardha.	Subject experts (Other University)
6	Dr. Sunil Kumar Navin Principal, Nabira Mahavidyalaya, Katol, Dist. Nagpur.	Expert (University Nominee)
7	Ms. Urvi Gupta Faculty, Think and Learn Pvt. Ltd., BYJU's Agra.	Meritorious Alumni

Shiksha Mandal's  
**Bajaj College of Science, Wardha (Autonomous)**  
(Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)

ACADEMIC REGULATIONS  
GOVERNING THE EXAMINATION LEADING TO DEGREE OF  
**B. Sc.**  
**(BACHELOR OF SCIENCE HONOURS/RESEARCH WITH MAJOR IN BOTANY/ CHEMISTRY/  
ELECTRONICS/ MICROBIOLOGY/ MATHEMATICS/ PHYSICS/ ZOOLOGY)**  
**(Three/Four Year Honours/ Honours with Research UG Degree Programme as per NEP)**

WHEREAS, Maharashtra University Act: 1994 came into force with effect from July 22, 1994, and the Maharashtra Public Universities Act: 2016 came into force from March 1, 2017;

AND

WHEREAS, the Sub-Section (1) of Section 89 of the aforesaid Maharashtra University Act: 1994 provided for and the Sub-Section (1) of Section 122 of the Maharashtra Public Universities Act: 2016 provides that a University Department or Institution, Affiliated College or Recognized Institution may apply to the University for grant of autonomous status. The Management Council on the recommendation of the Academic Council may confer the autonomous status;

AND

WHEREAS, the University Grants Commission (UGC), under its XII Plan has issued guidelines for conferring autonomous status to the colleges in the country subject to their fulfilling various eligibility conditions for improving quality of higher education and to initiate the Academic reforms;

AND

WHEREAS, the Rashtrasant Tukadoji Maharaj Nagpur University had earlier issued Direction No. 4 of 1999 regarding conferment of autonomous status for College/University Department/University Institution which stood repealed by Direction No. 3 of 2016 regarding **NORMS AND PROCEDURES FOR GRANT OF AUTONOMY TO UNIVERSITY DEPARTMENTS OR INSTITUTIONS, AFFILIATED COLLEGES AND RECOGNISED INSTITUTIONS;**

AND

WHEREAS, Bajaj College of Science, Wardha, permanently affiliated to the Rashtrasant Tukadoji Maharaj Nagpur University applied to the University for No Objection Certificate and for forwarding its application for Autonomy to the University Grants Commission (UGC);

AND

WHEREAS, the University Grants Commission (UGC) constituted an Expert Committee to visit Bajaj College of Science, Wardha for conferment of fresh autonomous status;

AND

WHEREAS, the University Grants Commission (UGC), on the basis of the report of the Expert Committee and on recommendation of its Standing Committee, has conferred upon Bajaj College of Science, Wardha a fresh autonomous status vide UGC letter No. F. 22-1/2017(AC) dt. 6-4-2017.

AND

WHEREAS, the Rashtrasant Tukadoji Maharaj Nagpur University has notified Bajaj College of Science, Wardha as a "FRESH AUTONOMOUS COLLEGE" vide its letter No.RTMNU/CDS/2017/6434 dt. 29-5-2017.



AND

WHEREAS, Bajaj College of Science, Wardha duly constituted its Governing Body, Academic Council, Boards of Studies and other statutory committees as stipulated in the University Grants Commission (Conferment of Autonomous Status Upon Colleges and Measures for Maintenance of Standards in Autonomous Colleges) Regulations, 2018;

AND

WHEREAS, the Boards of Studies of Bajaj College of Science, Wardha redesigned its existing courses to be conducted under Autonomy as per the pattern prescribed by the University Grants Commission (UGC) in its various Guidelines from time to time;

AND

WHEREAS, the Academic Council of Bajaj College of Science, Wardha in its meeting dt. 19/08/2017 approved the methods and procedures for the course of B. Sc. (Bachelor of Science) as proposed by the Boards of Studies of Bajaj College of Science, Wardha;

AND

WHEREAS, the Governing Body of Bajaj College of Science, Wardha in its meeting dt. 19/08/2017 approved the methods and procedures for the course of B. Sc. (Bachelor of Science) as proposed by the Boards of Studies and as approved by the Academic Council of Bajaj College of Science, Wardha;

AND

WHEREAS, the complete syllabi of B. Sc. (Bachelor of Science), methods and procedures for the course of B. Sc. (Bachelor of Science) as proposed by the Boards of Studies and as approved by the Academic Council and the Governing Body of Bajaj College of Science, Wardha, have been accepted by the Rashtrasant Tukadoji Maharaj Nagpur University;

AND

WHEREAS, the programme of B. Sc. (Bachelor of Science) started from the session of 2017-18 under Autonomy Scheme and was offered to all First Semester students of B. Sc. (Bachelor of Science) from the session 2017-18;

AND

WHEREAS, the original scheme of teaching and examination as approved by the Boards of Studies, Academic Council and the Governing Body from time to time, and also were required to be appended by the Programme and Course Outcomes as prescribed by the UGC circular No. F.No. 1-4/2018 (LOCF/QIP) dt.28-8-2019 and as prepared and approved by the Boards of Studies, Academic Council and Governing Body in the session 2020-21.

AND

WHEREAS, the University Grants Commission (UGC), issued guidelines for the curriculum and Credit Framework for Undergraduate Programmes under National Education Policy 2020 dated December 7, 2022.

AND

WHEREAS, Maharashtra State Government Resolution to transfer three year undergraduate degree programme into four years, keeping the uniform credit structure, using modern teaching learning methodology and personalized education format for overall development of students dated on December, 6, 2022.

AND

WHEREAS, revised guidelines of Maharashtra State Government on credit structure for implementing the National Education Policy 2020 dated on April, 20, 2023.

AND

WHEREAS, the Academic Regulations of the programme of BACHELOR OF SCIENCE HONOURS/RESEARCH WITH MAJOR IN BOTANY/ CHEMISTRY/ ELECTRONICS/ MICROBIOLOGY/ MATHEMATICS/ PHYSICS/ ZOOLOGY (Three/Four Year Honours/ Honours with Research UG Degree Programme as per NEP) were approved by the Academic Council in its meeting dated 26-05-2023.

AND

WHEREAS, the Academic Regulations of the programme of BACHELOR OF SCIENCE HONOURS/RESEARCH WITH MAJOR IN BOTANY/ CHEMISTRY/ ELECTRONICS/ MICROBIOLOGY/ MATHEMATICS/ PHYSICS/ ZOOLOGY (Three/Four Year Honours/ Honours with Research UG Degree Programme as per NEP) were subsequently approved by the Governing Body in its meeting dated 27-05-2023.

NOW

THEREFORE, I, Principal of Bajaj College of Science, Wardha, on behalf of the Governing Body of Bajaj College of Science, Wardha, hereby release the following Academic Regulations. These Academic Regulations shall be called "ACADEMIC REGULATIONS GOVERNING THE EXAMINATION LEADING TO DEGREE OF BACHELOR OF SCIENCE HONOURS/RESEARCH WITH MAJOR IN BOTANY/ CHEMISTRY/ ELECTRONICS/ MICROBIOLOGY/ MATHEMATICS/ PHYSICS/ ZOOLOGY" (Three/Four Year Honours/ Honours with Research UG Degree Programme as per NEP) under the Faculty of Science and Technology of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.

These Academic Regulations shall come into force with immediate effect and shall apply to all students to be admitted to the First Semester of **BACHELOR OF SCIENCE HONOURS/RESEARCH WITH MAJOR IN BOTANY/ CHEMISTRY/ ELECTRONICS/ MICROBIOLOGY/ MATHEMATICS/ PHYSICS/ ZOOLOGY (Three/Four Year Honours/ Honours with Research UG Degree Programme as per NEP)** from the session 2023-2024.

Prof. P.V. Tekade  
Principal (Offg)

Date: 23/05/2023

## **BAJAJ COLLEGE OF SCIENCE, WARDHA(Autonomous)**

(Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)

### **ACADEMIC REGULATIONS GOVERNING THE EXAMINATION LEADING TO DEGREE OF BACHELOR OF SCIENCE [B. SC.] HONOURS/RESEARCH WITH MAJOR IN BOTANY/ CHEMISTRY/ ELECTRONICS/ MICROBIOLOGY/ MATHEMATICS/ PHYSICS/ ZOOLOGY**

**(Three/Four Year Honours/ Honours with Research UG Degree Programme as per NEP)**

1. TITLE OF THE PROGRAMME: BACHELOR OF SCIENCE HONOURS/RESEARCH WITH MAJOR IN BOTANY/ CHEMISTRY/ ELECTRONICS/ MICROBIOLOGY/ MATHEMATICS/ PHYSICS/ ZOOLOGY (Three/Four Year Honours/ Honours with Research UG Degree Programme as per NEP)
2. PROGRAMME CODE: BCS-UG-01-BS
3. DURATION OF THE PROGRAMME: A FOUR YEAR/ EIGHT SEMESTER FULL TIME UG DEGREE (WITH MULTIPLE ENTRY AND EXIT OPTIONS)
4. PATTERN OF THE PROGRAMME: CHOICE BASED CREDIT SYSTEM (CBCS) as per NEP.
5. MEDIUM: ENGLISH
6. TIME SCHEDULE:
  - An academic year is divided into TWO TERMS.
  - Term I shall have odd Semesters I, III, V & VII, whereas Term II shall have even Semesters II, IV, VI & VIII.
  - As per UGC Regulations, 2018 the college has divided its teaching, admission and examination days as under:
    - In each semester, courses are offered in 15 teaching and learning weeks (90 teaching days) per semester.
    - One week is to be given to the students for preparation of examination it is considered as preparation leave for the students per semester.
    - Four to six weeks are to be utilized for conduct of examinations and evaluation purposes per Semester.
    - Two weeks are to be utilized for admission.
  - Each week shall have 40 working hours spread over 6 days a week, consisting of lectures, tutorials, practicals, assignments, seminars, project work, library work, co-curricular activities, field visits, counseling/guiding sessions, value addition courses, extra-curricular activities including Sports, NSS, NCC, Adult & Continuing Education and Extension activities etc.
  - The detailed Academic Calendar will be published separately in forms of directions every year.

#### 7. ELIGIBILITY TO THE COURSE

Eligibility of every applicant for admission to B. Sc. Semester course shall be:-

**(A) In case of the B. Sc. Semester I examination:-**

- The candidate should have passed the HSC Examination of the Maharashtra State Board of Secondary and Higher Secondary Education with English and other Modern Indian Languages together with any three Science subjects comprised in the faculty of Science or an examination recognized as equivalent thereto in such subjects and with such standards of attainments as may be prescribed.

Provided that students passing the HSC Examination of the Maharashtra State Board of Secondary and Higher Secondary Education and offering Vocational Stream with one Language only and with any one of the following groups of subjects shall be eligible for admission to the B. Sc. Semester I course and in onward semesters with the corresponding group of subjects as shown in following table:-

Eligibility for Admission to B. Sc. (Honours) or B. Sc. (Research) Semester I		
S. No.	Groups of subjects of 12 <sup>th</sup> Standard students	Corresponding Next Higher Examination Major Science Subjects at B. Sc. First Semester along with Compulsory One or More Generic Elective (GE/OE) Course, VSEC (Vocational Skill and Skill Enhancement) Course, Minor Course, Elective Course, Ability Enhancement Course (AEC), Value Education Course (VEC) and Indian Knowledge Course (IKS)
1.	1. English or Any Modern Language 2. Physics, Chemistry, Mathematics, Biology	Any one science subjects as <b>Major</b> from Botany, Chemistry, Electronics, Mathematics, Microbiology, Physics, Zoology
2.	1. English or Any Modern Language 2. Vocational Course of 200 Marks 3. Physics, Chemistry, Mathematics	Any one science subjects as <b>Major</b> from Chemistry, Electronics, Mathematics, Physics
3.	1. English or Any Modern Language 2. Vocational Course of 200 Marks 3. Physics, Chemistry, Biology	Any one science subjects as <b>Major</b> from Botany, Chemistry, Microbiology, Zoology
4.	MCVC Group	
	a) Agriculture Group or Fisheries Group	Any one science subjects as <b>Major</b> from Botany, Chemistry, Microbiology, Zoology
	b) Para-medical group	Any one science subjects as <b>Major</b> from Botany, Chemistry, Microbiology, Zoology
	c) Engineering and Technology or Engineering & Technology repairs & maintenance group	Any one science subjects as <b>Major</b> from Chemistry, Electronics, Mathematics, Physics
	d) Engineering and Technology Group Electronics Technology Trade	Any one science subjects as <b>Major</b> from Chemistry, Electronics, Mathematics, Physics
NOTE: For finalization of admission under Sr. No. 4 a) and b), Chemistry at Standard XII level will be compulsory AND For admission under Sr. No. 4 c) and d), Mathematics at Standard XII level will be compulsory.		

OR

- Any other examination recognized as equivalent thereto; in such subjects and with such standards of attainments as may be prescribed
- An applicant for the examination pursuing the regular course of study leading to the Bachelor Degree in SCIENCE shall not be permitted to join any other course in RTM Nagpur University or any other University simultaneously.

- No person shall be admitted to this programme, if he has already passed the same programme or a programme of any other statutory University (which has been recognized as equivalent to this programme.)

**(B) In case of the B. Sc. Semester II, III, IV, V and VI Examinations: -**

The student should have attended a minimum of 90 days in the respective semester and passed the previous semester examination as per the rules of ATKT as mentioned in following table -

Admission to Semester	Criteria for Admission to Examination
B. Sc. Semester II	The candidate admitted to B. Sc. Semester I as per above criteria given in para 7 (A)
B. Sc. Semester III	Candidates should have passed at least one half of the total passing heads prescribed for Sem I and Sem II examination. (Theory and Practical as separate passing head and on calculation fraction, if any, shall be ignored)
B. Sc. Semester IV	The candidate admitted to B. Sc. Semester III as per above criteria.
B. Sc. Semester V	a) Candidates should have passed Semester I and Semester II examinations. AND b) Candidates should have passed at least one half of the total passing heads prescribed for Semester III and Semester IV examination. (Theory and Practical as separate passing head and on calculation fraction, if any, shall be ignored)
B. Sc. Semester VI	The candidate admitted to B. Sc. Semester V as per above criteria.
B. Sc. Semester VII	a) Candidates should have passed Semester I, II, III and IV examinations. AND b) Candidates should have passed at least one half of the total passing heads prescribed for Semester V and Semester VI examination. (Theory and Practical as separate passing head and on calculation fraction, if any, shall be ignored)
B. Sc. Semester VIII	The candidate admitted to B. Sc. Semester V as per above criteria.

- The National Education Policy (NEP) allows for Re-Entry or Lateral Entry at any level, enabling students to return to the program they previously left, whether in the same or a different Higher Education Institution, within three years of their exit. They can then complete the degree program within a maximum period of seven years from the date of admission to the first year of the undergraduate (UG) program.
- Re-entry at different levels for lateral entrants in academic programs will be determined based on the earned and valid credits deposited and accumulated in the Academic Bank of Credits (ABC) through Registered Higher Education Institutions (RHEI), as well as proficiency test records.
- Lateral entry into the program of study, whether it is for UG Diploma, three-year UG Degree, four-year Bachelor's Degree with Honors, or Honours with Research, will be granted based on the validation of prior learning outcomes achieved. However, admission is subject to availability and the intake capacity of the respective program.
- To be eligible for admission to the fourth year of four-year Honors with Research Degree Programs, applicants must meet the UGC guidelines and have a minimum CGPA of 7.5 or a minimum of 75% in their three-year degree program.

**8. MULTIPLE ENTRY AND MULTIPLE EXIT OPTIONS AS PER NEP 2020:**

- The credit framework for the four-year undergraduate program with multiple entry and multiple exit options aligns with the NEP's vision of flexibility, choice, and lifelong learning. This framework empowers students to chart their academic journey based on their aspirations, interests, and progress. It promotes interdisciplinary learning, credit transferability, and provides recognition at various stages of education.
- Credit Based System: The proposed undergraduate program adopts a credit-based system wherein credits are assigned to each course or module. The credit framework allows students to accumulate credits based on their successful completion of courses.
- Multiple Entry and Exit Points:
  - a) Entry Points: Students can join the undergraduate program at multiple entry points, such as after completing secondary education (12th grade) or after completing a diploma or vocational program. (Detailed mentioned in para 7 of the regulation)
  - b) Exit Points:
    - i) First Year Exit 1 of Level 4.5:  
A Certificate in SCIENCE (with Major from Table No. 1) will be awarded when a student exits at the end of year 1 (Level 4.5) after completing minimum requirement of 40 credits during the first year of the under graduate programme and in additional 04 credits based on core NSQF course/ Internship or Continue with major and minor.
    - ii) Second Year Exit 2 of Level 5.0:  
At the end of the second year, if a student exits, a diploma in SCIENCE (with Major from Table No. 1) shall be awarded (Level 5.0). A diploma requires 84 credits and additional 04 credits based on core NSQF course/ Internship or continue with major and minor.
    - iii) Third Year Exit 3 of Level 5.5:  
On successful completion of three years, BACHELOR OF SCIENCE [B.Sc.] (with Major from Table No. 1) degree shall be awarded (Level 5.5). A degree holder requires 124 credits to be awarded this degree or continue with major and minor.
    - iv) Completion of Fourth Year Level 6.0:  
On successful completion of fourth year, a student will be awarded degree BACHELOR OF SCIENCE [B.Sc.] (with Major from Table No. 1) Honors/ with Research on successful completion of 164 credits.
- A student will be allowed to exit only after the even semester and enter only in odd semester.

## 9. ADMISSIONS

- All admissions to the course will be strictly on merit basis as per the policies and procedures laid down by the college/UGC/Maharashtra State Government/University from time to time.
- Being a Linguistic Minority Institution the college reserves 50% seats (for Grant-in-aid courses) and 51% seats (for no-grant courses) for those students who belong to the Hindi speaking communities as listed in the Eight Schedule for Languages in the Constitution of India subject to the condition that these students are domiciled in Maharashtra State. The students will also have to submit an affidavit to this effect on a Rs. 100/- stamp paper at the time of admission.
- The rest of the seats will be filled from among the other candidates belonging to Open/SC/ST/ VJNT/OBC-SBC/PWD etc. categories as per the reservation rules stipulated by the Government as applicable to the Minority Institutions strictly on merit basis.
- Further, B.Sc. programme is conducted in the college in English Medium only irrespective of the medium of qualifying examination.
- Those who have passed their qualifying examination in Hindi or Marathi Medium shall also be eligible for registration/admissions to B.Sc. programme. However, such applicants shall be considered for admission on merit basis only after clearing a written/oral test of English Language as deemed fit by the Admission Committee and only after the recommendations of Admission Committee.

- Rules regarding admission procedure/policy etc. shall be notified by the college from time to time through Directions, if necessary.

#### 10. ACADEMIC BANK OF CREDITS (ABC)

- Students must enroll in the Academic Bank of Credits (ABC), create an ABC ID, and share this ID with the college.
- The credits earned by students will be reflected in their ABC account.

#### 11. ATTENDANCE CRITERIA

- It is mandatory for all students to have minimum 75% attendance in order to be eligible to appear in a Semester End Examination. Students with below 75% attendance in any given semester shall not be allowed to fill the examination form or appear in the examination.
- Principal may condone the attendance to meet the minimum attendance criterion of 75% only in exceptional cases viz. medical emergencies, deputation of students by college in official programs/activities like NCC/NSS/CWSS/PEC, University level Sports or Extra-curricular activities or any other University/College sponsored activities where he is convinced that meeting the minimum attendance mark was beyond the control of the student and subject to the condition that the student will make up for attendance in subsequent semester.
- Rules regarding attendance shall be notified by the college from time to time through Directions, if necessary.

#### 12. FEES FOR THE COURSE

- The Tuition Fees and other fees shall be as prescribed by the College from time to time for the Course of B.Sc.
- The Examination Fees shall be as prescribed by the College from time to time.

#### 13. STRUCTURE OF THE PROGRAMME/COURSES UNDER NEP:

- The syllabus of B.Sc. is designed by the Boards of Studies of the College and approved by the Academic Council and Governing Body of the College as per the UGC Guidelines on CBCS (Choice Based Credit System) and UGC Guidelines on Curriculum and Credit Framework for Undergraduate Programme date on 7<sup>th</sup> December, 2022 & Maharashtra State Government Regulation on NEP dated on 6<sup>th</sup> December, 2022, 26<sup>th</sup> December, 2022 and 20<sup>th</sup> April, 2023.
- CBCS provides to students a cafeteria approach where students can take courses of their own choice, learn at their own pace, undergo additional courses and acquire more than required credits, and adopt an interdisciplinary approach to learning.
- The NEP 2020 curriculum offers the flexibility to move from one discipline of study to another. The opportunity for learners to choose the courses of their interest in all disciplines. The multiple entry and exit options with the award of UG-Certificate/ UG-Diploma/ Three Year Degree upon the number of credits secure. The flexibility for the learners to move from one institution to another to enable them to have multi/or inter-disciplinary learning.
- Students thus get to study the courses which are both mandatory and optional as following:
  - A. Major Core
  - B. Major Electives
  - C. Minor (inter-disciplinary)

- D. Generic Electives/Open Electives
- E. Vocational Skill Courses
- F. Skill Enhancement Courses
- G. Ability Enhancement Courses
- H. Indian Knowledge System
- I. Value Education Courses
- J. On-the-Job Training
- K. Field Project
- L. Community Engagement Programme
- M. Co-Curricular Courses

- The College will offer B.Sc. in one of the following seven Majors:  
List of Major Subjects Offered Four-Year B. Sc. (Honours) and B. Sc. (Research)

Sr. No.	List of Major Subjects
1.	Botany
2.	Chemistry
3.	Electronics
4.	Mathematics
5.	Microbiology
6.	Physics
7.	Zoology

- Student once opted for any one of the above major/core subjects in first semester has to continue with the same major till the final year of the programme.
- The College will offer B.Sc. in following nine Minor Options in combination with Major:

Sr. No.	List of Minor Subjects	Students of the following Major can opt the Minor.
1.	Biotechnology	Botany, Microbiology, Zoology
2.	Botany	Chemistry, Microbiology, Zoology
3.	Chemistry	Botany, Mathematics, Microbiology, Physics, Zoology
4.	Computer Science	Mathematics, Physics, Electronics
5.	Electronics	Mathematics, Physics
6.	Mathematics	Chemistry, Electronics, Physics
7.	Microbiology	Botany, Chemistry, Zoology
8.	Physics	Chemistry, Electronics, Mathematics
9.	Zoology	Botany, Chemistry, Microbiology

- The college will offer Minor and Electives courses only if minimum 16 students opt for the same.
- For the details of the Credit Structure and scheme of examination **Appendix- I**.

#### 14. PATTERN OF ASSESSMENT / EXAMINATIONS

##### A. Theory

##### a) Major, Minor and Electives: -

- Each Theory Paper shall be that of 100 Marks.
- There will be an Internal Assessment of 30 Marks as detailed in Point No. 14 below.
- There will be an External Assessment of 70 marks through Semester End Examination.



- For consideration of passing marks for all subjects, the criterion would be minimum 40% marks (combined total of both internal and semester end marks) for each subject.
- b) GE/OE, AEC, VEC, IKS
- Each Theory Paper shall be that of 50 Marks.
  - There will be an Internal Assessment of 15 Marks as detailed in Point No. 14 below.
  - There will be an External Assessment of 35 marks through Semester End Examination.
  - For consideration of passing marks for all subjects, the criterion would be minimum 40% marks (combined total of both internal and semester end marks) for each subject.

B. Practical

- Each Practical Paper of Major, Minor, Elective and VSEC shall be that of 50 Marks.
- There will be an Internal Assessment of 15 Marks as detailed in Point No. 14 below.
- There will be an External Assessment of 35 marks through Semester End Examination.
- For consideration of passing marks for all subjects, the criterion would be minimum 40% marks (combined total of both internal and semester end marks) for each subject.

## 15. INTERNAL ASSESSMENT

A. Theory

Internal Assessment for all subjects shall be done as per the following scheme:

Sr. No.	Details	Marks (15)	Marking Scheme	Marks (30)	Marking Scheme	Remarks
1.	1/2 Unit Tests or Quiz of 20 marks each	5	16-20: 05 12-15: 04 09-11: 03 06-08: 02 04-05: 01 00-03: Nil	10	16-20: 10 12-15: 09 09-11: 08 06-08: 07 04-05: 06 00-03: Nil	Students will take 1/2 unit tests on the specific units of syllabus as per the schedule given by the college/department.
2.	1/2 Home assignments of 20 marks each	5	16-20: 05 12-15: 04 09-11: 03 06-08: 02 04-05: 01 00-03: Nil	10	16-20: 10 12-15: 09 09-11: 08 06-08: 07 04-05: 06 00-03: Nil	Students will submit Home assignments on the topics/themes as prescribed by the subject teacher as per the schedule given by the college/department.
5.	Overall conduct as a responsible learner, manners, sincerity, skill inarticulation, leadership qualities demonstrated through organizing, co-curricular activities, active participation in routine class	5	As per valuation of subject teacher	10	As per valuation of subject teacher	Principal to condone attendance to meet the minimum attendance criterion of 75% only in exceptional cases where he/she is convinced that meeting the minimum attendance mark was beyond the control of the student and subject to the condition that the student will make up for attendance in subsequent semester.
	Total Marks	20				

## B. Practical

Sr. No.	Details	Marks (15)	Marking Scheme	Remarks
1.	Duly certified practical record book	10	As per valuation of subject teacher	Students will to perform at least 75% of the practical exercises held in laboratory. The student must record the details of performed experiments in the format given by the college/department. The record should be regularly evaluated by teachers. The students should submit duly certified by teachers and head of the departments.
3.	Internal Viva-Voce	5	As per valuation of subject teacher	Students will face viva voce on the topics/themes as prescribed by the subject teacher as per the schedule given by the college/department.
	Total Marks	15		

**Note:** Students will be given opportunity to take unit tests, submit the assignment, give presentation, take a part in group discussion in special schedule given by the teachers only in case of medical exigencies or if they have been engaged by the college for any of its official programmes like NSS, NCC, Sports, ECA participation etc. on production of stipulated documents.

## 16. PROJECT/FIELD PROJECTS/ON THE JOB TRAINING (OJT)/CEP/PHYSICAL EDUCATION/RESEARCH PROJECT/CO-CURRICULAR COURSES

- **OJT:** Under the supervision of teacher, students will participate in an on-the-job training/internship program relevant to their major subject. The college will assign a group of 10 students to the teacher to monitor the progress of the OJT. The students are required to submit a detailed report, ranging from 30 to 40 pages, to their supervisor or guide. The report should encompass their learning outcomes, experiences, challenges encountered, real-life solutions proposed, and other relevant aspects related to the OJT and the subject teachers will conduct the Viva-voce of the student.
- **FIELD PROJECT:** Every student is required to undertake a field project related to their major subject under the supervision of a teacher. The college will allocate a group of 10 students to the teacher in order to monitor the progress of the field project. The students are required to submit a detailed report, ranging from 15 to 20 pages, to their supervisor or guide. The report should encompass their learning outcomes, experiences, challenges encountered, real-life solutions proposed, and other relevant aspects related to the FP and the subject teachers will conduct the Viva-voce of the student.
- **CEP:** In order to comprehend socio-economic problems and develop the skills to identify real-life solutions, each student must undertake a project focused on social issues under the

guidance of a teacher. The students are required to submit a detailed report, ranging from 20 to 25 pages, to their supervisor or guide. The report should encompass their learning outcomes, experiences, challenges encountered, real-life solutions proposed, and other relevant aspects related to the CEP and the subject teachers will conduct the Viva-voce of the student.

- **RESEARCH PROJECT:** The student who wishes to opt four year UG Degree Honours with Research is required to undergo rigorous research on the topic related to Major subject under the supervision of Guide/Teacher allotted by the college/department. The college will assign a group of 10 students to teacher to oversee the progress of the research project.
- Assessment for OJT/Field Project/CEP/Research Project shall be done as per the following scheme:

Sr. No.	Details	OJT (100 marks and 4 Credits)	FP/CEP (50 marks and 2 Credits)	Research Project (100/200 Marks & 4/8 Credits)
1.	Certificate	20	10	20/40
2.	Report Writing	50	25	50/100
3.	Viva-Voce by subject teacher	30	15	30/60
<b>TOTAL</b>		100	50	100/200

- **CO-CURRICULAR COURSES:** To enhance physical fitness, such as strength, speed, coordination, endurance, and flexibility, the college mandates a compulsory sports and physical education course for all students in the program. Additionally, students can participate in other co-curricular activities like NSS/NCC/Cultural activities on their personal interests. The college will provide specific information about enrolling in these activities through separate circulars whenever necessary.
- Assessment for Sports & Physical education shall be done as per the following scheme:

Sr. No.	Details	Marks	Marking Scheme
1.	Theory/ Workshop	15	As per valuation of the teachers
2.	Attendance	05	00- 74 = NIL, 75-84 = 03, 85-100 = 05
3.	Sport Quiz	15	00- 04 = NIL, 05-10 = 10, 11-15 = 15
4.	Interclass Sports Competitions	15	As per participation of students in various interclass sport competitions conducted by the college/department.
<b>Total</b>		50	

Note: The College will issue separate direction/notification regarding project/field projects/on the job training (OJT)/CEP/physical education/research project/co-curricular courses as when required.

## 17. EXTERNAL/SEMESTER END ASSESSMENT

- There will be Semester End Examinations at the end of all eight semesters.
- The Semester End Examination will be conducted by the college.
- The examination shall be held at the college premises on such dates as will be notified by the college.

## 18. PATTERN OF SEMESTER END EXAMINATION

### A. Theory

- Each theory paper of Semester End Examination for all semesters for Major, Minor and Elective will be that of 70 marks each and for GE/OE, AEC, VEC, IKS it will be 35 marks each.
- The questions would be divided into Long Answer Questions (LAQ's) and Short Answer Questions (SAQ's).
- All questions shall be compulsory with internal choice within the questions.
- The duration of Semester End examination for Major, Minor and Elective shall be of 3 hours and for GE/OE, AEC, VEC, IKS.

### B. Practical

- Each practical paper of Semester End Examination for all semesters will be that of 35 marks each.
- There will be two practical exercises of 15 marks each. The Viva Voce by external examiner will bear 5 marks.
- All questions shall be compulsory with internal choice within the questions.
- The duration of Semester End examination shall be of 5 hours

## 19. PATTERN TO CONDUCT OF ALTERNATIVE EXAMINATIONS:

(for Students who have participated in National and International competitions/ NSS/ NCC/ Sport/ Cultural activities/ events/ competitions conducted by Central, State, University Level, Shiksha Mandal Level etc.)

- The college is committed to providing equal opportunities and acknowledging the achievements of students who have excelled in national and international competitions, NSS, NCC, sports, cultural activities, events, and competitions conducted at various levels.
- Whereas, the alternative examination shall be conducted for such students who participated in National and International competitions/ NSS/ NCC/ Sports/ Cultural activities/ events/ competitions conducted by Central, State, University Level, Shiksha Mandal Level etc.
- Students are required to notify the course coordinators solely about their participation in activities endorsed by the college or relevant authorities. Once the legitimate students are identified, the course coordinators must inform the Principal/Chief Controller of Examination and obtain written permission. Following that, they should promptly submit the names of those students to the Controller of Examinations.
- The examination department will schedule the examination within 15 days upon completion of the Semester End Examination/Supplementary Examination for a specific semester. An alternate examination will be held once per semester. In case a student fails to submit the examination application form or does not appear for the examination due to any reason, their eligibility for that particular examination will be automatically forfeited. They will have the opportunity to take the examination in the subsequent session by submitting a fresh examination application form.
- The examination result for such students will be declared with the semester end examination/ supplementary examination results of that particular semester.

## 20. SCHEME FOR EVALUATION

- The answer books of all Semester End examinations will be assessed by a panel of examiners constituted by the Board of Studies of respective subject and approved by the Academic council of college. The panel consists of experts from the University (approved faculties). The panel will comprise both internal and external faculty.
- The moderation of answer books with a distinction grade of more than 75% and less than 40% will be done by a panel of examiners, and the marks given by the moderator, whether increased or decreased, shall be final.

## 21. GRACE MARKS

- Students have the opportunity to receive Grace Marks, with a maximum limit of 10 marks, during their entire B.Sc. program. This provision applies if they fail in any subject or up to 3 papers/subjects by a margin of 5 marks even after moderation/revaluation. The purpose of this provision is to promote or declare the semester as pass by grace. It is important to note that students can utilize this facility a maximum of 3 times throughout their entire course of study, with a maximum of 3 papers/subjects allowed for grace marks throughout the duration of the program.
- If a student receives grace marks for clearing/passing three subjects in a semester, they will not be eligible for this facility in subsequent semesters. However, if they receive grace marks for passing the semester end examination/supplementary examination in one subject, they can avail the facility for passing two papers/subjects in other semester(s), as long as the total doesn't exceed the limit of 10 marks.
- The award of grace marks shall not be available for seeking exemption(s) in one or more paper(s)/subject(s). In other words, the option to use grace marks for seeking exemption(s) in one or more paper(s)/subject(s) and declaring a pass solely in a specific subject will not be available. Grace marks will only be applicable for passing the overall semester end/supplementary examination.
- The examinee passing with grace marks as above shall not be eligible to be placed in the merit list and also shall not be eligible for any medals, prizes or any other awards pertaining to that examination.
- The examinee shall be eligible for maximum 3 grace marks if his score in a paper/subject falls short by not more than 3 marks for getting distinction in a paper/subject even after moderation or revaluation provided, he has not availed the benefit of grace marks earlier for either passing any subject. Such grace marks can be awarded in maximum TWO papers/subjects during the entire course of studies.
- However, such grace marks shall not be considered for the purpose of ranking or awards. Ranking or awards shall be finalized only on the basis of actual marks (i.e. without grace marks).

## 22. CREDIT SYSTEM OF EVALUATION

- The four-year B. Sc. programme will consist of 172 credits
- In each semester one Major Core will have 6 credit points while additional papers of Major will be of 3 or 6 credits, Minor course will be of 6 credits (except semester VI where minor course will have 3 credit points). The elective and on-the-job training corresponding to major will have 4 credit points where as other course like Generic Electives/Open Electives/ Vocation Skill/ Skill

Enhancement/ Ability Enhancement/ Indian Knowledge System/ Value Educations/ Field Projects/ Community Engagement and Co-curricular will have 2 credit points.

- Each Credit is equivalent to ONE teaching hour in case of theory while TWO teaching hours in case of practical.

### 23. CREDITS AND GRADES

- In the Credit and Grade Point System, assessment of individual subjects in the concerned examinations will be on the basis of marks only, but the marks shall later be converted into Grades by a mechanism wherein the overall performance of learners can be reflected after considering the Credit Points for any given course and the overall evaluation shall be designated in terms of a Grade.
- **CREDIT:** Each Course/subject/paper has been given separate credits. A credit is a unit by which the course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of teaching (lecture or tutorial) or two hours of practical /field work per week.  
Each semester, thus, has a definite number of credits depending on the number of courses/subjects/papers and the credits given to them.
- **GRADE POINT:** Grade Point is a numerical weight allotted to each Letter Grade on a 10-point scale as adopted by the college as under:

#### Criteria for Award of Grades

Sr. No.	Marks Obtained Out of 150	Marks Obtained Out of 100	Marks Obtained Out of 75	Marks Obtained Out of 50	Marks Obtained Out of 25	Grade Point	Grade	Remarks
1	136 - 150	91 - 100	68 - 75	46 - 50	23 - 25	10	O	Outstanding
2	121 - 135	81 - 90	61 - 67	41 - 45	21 - 22	09	A <sup>+</sup>	Excellent
3	106 - 120	71 - 80	53 - 60	36 - 40	18 - 20	08	A	Very Good
4	91 - 105	61 - 70	46 - 52	31 - 35	16 - 17	07	B <sup>+</sup>	Good
5	76 - 90	51 - 60	38 - 45	26 - 30	13 - 15	06	B	Above Average
6	61 - 75	41 - 50	31 - 37	21 - 25	11 - 12	05	C	Average
7	= 60	= 40	= 30	= 20	= 10	04	P	Pass
8	< 60	< 40	< 30	< 20	< 10	0	F	Fail
9	AB	AB	AB	AB	AB	0	AB	Absent

- **CREDIT POINT:** Credit Point is the product of Grade Point and number of Credits for a course.

### 24. CALCULATION OF SGPA

**SGPA (Semester Grade Point Average):** The performance of a student in each course/ subject/ paper in each semester is measured through SGPA which is a ratio of total credit points secured by a student in various courses in the semester and total course credits taken during the semester.

SGPA shall be calculated for each semester as per the formula of SGPA (Si):  $\sum (C_i \times G_i) / \sum C_i$   
[C<sub>i</sub>= no. of credits for the i<sup>th</sup> course and G<sub>i</sub> is the grade point scored by student in the i<sup>th</sup> course.]

### Illustration of SGPA

Course/Subject	Credit	Marks Obtained (Out of 100)	Grade Letter	Grade Point	Credit Points
Course 1	6	87	O	10	6*10=60
Course2	2	79	A+	9	2*9=18
Course3	2	64	A	8	2*8=16
Course4	2	59	B+	7	2*7=14
Course5	2	52	B	6	2*6=12
Course6	2	47	C	5	2*5=10
Course7	2	46	C	5	2*5=10
Course8	2	57	B+	7	2*7=14
Course9	2	70	A	8	2*8=16
	22				170
SGPA			170/22= 7.7		

### 25. CALCULATION OF CGPA

**CGPA (Cumulative Grade Point Average):** It is a measure of overall cumulative performance of a student over all semesters. The CGPA is a ratio of total credit points secured by a student in all semesters and the sum of the total credits of all courses in all the semesters.

CGPA shall be calculated for the entire programme on the basis of SGPA of all semesters.

$CGPA = \frac{\sum (C_i \times S_i)}{\sum C_i}$  [ $S_i$  = SGPA for the  $i$ th semester and  $C_i$  is the total no. of credits in that semester.]

#### Illustration of CGPA

	SEM I	SEM II	SEM III	SEM IV	SEM V	SEM VI	SEM VII	SEM VIII	Total Credits
Credits	22	22	22	22	22	22	22	22	176
SGPA	7.5	7.6	7.8	8.2	8.1	8.14	8.1	8.1	
	22 *7.5	22 *7.6	22*7.8	22*8.2	22*8.1	22*8.14	22*8.1	22*8.1	
	165 +	167.2 +	171.6 +	180.4 +	178.2 +	179.08 +	178.2 +	178.2 =	1397.88
CGPA	1397.88/176= 7.94								

### 26. FINAL AWARD OF DIVISION

After the award of final Grade on the basis of CGPA, the students will be declared as passed with the following Divisions:

CGPA	Grade	Division
9.0-10	O	Outstanding
8.0 - 8.9	A+	Distinction
7.0- 7.9	A	First
6.0 – 6.9	B+	Higher Second
5.0- 5.9	B	Second
4.0- 4.9	C	Pass
00 – 3.9	F	Fail

While calculating the Cumulative Grade score, the value of Grade Point shall be considered Zero (00) in case of students who failed in the concerned course/s i.e. obtained the marks below 40. After calculating the SGPA for an individual semester and the CGPA for entire programme, the value can be matched with the grade in the Grade Point table as per the Seven (07) Points Grading System and expressed as a single designated GRADE such as O, A+, A, B+, B, C, F (Fail).

### 27. DECLARATION OF RESULTS

- The results of all Semester End examinations will be declared within 45 days after the conclusion of examination and will be notified on the college notice boards and website.
- The results of successful candidates at the end of semester-VIII shall be classified on the basis of aggregate marks obtained in all the EIGHT semesters
- An unsuccessful examinee at a Semester End examination shall be eligible for re-examination on payment of a fresh Examination Fee prescribed by the College and will appear for re-examination in the next Examination Schedule of the said semester examination either in Summer or Winter.
- The results of the candidates who have passed the Semester-VIII examination but not passed the lower semester examinations shall be declared as NCL (not completed lower semester examinations). Such candidates shall be eligible for the Degree only after successful completion of all the lower semester examinations.
- Only those candidates who pass all the semester examinations in the First Attempt will be eligible for ranks/awards etc. to be announced by the college.

## 28. ATKT RULES

Unsuccessful Students shall be '*Allowed to Keep Term*' in accordance with the following rules:

Admission to Semester	Candidate should have filled the examination form	Candidate should have passed at least 50% of subjects of the following examinations
Semester II	Of Semester I	
Semester III	Of Semester II	50% of all Semester I & II subjects taken together
Semester IV	Of Semester III	
Semester V	Of Semester IV	All Subjects of Semester I & II clear and 50% of Semester III & IV subjects taken together
Semester VI	Of Semester V	
Semester VII	Of Semester VI	All Subjects of Semester I, II, III, & IV clear and 50% of Semester V & VI subjects taken together
Semester VIII	Of Semester VII	

### Note:

- For consideration of passing marks for all subjects, the criterion would be minimum 40% marks (combined total of both internal and semester end marks) for each subject.
- Total marks (Internal + Semester End Examination) obtained by the student shall be converted into Grades as illustrated earlier.

## 29. REVALUATION

- The reassessment process is carefully crafted to ensure a just and impartial evaluation carried out by independent examiners who were not part of the initial assessment. Students are provided with the opportunity to request a reassessment if they have any concerns regarding the assessment of their answer-books.
- Students can apply for revaluation of their answer-books after paying the prescribed fees and following due procedure.
- The student should fill the revaluation form and he/she can request and receive copies of their evaluated answer-books within a reasonable timeframe. Students are advised to review the assessed answer-books with their subject teacher. If the teacher deems reassessment necessary after evaluating the answer-book(s), the student may apply for a recheck or challenge the valuation of the respective answer paper within the allotted timeframe.
- The revaluation of answer-books shall be done by a panel of external experts only.
- If there is a variation of more than 5% to 10 % of marks between the original marks and the marks after reassessment the marks after reassessment (R1) shall be granted.



- In case there is a variation of more than 10% to 20% of marks between the original marks and the marks after the reassessment (R1) the paper shall be subjected to another reassessment (R2).
- In case there is a variation of more than 10% to 20% of marks between the marks after the first reassessment (R1) and marks after the second reassessment (R2) the paper shall be subjected to third reassessment (R3).
- Marks awarded after the third reassessment (R3), whether increased or decreased, shall be taken as final marks.

### 30. MAXIMUM ATTEMPTS

A candidate who fails in any of the semester examinations may be permitted to take the examination again at subsequent appearance as per the syllabus and scheme of examination in vogue at the time the candidate took the examination for the first time. This facility shall be limited to the following two years i.e. 4 more attempts with same syllabus. If the student has exhausted all four attempts and failed and still wishes to appear in the examination, they will have the chance to take the examination in subsequent semester end examinations, with four more attempts available, either with a new syllabus or the syllabus in place at that time.

### 31. REJECTION OF RESULT

- The candidate shall have an option of being NOT DECLARED SUCCESSFUL in any of the semester end examinations if he/she fails to secure minimum 60% marks in aggregate in that semester. This option can be opted only through prescribed format forming a part of Examination Application Form for semester end examination. It shall be applicable only to the external/semester end examination and not to the marks awarded in Internal Assessment which shall not be altered in any case. Once the candidate opts for Rejection of Results Scheme, his option shall be irrevocable.
- The candidate who fails in one or more subjects of a semester may be permitted to reject the result of the whole examination of that semester. Rejection of result subject-wise shall not be permitted. A candidate who rejects the result shall appear in the examination of that semester in the subsequent examination.
- Rejection shall be exercised only once in each semester and the rejection once exercised cannot be revoked.
- Application for rejection along with payment of prescribed fee shall be submitted to the Controller of Examination of the College along with the original statement of marks within 30 days from the date of publication of the result.
- A candidate who rejects the result of a given semester shall not be eligible for admission to the next semester.
- A candidate who has exercised the rejection option shall be eligible for grade/division only and not considered for any ranking.

### 32. IMPROVEMENT OF RESULTS

- A candidate who has passed in all the papers of a semester may be permitted to improve the result by reappearing for the whole examination of that semester.
- The reappearance shall be permitted only once in each semester.
- The reappearance for the examination of any semester shall be permitted during the subsequent examination of that semester.
- Application for reappearance along with payment of prescribed fees shall be submitted to the College along with the original statement of marks within 30 days from the declaration of results.

- If a candidate passes in all subjects in the reappearance, higher of the two aggregate marks secured by the candidate shall be awarded to the candidate for that semester. In case the candidate fails in reappearance, he shall retain his first appearance result.
- A candidate who appears for improvement of results shall be eligible for grade/division but not for ranking.
- Internal assessment marks shall remain the same and they are not included in the improvement of result scheme.

### 33. AWARD OF MARK SHEET/S

- All Mark Sheets for all semesters shall be awarded by the college at the end of each semester.
- Each Semester End Mark Sheet shall reflect both the actual marks and the Credits of each subject along with the Grade Letter designated for the marks obtained and SGPA.
- The Mark Sheet shall specifically mark all the pass/exempted/pass with grace and fail subjects.
- The Final Semester Mark Sheet shall include stipulated Credits / Credit Points.
- The Final Semester Mark Sheet shall include total marks, CGPA and final designated GRADE such as O, A+, A, B+, B, F (Fail).

### 34. AWARD OF DEGREE

- Students shall receive Degree from the RTM Nagpur University on payment of the prescribed fee.
- The Degree shall be issued at the end of successful completion of the programme i.e. after passing all semester end examinations. It shall be signed by the Hon'ble Vice-Chancellor and shall have the college's name on it.

### 35. GRIEVANCE REDRESSAL MECHANISM

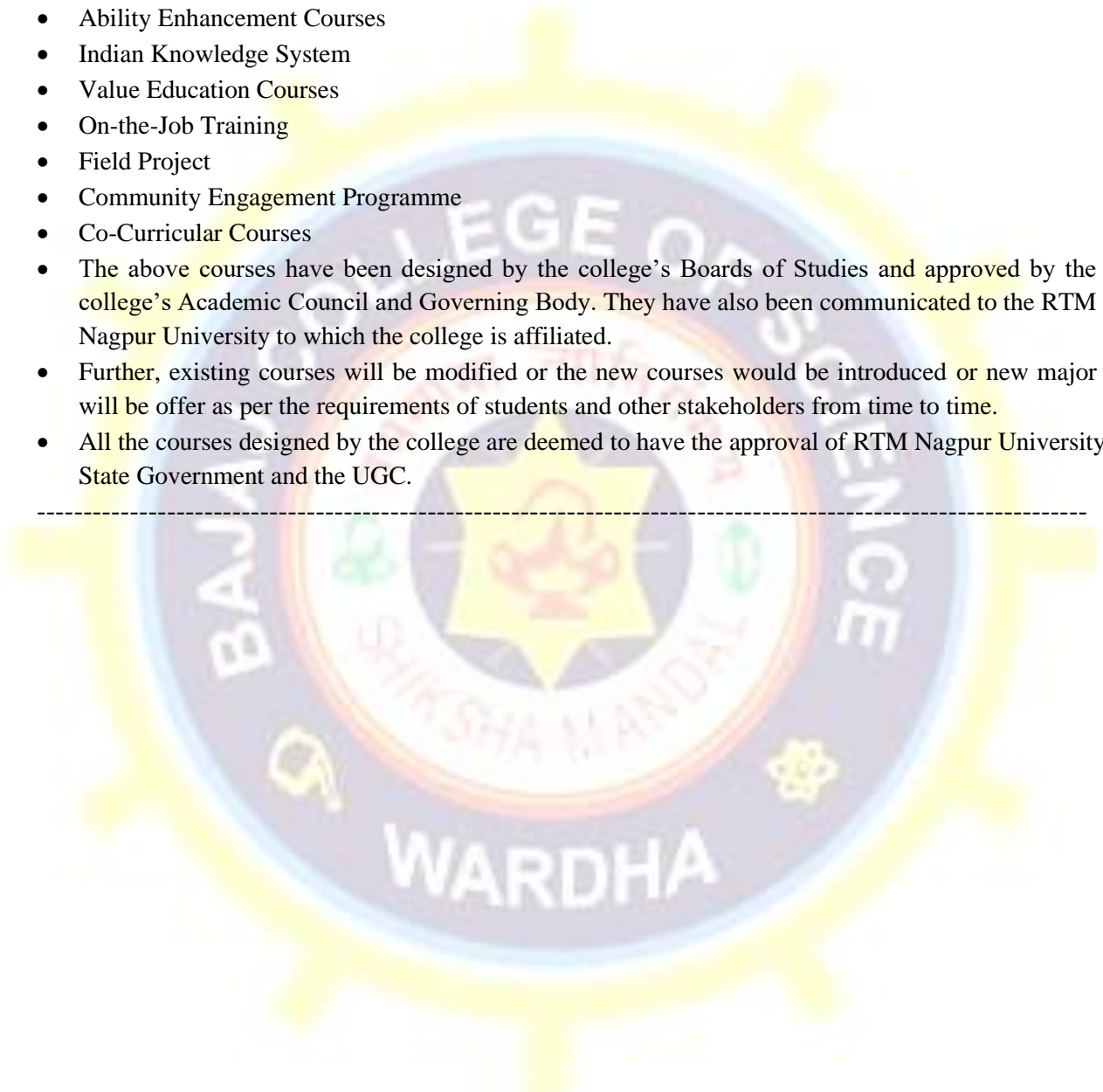
- There shall be a Grievance Redressal Committee for all grievances related to examinations and assessment.
- The Committee shall be headed by the Director, Board of Examination/ Controller of Examination and shall have as members all HOD's/Course Coordinators.
- In case of any dispute, the Director, Board of Examination/ Controller of Examinations/Principal shall decide the matter and his decision shall be final.

### 36. ABSORPTION SCHEME

- Only fresh candidates will be eligible for admission to this programme and students absorb as per the New Education Policy 2020 and Maharashtra Government GR received on dated 06-12-2022, 26-12-2022 and 20-04-2023.
- Other students already enrolled in B.Sc. course of RTM Nagpur University or any other University or any other autonomous college can also join this course from Semester III, V and VII stages subject to the conditions of medium and vacancies provided they have studied and passed in their previous semesters in RTM Nagpur University or any other university with the same major and minor courses as prescribed in this course. Alternatively, such students will have to take examination in those subjects which they have not studied in earlier semesters in RTM Nagpur University, any other university or any other autonomous college earlier and their final results in this course will be declared only after they clear these subject/s in maximum four attempts in four consecutive examinations.

### 37. REVISION OF COURSES

- The college is offering a number of courses as per the following classification/Verticals as per National Education Policy 2020:
  - Major Core
  - Major Electives
  - Minor (inter-disciplinary)
  - Generic Electives/Open Electives
  - Vocational Skill Courses
  - Skill Enhancement Courses
  - Ability Enhancement Courses
  - Indian Knowledge System
  - Value Education Courses
  - On-the-Job Training
  - Field Project
  - Community Engagement Programme
  - Co-Curricular Courses
  - The above courses have been designed by the college's Boards of Studies and approved by the college's Academic Council and Governing Body. They have also been communicated to the RTM Nagpur University to which the college is affiliated.
  - Further, existing courses will be modified or the new courses would be introduced or new major will be offer as per the requirements of students and other stakeholders from time to time.
  - All the courses designed by the college are deemed to have the approval of RTM Nagpur University, State Government and the UGC.
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**APPENDIX-I**  
**CREDIT STRUCTURE FOR B. Sc. (Major in)**  
**(AS PER THE NATIONAL EDUCATION POLICY 2020)**

Level	SEM	Major		Minor, RM	GE/OE	VSEC (VSC, SEC)	AEC, VEC, IKS	OJT/FP/CEP/CC/CP	Cumulative Credit	Cumulative Credit/Year
		Core	Electives							
4.5	I	6	---	6	2	2 (VSC)	2 (AEC) 2 (VEC) 2 (IKS)	---	22	<b>UG Certificate 44</b>
	II	6	---	6	2	2 (SEC)	2 (AEC) 2 (VEC)	2 (CC)	22	
	Cumulative Credit	12	---	12	4	2+2	4+4+2	2	44	
Exit Option: Award of UG Certificate in Major and Minor with 44 credits and an additional 4 credits core bridge course corresponding to skill-based and vocational courses and internship OR continue with Major and Minor										
5.0	III	6	---	6	2+2	2 (VSC) 2 (SEC)	2 (AEC)	---	22	<b>UG Diploma 88</b>
	IV	6	---	6	2	2 (SEC)	2 (AEC)	2 (FP/CEP) 2 (CC)	22	
	Cumulative Credit	24	---	24	10	4+6	8+4+2	2+4	88	
Exit Option: Award of UG Diploma in Major and Minor with 88 credits and an additional 4 credits core NSQF course and internship OR continue with Major										
5.5	V	6+6	4	---	---	2 (VSC)	---	---	22	<b>UG Degree 132</b>
	VI	6+6	4	---	---	2 (VSC)	---	4 (OJT)	22	
	Cumulative Credit	48	8	24	10	8+6	8+4+2	2+4+4	132	
Exit Option: Award of UG Degree in Major and Minor with 132 credits OR continue with Major										
6.0	VII	4+4+3+3	4	4 (RM)	---	---	---	---	22	<b>UG Honours Degree 176</b>
	VIII	4+4+3+3	4	---	---	---	---	4 (OJT/FP)	22	
	Cumulative Credit	76	16	24+4	10	8+6	8+4+2	2+4+8	176	
Award of Four Year UG Honours Degree in Major and Minor with 176 credits.										
6.0	VII	6+4	4	4 (RM)	---	---	---	4 (RP)	22	<b>UG Honours With Research Degree 176</b>
	VIII	6	4	---	---	---	---	4 (OJT/FP) 8 (RP)	22	
	Cumulative Credit	64	16	24+4	10	8+6	8+4+2	2+4+8+12	176	
Award of Four Year UG Honours with Research Degree in Major and Minor with 176 credits.										