

ORDINANCES AND REGULATIONS

FOR

MASTER OF SCIENCE (M. Sc.) PROGRAMMES

IN

CHEMISTRY, MATHEMATICS AND PHYSICS

(Applicable to 2018 Admission Onwards)

(Approved by 64th meeting of the Senate held on 09 May 2018)



NATIONAL INSTITUTE OF TECHNOLOGY CALICUT

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ORDINANCES

- O.1** Eligibility of Admission, Admission policy and procedure shall be decided from time to time by the Board of Governors of the Institute, following the guidelines issued by MHRD, Government of India.
- O.2** The exact eligibility criteria for admission to the programme shall be as approved by the Senate of the Institute from time to time and announced by the Institute for admission each year.
- O.3** The normal duration of the programme including project/research work shall be **TWO years (FOUR semesters)**.
- O.4** The award of the M.Sc. degree shall be in accordance with the regulations of the Senate of the Institute.
- O.5** The Senate/BoG of the Institute has the right to modify any regulations stated from time to time.

REGULATIONS

R.1.0 Admission

- R.1.1 The admission policy and procedures are as decided from time to time by the Board of Governors (BoG) of the Institute following the guidelines from MHRD, Govt. of India.
- R.1.2 Candidates for admission to M. Sc. programme should have passed a full time degree programme of 3 or more years duration in the appropriate branch of science/mathematics with first class (60% marks or CGPA 6.5/10) in aggregate in the qualifying examination and for SC/ST candidates 50% marks or CGPA 5.5/10 in aggregate in the qualifying examination.
- R.1.3 Reservation Policy as decided by the BoG following the directives of MHRD will be followed.
- R.1.4 The Post-graduate Admissions Committee constituted by the Chairman, Senate will decide on the operational aspects of selection of candidates based on the criteria laid down by the Senate.
- R.1.5 Vacancies, if required to be filled up after the admission date, will be decided by the Chairman, Senate and reported to the senate for post facto approval.
- R.1.6 The fee structure is as decided by the Board of Governors from time to time. The mode of payment is as decided by the Senate from time to time.
- R.1.7 Minimum duration of M. Sc. Degree programme is 4 semesters. In any case, a student must complete this programme within a period of 4 years.
- R.1.8 Award of degree shall be made by the Institute in accordance with the regulations framed by the Senate of the Institute.

R.2.0 Structure of the M. Sc. Programme

- R.2.1 The programme of instruction will consist of:
- i) Core courses (compulsory)
 - ii) Elective courses (departmental/non departmental)
 - iii) Laboratory
 - iv) Seminar
 - v) Project work and dissertation
- R.2.2 The student may be required to give one or more seminars and undergo industrial/practical training during the programme.
The complete programme for M. Sc. will be for a duration of **two years (4 semesters)**.

- R.2.3 The academic programmes in each semester may consist of course work, seminar and project work as specified by the Senate.
- R.2.4 The M. Sc. programme will have a curriculum and syllabi for the courses approved by the Senate. The curriculum should be so drawn up so that the minimum number of credits for successful completion of the programme **is not less than 70**. Credits will be assigned to the courses based on the following general pattern:
- i) **One credit** for each lecture hour
 - ii) **One credit** for each laboratory or practical session of two hours
 - iii) **Two credits** for each laboratory or practical session of more than two hours.
 - iv) Credit for the seminar, project work and industrial/practical training will be as specified in the curriculum approved by the Senate.
- R.2.5 A student will have to register in all the **core courses** listed in the curriculum.
- R.2.6 **Electives** will have to be taken from the courses offered in that particular semester from among the list of approved courses as per the curriculum.
- R.2.7 A student who has acquired the minimum number of total credits for the award of the degree will not be permitted to register for more courses to improve his/her cumulative grade point average.
- R.2.8 The medium of instruction, examinations, seminar and project reports will be English.

R.3.0 Programme Coordinator

- R.3.1 To help the students in planning their courses of study and for getting general advice on academic programme, the Head of the Department (HoD) will assign a Programme Coordinator for the M.Sc. programme. The Programme Coordinator shall keep a record of the academic activities of students registered for the programme. The Programme Coordinator in consultation with the HoD may avail the services of a few Faculty Advisors (FA). However, the Programme Coordinator will be the overall in-charge in all matters concerning the students' academic work and progress.

R.4.0 Class Committee

- R.4.1 For each semester of M. Sc., a Class Committee for each programme will be constituted by the Head of the Department as follows:
Chairperson: A senior faculty/Programme Coordinator of M. Sc. Programme nominated by the HoD.
Members: 1) All Course Faculty/Course Coordinator handling classes for the concerned semester of the M. Sc. programme.
2) One or Two student members from the concerned semester of M. Sc. Programme
- R.4.2 The term of the Class Committee shall be one semester.
- R.4.3 The basic responsibilities of the class committee are:

- a) To review periodically the progress of the classes, to discuss problems concerning curricula and syllabi and the conduct of the classes.
- b) The type of assessment for the course will be decided by the teacher in consultation with the class committee and will be announced to the students at the beginning of the semester.
- c) Each class committee will communicate its recommendations to the Head of the Department and the Dean (Academic).
- d) The class committee without the student members will also be responsible for the finalization of the semester results.

R.4.4 The class committee is required to meet at least twice in a semester once at the beginning of the semester and another after the end-semester examination to finalize the grades. As per **R.4.3** it is desirable that the Class Committee may meet after the mandatory test series also for analyzing the performance of the students and to initiate steps to motivate academically weak students.

R.5.0 Registration and Enrolment

R.5.1 For each semester every student has to enroll and register for the courses he/she intends to undergo on a specified day notified to the student. The Programme Coordinator/Faculty Advisers will guide the students in the registration process.

R.5.2 The Registration card will give details of the core and elective courses, project and seminar to be taken in a semester with the number of credits. The course category should be as approved by the Senate. The student should consult his/her Programme Coordinator/Faculty Advisor for the choice of courses. The registration card is then filled in triplicate and signed by the student and the Programme Coordinator (PC)/Faculty Adviser, of which one copy is to be submitted to the PC/FA and one copy is to be submitted to the academic section at the time of registration.

R.5.3 A student has to pay the semester fee before the day of registration as per the schedule announced by the Dean (Academic).

R.5.4 A student will become eligible for enrolment only if he/she satisfies **R.6.1** and in addition he/she has cleared all dues to the Institute, Hostel and the Library up to the end of the previous semester and also he/she is not debarred from enrolment by the competent authorities. If for any compelling reasons a student is unable to register on the day of registration then he/she can register on or before the late registration day specified in the academic calendar on payment of late registration fee together with the usual fees.

R.5.5 **Withdrawal from a course registered** is permitted within **two weeks** from the date of commencement of the semester. Substitution by another course is not permitted. The number of courses remaining registered after withdrawal should enable the student to earn the credits required to continue the studies as indicated under **R.6.0**. Courses withdrawn will have to be taken when they are offered next, if they belong to the list of

core courses (compulsory courses).

R.5.6 The normal academic load of a student in a semester is 12 to 20 credits. Any load above 20 credits in a semester is regarded as over load. Any load below 12 credits, except in the final semester, is regarded as reduced load. In no case a student will be permitted to register for more than ten courses or more than seven courses of T (Theory) & C (Theory cum Practical) types or for more than 26 credits in a semester. The HoD shall communicate the details of students taking over load/reduced load to the Dean (Academic) within 3 weeks of commencement of the semester.

R.6.0 Minimum Requirement to Continue the Programme

R.6.1 A student should have earned not less than 20 successful credits and CGPA of 4.0 or above at the end of the second semester; **failing to satisfy this requirement, the student will have to leave the programme.**

R.6.2 The above stipulation can be relaxed if the student is permitted by the Dean (Academic) to discontinue any semester temporarily on medical reasons, based on his/her request with the recommendation of HoD & DCC.

R.7.0 Maximum Duration of the Programme

R.7.1 A student is ordinarily expected to complete the M. Sc. programme in four semesters.

R.7.2 The maximum duration within which the M. Sc. programme is to be completed is four years from the date of admission.

R.8.0 Temporary Discontinuation

R.8.1 In extraordinary circumstances like medical grounds, a student may be permitted by the Dean (Academic) to withdraw from a semester completely. **Normally a student will be permitted to withdraw from the programme only for a maximum continuous period of two semesters.** Before joining back to the programme, the student should submit the fitness certificate from the doctor who treated him/her, with endorsement from the Institute Medical Officer.

R.9.0 Discontinuation from the Programme to take up a Job

R.9.1 Students may be permitted to discontinue the programme and take up a job **provided they have completed all the course work and as per rules for the award of any financial support such as scholarship/stipend they are drawing from the Institute or any other agency.** If permitted, the project work can be done during a later period either in the organization where they work if it has R & D facility, or in the **Institute. Such students should complete the project within eight semesters from the date of admission to the programme.** Students desirous of discontinuing their programme at any stage with the intention of completing the project work at a later date should seek

and obtain the permission of the Dean (Academic) before doing so.

R.10.0 Project work in Industries/other Organisations

- R.10.1 Students after completion of the course work may be permitted to carry out their sixth semester project work in Industry/R&D Organizations of high repute. Those students who are planning to carry out the final project in reputed Industries/Organizations are permitted to credit the electives in the final semester in advance with the permission of PC/HoD.

R.11.0 Discipline

- R.11.1 Every student is required to observe disciplined and decorous behaviour both inside and outside the campus and should not indulge in any activity which will tend to bring down the prestige of the Institute.
- R.11.2 Any act of indiscipline or misbehaviour of a student reported to the Dean (Academic) shall be referred to a Discipline & Welfare Committee constituted by the Chairman, Senate. The Committee shall enquire into the charges and decide suitable punishment, if the charges are substantiated. The Committee will also authorize the Dean (Academic) to implement the decision.
- R.11.3 The punished students, if any, may appeal to the Chairman, Senate, whose decision shall be final and binding in all respects.
- R.11.4 Ragging of any nature is a criminal and non-bailable offence. Involvement in ragging shall lead to stringent punishment, including imprisonment as per the law of the land. A student, whose involvement in ragging is established, shall be summarily dismissed from the Institute. Each student of the Institute, along with his/her parent, is required to give an undertaking in this regard and the same is to be submitted at the time of registration.

R.12.0 Attendance

- R.12.1 Minimum attendance requirement for crediting a course shall be 80%. The percentage of attendance calculated on the last instructional day shall be indicated by a letter code as given below and shall be reported to the class committee.

Attendance mapped to Code

90% and above: **H**

80% and above but less than 90%: **N**

Less than 80%: **L**

The percentage of attendance shall be calculated for the classes conducted from the date of commencement of the classes in the semester as per the academic calendar. This is applicable in the case of late registrations also. In case of late admission of first semester students, it may be counted from the date of his/her admission

R.12.2 A student whose attendance is less than 80% for a course (L grade) is not eligible to appear for the end semester examination for that course, if he/she has not been sanctioned condonation of shortage of attendance as per rule **R.13.0**.

R.12.3 The details of all students who have attendance less than 80% in a course (L grade) shall be announced by the course faculty on the last instructional day in the class. These details shall be sent to the concerned PC/HoD.

R.13.0 Leave

R.13.1 Students must attend all the classes for the courses which are registered by him/her without fail. If a student cannot attend any of the classes due to sickness or any compelling reasons judged to be valid by the PC/HoD, same shall be informed to the course faculty and PC in advance, if possible or at the earliest. Student shall submit leave application with recommendations of PC to the HoD in advance, if possible or at the earliest.

If the number of days of absence due to medical reasons, as stated above, does not exceed **10 consecutive days**, application for medical leave, supported by medical certificate from a registered medical officer with the endorsement by the Institute Medical Officer, shall reach the HoD with recommendations from PC, within five instructional days after returning from leave or, on or before the last instructional day of the semester, whichever is earlier. Application for Medical Leave will be considered only in cases where the student is not in a position to attend any of the classes during the period mentioned in the Medical Certificate.

Medical Leave for a period of more than **10 consecutive days** shall be admissible only in the case of ill-health requiring hospitalisation/physical indisposition with inability to move, such that the student is not in a position to attend any of the classes during the period of Medical Leave applied for. In such cases, the application for Medical Leave should be accompanied by appropriate supporting documents (such as Discharge Summary/treatment records) in addition to the medical certificate obtained from a registered medical practitioner. All the supporting documents and medical certificate are to be endorsed by the Institute Medical Officer. The application for Medical Leave, along with the above documents, should be submitted to the Dean (Academic) with recommendation from the PC and HoD. Decision on granting the Medical Leave will be taken by a sub-committee constituted by the Dean (Academic).

The students who are granted Medical Leave for more than **10 days consecutively** shall produce Medical Fitness Certificate after returning from leave, for continuing the programme.

R.13.2 Those students having overall attendance of less than 80% (L grade) but having 80% or more attendance for the period other than their Medical Leave, as stated in **R.13.1**, may be considered for condonation of shortage of attendance subject to the following conditions:

(i) The overall attendance in the course including the period of illness should not fall below 50%.

- (ii) Medical Leave should have been granted by the competent authority, in response to the application for Medical Leave submitted within the stipulated time (within five instructional days after returning from leave or, on or before the last instructional day of the semester, whichever is earlier), as stated in **R.13.1**.

Application for condonation recommended by the Programme Coordinator and concerned faculty is to be submitted to the HoD on or before the last instructional day of the semester/or on a date indicated by the department. The application for condonation should be accompanied by the proof of approval of the Medical Leave by the competent authority, obtained within the stipulated time (as stated in **R.13.1**). The HoD, depending on the merit of the case, may permit the student to appear for the end semester examination. List of such students permitted to appear for the end semester examination will be published in the department. The details of approval of condonation will be intimated to PC, Course Faculty, Faculty in charge of Examinations and Dean (Academic). All the related records shall be kept with concerned PC in the department. **A student shall be eligible for this concession only once during the entire degree programme.**

R.13.3 Students are expected to attend all the classes of theory and practical/drawing/seminar courses. As an incentive to those students who participate in extra-curricular activities such as Tathva and Ragam/Cultural events inside or outside institute and those who represent the Institute in sports & games, cultural/technical events or festivals outside the Institute, and those attended in the Institute placement process, a relaxation of up to 5% attendance shall be given, subject to the condition that these students get prior approval from the following officials:

1. Tathva: Faculty Convener, Tathva
2. Ragam/Cultural events or festivals inside/outside the Institute): Faculty Convener, Ragam/Dean (Students Welfare)
3. Presenting Technical Papers/Attending Technical Conferences/Workshops: Programme Coordinator/HoD concerned
4. Sports & Games (inside or outside the Institute: Faculty in charge of the concerned event (Faculty in charge of Physical Education)
5. Placement/Internship selection process in the Institute through Training & Placement: Professor (T & P)

All students participating in extra-curricular activities (mentioned above) are advised to get approval for their duty period from the concerned officials, prior to the programme or event. Students participating/attending in the above are advised to collect the duty/attendance certificates (if any) from the above appropriate authority immediately after the activity/programme.

The students who wish to apply for condonation due to loss of class by participating in extra-curricular activities are required to fill up the necessary form and get it signed by the above appropriate authority. All such applications recommended by the concerned PC shall be submitted to HoD on or before the last day for the application for

condonation in the semester as per the academic calendar or on a date indicated by the Department for the same, whichever is later. The HoD, depending on the merit of the case may permit the student to appear for the end semester examination. List of such students permitted to appear for the end semester examination will be published in the department (by HoD) with details to PC, Course Faculty and Faculty in charge of Examinations. All the records shall be kept with PC in the department.

R.13.4 Those students who have attendance less than 50% in any course are not eligible for condonation on any grounds and hence not eligible for appearing for the end semester examination of the course.

R.14.0 Assessment Procedure

R.14.1 The Senate shall decide the assessment procedure from time to time. It shall be based on the system of tests/assignments/tutorials/presentations/course projects/reports etc. and end semester examinations in each course in each semester.

R.15.0 System of Tests/Assignments/Tutorials

R.15.1 For Lecture/Lecture and Tutorial based subjects at least two interim assessments will be made during the semester. The interim assessment may be in the form of periodical tests, assignments or a combination of both, whichever suits the subject best. The assessment details as decided at the class committee will be announced to the students in the beginning of the semester by the course faculty.

R.15.2 For theory courses the total weightage for the interim assessments (interim tests, assignments, tutorials etc.) shall not exceed 60%. The weightage for assignments, tutorials etc. shall not exceed 20%.

R.15.3 For laboratory courses and seminars the assessment policy will be decided by the DCC.

R.16.0 End Semester Examinations

R.16.1 There will be one end semester examination of 3 hours duration in each lecture based course. In the case of laboratory based courses a final examination may or may not be conducted. In the case of projects, a viva-voce examination will be conducted at the completion of the project work.

R.16.2 For theory courses the weight for the End Semester Examination shall not exceed 60%.

R.17.0 Weights for Assessment Components

R.17.1 For all lecture courses and for all courses where lecture clubbed either with practical or drawing or projects etc., the end semester examination shall carry appropriate weightage (normally between 40-60%) as per the curriculum. The remaining weight is for other components like tests/assignments/tutorials/course projects etc. For courses

where the lectures are clubbed either with practical or drawing or projects etc. assessment procedure shall be a properly weighted combination of those for lecture and those for practical or drawing or project components etc., and shall be decided by the course faculty in consultation with the Class Committee.

If end semester examination is planned for a laboratory/practical/drawing course, it shall be conducted before the last instructional day and the weightage for it should not exceed 40%.

R.18.0 Project Evaluation

- R.18.1 There will be two presentations on the project work during the fourth semester to evaluate the progress of the work. The total weight for interim assessment shall not exceed 70%. At the end of the semester, students shall present his/her thesis work before an evaluation committee constituted by the HoD, which will evaluate the work and decide whether the student may be allowed to submit the thesis or whether he/she needs to carry out additional work. This shall be an open presentation. A committee consisting of Programme Coordinator or his/her nominee (as Chairman), the Guide (as Internal Examiner) and an External Examiner (from another department of the Institute or from another reputed institution) shall conduct the final viva-voce examination. In case the thesis is not accepted the candidate shall be allowed to carry out additional work and resubmit after a period of not less than three months decided by the evaluation committee. If the thesis is not accepted again the matter will be referred to the senate and the senate can allow one more chance for submission of thesis if considered necessary.
- R.18.2 Final evaluation of project work will be taken up only after the student completes all the core as well as elective course requirements satisfactorily.
- R.18.3 For the accepted thesis, letter grades shall be allotted by the evaluation committee based on the total marks obtained by the student. The grades allotted for the thesis/project will be counted for calculation of CGPA (as per **R.24.0**) and for the Class awarded for M. Sc. Degree as per **R.27.0** Class/Division.
- R.18.4 The project work/thesis will be considered for awarding Grade 'S' only if a paper, based on the project work is published/accepted for presentation at least in a Scopus indexed conference or a software copyright is granted.

R.19.0 Make-up Examination

- R.19.1 Students who miss any of the mid-term tests or end-semester examination due to ill-health requiring hospitalization/physical indisposition with inability to move or any other compelling reason judged to be valid by the PC/HoD, are eligible for a make-up examination.
- R.19.2 Those who miss test(s) and/or end semester examinations shall apply to the concerned HoD through PC within five instructional/working days after the missed

test/examination or before the prescribed date indicated in the academic calendar whichever is earlier, giving the reasons/proofs for the absence. Applications received after this period will not be entertained. Students residing in the hostels should produce a medical certificate (as the proof for absence) issued by the Institute Medical Officer certifying that he/she was admitted to hospital during the period of examination or he/she was not in a condition to write the examination. Requirement of hospitalized treatment is not applicable in the case of contagious disease like chicken pox.

Students residing outside the campus must produce a medical certificate (as the proof for absence) from a Registered Medical Practitioner certifying that he/she was admitted to hospital during the period of examination or he/she was not in a condition to write the examination, and the same should be duly endorsed by the Institute Medical Officer. All applications for make-up examinations when approved by the concerned HoD shall be given to the PC. The PC shall inform the same to the course faculty concerned. The list of students permitted to appear for the make-up examinations of mid-term tests and end-semester examination shall be published in the department.

R.19.3 Make-up examinations shall be conducted by the course faculty concerned during appropriate slots as per the schedule published in the academic calendar. Record of the corrected marks shall be kept by the concerned faculty, with appropriate entries in the institute DSS. The same shall be informed to the PC.

R.19.4 Students who miss the end semester examination and one or more tests shall be permitted to write one make-up examination only, and no marks shall be separately awarded for the missed tests.

Those who miss the test(s) shall appear for make-up examination along with make-up examination of end semester examination and answer the relevant portions of the question paper with appropriate weight as attached to the test(s) based on the instruction from course faculty.

R.19.5 A student who misses the make-up examination will not normally be given another make-up examination. However, in exceptional cases of prolonged illness resulting in the student missing a make-up examination, Dean (Academic) as the nominee of the Chairman of the Senate, may permit the student to appear for a second make-up examination based on the request from the student (enclosing proof for the reasons for missing the make-up) with appropriate recommendations from the PC/HoD.

R.20.0 Method of Awarding Grades

R.20.1 **Letter Grades:** The weighted total marks secured by the candidate in each course will be converted in to letter grades. The letter grades and the respective grade points are given in the following table:

Letter Grade	S	A	B	C	D	E	F	I	W
Grade Point	10	9	8	7	6	5	0	0	0

A candidate who has registered for a course, but was not permitted to appear for the end

semester examination due to reasons including the shortage of attendance will be awarded W grade with grade point 0 for the course. A candidate whose result on any course is pending decision by appropriate body will be awarded I grade for such courses. All I Grades will be converted to actual grades, normally within a week after publication of results of the regular end semester examination. Any I grade which is not converted to regular grade within the stipulated time will be treated as F grade.

- R.20.2 A student is deemed to have completed a subject successfully and earned the credit if he/she secures any letter grade other than F, W or I. A letter grade F in any course implies failure in that subject. A subject successfully completed cannot be repeated.

R.21.0 Declaration of Results

- R.21.1 After the valuation of end semester examination, two copies of the results sheets of the respective course containing the marks scored, proposed grade and attendance code shall be submitted by the Course Faculty to the Class Committee Chairperson for conducting the class committee to finalize the grades. This shall include results of all make-up examinations.

A Class Committee without the student members shall be convened on a convenient date before the date of declaration of results as per the approved academic calendar. The letter grades to be awarded to the students for different courses shall be verified and finalized at the meeting. Chairperson of the Class Committee shall submit the final results to the HoD for forwarding to the Dean (Academic).

R.22.0 Re-evaluation of Answer Sheets

- R.22.1 **Re-examination of answer sheets prior to re-evaluation: a)** In case any student needs clarification on his/her grade or wishes his/her answer sheets of end semester examinations of any courses other than projects, laboratory, design/studio/thesis and seminars, to be re-examined, he/she can contact the course faculty concerned within five working days on publication of results or within five working days after the commencement of the immediately succeeding semester, whichever is later. The student shall have access to his/her answer paper(s) in the end semester examination which may be shown to him/her by the faculty concerned. If the faculty feels that the case is genuine, he/she may reexamine the case and forward a revised grade, if any, to the Dean (Academic) through the Chairperson of the Class Committee with proper justification for the revision on intimation to the concerned HoD.

b) If a student feels that he/she has grievance which is not genuinely sorted out with the course faculty, he/she may represent the matter to the concerned HoD (Head of the Department to which the course faculty belongs) though his/her PC/HoD (Head of the Department to which the student belongs) within five working days on publication of results or within five working days after the commencement of the immediately succeeding semester, whichever is later. The HoD shall examine the case, take suitable decision and communicate the same to the student in writing. (If the concerned faculty

is the HoD, then HoD may refer the matter to one of the senior faculty members of the department). Revised result, if any, shall be sent to the Dean (Academic) through the Chairperson of the Class Committee with proper justification for the revision on intimation to the concerned HoD.

- R.22.2 Re-evaluation of Answer Sheets:** a) If the student is not satisfied with the decision of the HoD, he/she may appeal to the Dean (Academic) through PC and HoD, within ten working days on receipt of the communication from the HoD, for the re-evaluation of the answer papers. The student has to make necessary payment for the re-evaluation and attach receipt along with application. Dean (Academic) may arrange for the re-evaluation of the answer papers in deserving cases through another faculty (from a panel of minimum 2 (Two) examiners proposed by the HoD) within the Institute. Once the re-evaluation of answer sheets is completed, the result shall be intimated by the faculty who re-examined the answer sheets to Dean (Academic) through the HoD. For all such cases, the results obtained for the re-evaluation will replace the earlier results, only if the increase is more than 5% of the maximum marks.
- b) Requests received from the student within the stipulated time limits only shall be processed.
- c) The decision of the Chairman, Senate will be final and binding for all the clauses above.

R.23.0 Repetition of a Course

- R.23.1 A student securing 'F' or 'W' grade in any subject has to repeat it compulsorily when offered next, if the subject is listed as a core subject.
- R.23.2 If it is an elective subject, the student has option either to repeat it in order to get a successful grade or take another elective course.

R.24.0 Grade Point Average

- R.24.1 The Grade Point Average (*GPA*) will be calculated by the formula.

$$SGPA = \frac{\Sigma(C \times GP)}{\Sigma C}$$

where *C* = credit for the course, *GP* = the grade point obtained for the course and the sum is over all the courses taken in that semester, including those in which the student has secured F and W grades.

For the Cumulative Grade Point Average (CGPA) a similar formula is used except that the sum is over all the courses taken in all the semesters completed up to the point in time, including those in which the student has secured F & W grades.

R.25.0 Conversion of CGPA to Percentage Marks

- R.25.1 The CGPA can be converted to percentage of marks as follows:

$(\text{CGPA} - 0.5) \times 10 = \text{Percentage of marks.}$

R.26.0 Grade Card

- R.26.1 The semester wise Grade Cards issued to each student through PC will contain the following:
- a) The credits for each course registered for that semester.
 - b) The performance in each subject by the letter grade obtained.
 - c) The total number of credits earned by the student up to the end of the semester.
 - d) GPA of the semester
 - e) The Cumulative Grade Point Average (CGPA) of all the courses taken up to and including the semester.
- R.27.2 At the end of the M.Sc. degree Programme a consolidated grade card will be issued to each student.

R.27.0 Class/Division

- R.27.1 Classification in academic performance is based on CGPA and is as follows:
CGPA 8 and above **First class with distinction**,
CGPA 6.5 and above, but less than 8 **First class** and
CGPA 5 and above, but less than 6.5 **Second class**.

R.28.0 Eligibility for the award of M. Sc. Degree

- R.28.1 A student shall be declared to be eligible for the award of M. Sc. degree if he/she has:
- a) Registered and successfully completed all the core courses, seminars and the project.
 - b) Successfully acquired the minimum number of credits prescribed in the curriculum of the given stream within the stipulated time vide **R.7.2**.
 - c) No dues to the Departments, Institute Library, Hostels and
 - d) No disciplinary action is pending against him/her.
- The award of the degree must be recommended by the Senate and approved by the Board of Governors of the Institute.
- R.28.2 Students who completed the programme and are eligible for the award of the Degree can get the following documents from the academic section based on individual application, after the declaration of results: consolidated Grade Card, Provisional Degree, Course Completion, Transfer and Migration Certificates. Degree certificate will be issued during convocation as per the notifications issued by the Institute.

R.29.0 Power to Modify

- R.29.1 Notwithstanding all that has been stated above, the Senate has the right to modify any of the regulations from time to time.