SRM UNIVERSITY
(Under section 3 of UGC Act 1956)

MASTER OF COMPUTER APPLICATIONS
(UNDER CHOICE BASED CREDIT SYSTEM)

REGULATIONS - 2015
((With effect from 2015-16)

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Faculty of Science and Humanities
SRM UNIVERSITY
SRM Nagar, Kattankulathur – 603 203.

FACULTY OF SCIENCE AND HUMANITIES
MASTER OF COMPUTER APPLICATIONS
(UNDER CHOICE BASED CREDIT SYSTEM)
(W.e.f. 2015 - 2016)

REGULATIONS - 2015

R1.0 ELIGIBILITY FOR REGULAR PROGRAMME (3 Years Duration)
The candidates seeking admission to the MCA Degree programme shall be required to have passed:

a. B.C.A. / B.E.S / B.Sc.(Computer Science) / Mathematics / Physics / Statistics / Applied Sciences

OR

b. B. Com/ Bachelor of Bank Management/ B.B.A./ B.L.M./ B.A.(Corporate Secretary ship / B.A.(Economics) / any other Bachelor's Degree in any discipline with Business Mathematics and Statistics or Mathematics / Statistics in Main / Allied level

OR

c. B. Sc. Chemistry with Mathematics and Physics as allied subjects

OR

d. B. E. /B. Tech

OR

e. A Bachelor's Degree in any discipline with Mathematics as one of the subjects at the Higher Secondary level (i.e. in +2 level of the 10+2 pattern)

R1.1 ELIGIBILITY FOR Lateral Entry Programme (2 Years Duration)

a. A pass with minimum aggregate of 60% in B.C.A / B.Sc. in Computer Science / Information Technology.
b. Third semester curriculum as applicable to the existing 3 year MCA program shall be followed in respect of lateral entry students.

R2.0 DURATION AND STRUCTURE OF THE PROGRAMME
R2.1 The programme is organized on semester basis with a total of six semesters.

8.2.1 Internal Assessment

Cycle Test - I	:	05 marks
Cycle Test - II	:	05 marks
Model Examination	:	10 marks
Model Practical Examination	:	05 marks
Attendance based on theory & lab sessions	:	05marks (Maximum).

8.2.2 The end semester University Examination will be conducted as follows:

University Practical Examination	:	020 marks
University Theory examination (To be converted to 50)	:	100 marks

8.2.3 Term Paper and Seminar

In case of Term Paper and Seminar offered in the fourth semester, Internal evaluation will be carried out in three reviews and the corresponding marks assigned to these reviews and submission of thesis are as follows:

Reviews	Marks to be awarded
Review 1 (Abstract)	10
Review 2	20
Review 3	30
Notes and Thesis submission	40
Total	100

R8.3 PROJECT WORK

For the project work, the total marks will be 100 comprising of 50 marks for the internal assessment and 25 marks for project evaluation and 25 marks for Viva-Voce examination. The internal marks will be awarded based on three reviews by a review committee constituted by the HOD and details of marks are as follows:

Reviews	Marks to be awarded
Review 1 (Abstract)	10
Review 2	10
Review 3	20
Thesis submission	10
Total	50

R9.0 REQUIREMENTS FOR APPEARING FOR SEMESTER EXAMINATIONS

A candidate shall normally be permitted to appear for the end semester examination of any semester if he / she has satisfied the semester completion requirements (vide clause 7) and has registered for examination in all courses of that semester.

R10.0 EXAMINATIONS

R10.1 Registration for University Examination is mandatory for all the courses including arrear papers.

R10.2 The end semester examinations will ordinarily be conducted during October to December in the odd semester and during March to May in the even semester. For all theory courses, Question papers will be set by external or internal examiners and valued by two external and / or internal examiners. If the difference in the valuation is more than 10 marks, third valuation will be taken and if the difference is less than 11 marks, to be referred to average. In the case of third valuation, the average of the nearest two valuations shall be considered.

R10.3 The question paper for all theory courses consists of two parts namely PART-A and PART-B. PART-A consists 10 two marks questions without any choice. Part-B consists of 5 sixteen mark questions of either or pattern for each unit (5 Units).

R10.4 All practical examinations including project work, viva voce will be conducted by internal and / or external examiners appointed by the University.

R10.5 The maximum marks for any course (theory or practical excluding project work) will be 100 comprising of 50 marks for internal assessment and 50 marks for the end semester examinations.

R10.6 For project work, the total marks will be 100 comprising of 50 for internal assessment, 25 marks for project evaluation and 25 marks for the Viva-Voce examination. Project viva board constituted by HOD will evaluate the dissertation and conduct viva-voce examination.

R11.0 PASSING REQUIREMENTS

R11.1 A candidate who secures not less than 50% of total marks prescribed for any course with a minimum of 50% of the marks prescribed for the end semester examination shall be declared to have passed in the examination for that course.

R11.2 If a candidate fails to secure a pass in a particular course, it is mandatory that he / she shall register and reappear for the examination in that course during the next semester when examination is conducted in that course. He / she should continue to register and reappear for the examination till he / she secures a pass. However, the internal assessment marks obtained by the candidate in the first attempt shall be retained and considered valid for all subsequent attempts.

R11.3 If a student obtains F grade in a course after I, II and III attempts or makes subsequent attempts beyond the normal duration of the course or less than 40% of internal marks, full marks (100%) shall be assigned to marks-scored in the end semester examinations and the internal assessment marks they have scored during the regular course of study will be ignored.

R11.4 Students who have completed the normal duration of the program but who still have courses with F/I grades, when they appear for the end-semester examinations, then during assessment, full marks (100%) shall be assigned to marks-scored in the end semester examinations and the internal assessment marks they have scored during the regular course of study will be ignored.

R12.0 COURSE WISE GRADING OF STUDENTS

R.12.1 Letter Grades and Grade Points (GP)

All assessment of a course will be done on absolute marks basis. However for the purpose of reporting the performance of a candidate, letter grades, each carrying certain points, will be awarded as recommended by UGC, are as follows:

Range of Total Marks	Letter Grade	Grade Points
95 to 100	O (Out standing)	10
90 to 94	A+(Excellent)	9
85 to 89	A (Very Good)	8
75 to 84	B+ (Good)	7
65 to 74	B (Above Average)	6
55 to 64	C (Average)	5
50 to 54	P (Pass)	4
Fail	F (Fail)	0
Incomplete / Withdrawal	Ab (Absent)	0

"F" denotes Failure due to insufficient marks in the course

"Ab" Failure due to non-appearance in examination

R 12.2. Grade sheet

The grade Sheet issued by the Controller of Examinations to each student, after the announcement of the results will contain the following:

a. The credits for each course registered for that semester,
b. The letter grade obtained in each course
c. The total number of credits earned by the student up to the end of that semester in each of the course categories
d. Semester Grade Point Average (SGPA) of the current semester
e. The Cumulative Grade Point Average (CGPA) of all the courses taken from the I semester onwards for regular students and from III semester onwards for lateral entry students. For lateral entry students the grades awarded in the bridge courses shall also be taken into consideration.

R12.3. Computation of Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA)

(i) The SGPA will be calculated according to the formula

$$SGPA = \frac{\sum_{i=1}^{n} C_i \times (GP)_i}{\sum_{i=1}^{n} C_i}$$

Where C_i = credit for the ith course, $(GP)_i$ = the grade point obtained for the ith course (refer R.16.1) , n = total number of courses and the sum is over all the courses taken in that semester, including those in which the student has secured F grades.

(ii) For the cumulative grade point average (CGPA) following formula is used:

$$CGPA = \frac{\sum_{i=1}^{r} S_i \times (SGPA)_i}{\sum_{i=1}^{r} S_i}$$

where S_i = Sum of credits in i^{th} semester, $(SGPA)_i$ = Semester Grade Point Average earned in i^{th} semester and r = number of semesters and the sum is over all the semesters under consideration.
(iii). The SGPA and CGPA shall be rounded off to 2 decimal points and reported in the transcripts.

R2.2 A candidate shall be required to complete the course of study and qualify for the MCA Degree programme within six years (12 consecutive semesters) from the date of admission to the first semester of the Degree programme. In the case of Lateral Entry, candidate shall be required to complete the course of study and qualify for this degree programme within 5 years (10 consecutive semesters) from the date of admission to the third semester.

R2.3 The curriculum of the MCA programme shall be so designed that the minimum prescribed credits required for the award of the Degree shall be 120 credits.

R2.4 The electives chosen by the students from the curriculum shall be offered, provided that a minimum number of students, to be fixed by the department concerned registered for the same.

R3.0 PROJECT WORK

R3.1 Project work shall be carried out under the supervision of a qualified teacher in the concerned department.

R3.2 The project work will be allotted at the end of fifth semester.

R3.3 The Project Report prepared according to the approved guidelines and duly signed by the supervisor(s) and the Head of the Department shall be submitted to the Head of the Institution.

R3.4 The deadline for submission of final project report is 30 calendar days from the last working day of the semester in which project is done.

R3.5 If a candidate fails to submit the project report on or before the specified deadline, he / she is deemed to have failed in the project work and shall submit the same in a subsequent semester.

R4.0 FACULTY ADVISER

To help the students in planning their courses of study and for general advice on the academic programme, the Head of the Department will attach a certain number of students to a teacher of the Department, who shall function as Faculty Adviser for those students throughout their period of study. Such Faculty Adviser shall advise the students and monitor the courses taken by the students, check the attendance and progress of the students attached to him / her and counsel them periodically. If necessary, the faculty adviser may also discuss with or inform the parents about the progress of the students.

R5.0 CLASS COMMITTEE

R5.1 A class committee consists of teachers of the concerned class, student representatives and a chairperson who is not teaching the class. The functions of the class committee include the following:

- Solving problems experienced by students in the class room and in the laboratories.
- Clarifying the regulations of the degree programme and the details of rules therein.
- Informing the student representatives about the academic schedule including the dates of assessments and the syllabus coverage for each assessment.
- Informing the students representatives on the details of regulations regarding the weightage used for each assessment.
- Analyzing the performance of the students of the class after each test and finding the ways and means of solving problems, if any.
- Identifying the weak students, if any requesting the teachers concerned to provide some additional help or guidance or coaching to such weak students.

R5.2 The class committee shall be constituted on the first working day of any semester or earlier.

R5.3 At least two students' representatives (usually one boy and one girl) shall be included in the class committee.

R5.4 The Chairperson of the class committee may invite the faculty adviser(s) and the head of the department to the meeting of the class committee.

R5.5 The Head of the institution may participate in any class committee of the institution.

R5.6 The Chairperson is required to prepare the minutes of every meeting and submit the same to the Head of the institution within two days of the meeting and arrange to circulate among the concerned students and teachers. If there are some points in the minutes requiring action by the management, the same shall be brought to the notice of the management by the Head of the institution.

R5.7 The first meeting of the class committee shall be held within two weeks from the date of commencement of the semester, in order to inform the students about the nature and weightage of assessments within the framework of the regulations. Two or three subsequent meetings may be held at suitable intervals. During these meetings

the student members representing the entire class, shall meaningfully interact and express the opinions and suggestions of the class students to improve the effectiveness of the teaching learning process.

R6.0 REGISTRATION AND ENROLLMENT

The process of signing up for courses is called registering. Students are enrolled after they pay the prescribed fees. For a student to attend classes he has to complete both registration and enrollment.
All students shall formally register for the courses every semester to undergo course work.

R6.1 Registration of any course will be controlled by the concerned Head of the department.
Except for the first semester, the registration for a semester will be done during a specified week before the end-semester examination of the previous semester.

For the first semester registration shall be completed within a week of commencement of classes. Late registration will be permitted with a fine, decided time to time, up to two weeks from the last date specified for registration.

R.6.2 The registration sheet contains the course number, course name, number of credits and category for each course taken in that semester. The student makes the choice of course (in case of elective courses) in consultation with his / her Faculty Adviser.

R7.0 REQUIRMENT FOR COMPLETION OF A SEMESTER

R.7.1 A MCA student will be deemed to have completed the course in any semester only if

a. He / She secures not less than 75% of attendance overall course in that semester on the total number of period offered in that course during that semester. Condonation of attendance up to 10% is permitted on medical grounds. Relaxation in attendance is permitted up to 10% for students who represent the University in sports, games, cultural, symposium and other similar activities. The above two relaxations either individually or jointly should not exceed 10% but it is applicable for individual course.

b. His / her progress and conduct have been satisfactory throughout the semester.
c. Condonation should be applied for, through proper channel and should be approved by the Vice Chancellor.

R7.2 Those students who have not deemed to have completed the course with reference to the conditions specified above shall repeat all the subjects of the semester concerned in the next academic year.

R7.3 A candidate who is not permitted to appear for the University examinations due to lack of attendance requirements will have to re-register and do the courses when they are offered subsequently.

R8.0 PROCEDURE FOR ASSESSMENT

R8.1 For pure theory-based courses:

8.1.1 Internal Assessment

Cycle Test - I	:	10 marks
Cycle Test - II	:	10 marks
Surprise Test	:	05 marks
Model Examination	:	20 marks
Attendance based on theory class	:	05 marks (Maximum).

The end-semester examination for 100 marks will be conducted at the end of the semester. The breakup of marks to be awarded for attendance is given below:

Attendance Percentage Range	Marks to be awarded
0-75	0
76-80	1
81-85	2
86-90	3
91-95	4
96-100	5

R8.2 For theory courses with laboratory components:

The following procedure will be adopted for the internal assessment marks (25):

R13.0 ELIGIBILITY FOR THE AWARD OF MASTER DEGREE

A student shall be declared to be eligible for the award of the MCA Degree provided.

a. The student has successfully completed the course requirements and has passed all the prescribed examinations in all the 6 semesters within a maximum period of 6 years reckoned from the commencement of the first semester to which the candidate was admitted. In the case of Lateral Entry students (who are admitted directly in third semester), prescribed examinations in all the 4 semesters within a maximum period of 5 years reckoned from the commencement of the third semester.
b. No disciplinary action is pending against the student.

R14.0 CLASSIFICATION OF THE DEGREE AWARDED

Class / Distinction will be awarded to the students after they successfully complete the MCA programme as per norms given in the following table:

Category	CGPA (From I-IV semesters)	Class / Distinction
Students who successfully complete the post graduate programme within the time durationof 4 semesters.	≥ 5 & < 5.5	Pass
	≥ 5.5 & < 6	Second Class
	≥ 6 & < 8.5	First Class
	≥ 8.5 (without U or W or I or temporary withdrawal in any Semester)	First Class with Distinction
Students who cannot complete the post graduate program in 4 semesters but complete it successfully within the time duration of 5 semesters.	≥ 5 & < 5.5	Pass
	≥ 5.5 & < 6	Second Class
	≥ 6	First Class
Students who cannot complete the post graduate program in 5 semesters but complete it successfully within the time duration of 6 semesters.	≥ 5 & < 5.5	Pass
	≥ 5.5	Second Class

R15.0 TEMPORARY BREAK OF STUDY FROM A PROGRAMME

R15.1 A candidate is not normally permitted to temporarily break the study. However if a candidate intends to temporarily discontinue the programme in the middle for valid reasons (such as accident or hospitalization due to prolonged ill health) and to rejoin the programme at a later semester he / she shall apply to the Head of the Institution in advance but not later than the last date for registering for the semester examinations of the semester in question. Such applications should be routed through the Head of the Department and the Dean of the Faculty stating the reasons for break of study.

R15.2 The candidate permitted to rejoin the programme after break shall be governed by the rules and regulations in force at the time of rejoining.

R15.3 The duration specified for passing all the courses for the purpose of classification vide Clause 14 shall be increased by the period of such break of study permitted.

R15.4 The total period for completion of the programme reckoned from, the commencement of the first semester to which the candidate was admitted shall not exceed the maximum period specified in clause 2 irrespective of the period of break of study in order that he / she may be eligible for the award of the degree (vide clause 13).

R15.5 If any student is detained for want of requisite attendance, progress and good conduct, the period spent in that semester shall not be considered as permitted 'Break of Study' and this clause is not applicable for detention cases.

R16.0 DISCIPLINE

Every student is required to observe disciplined and decorous behavior both inside and outside the college and not to indulge in any activity which will tend to bring down the prestige of the University.

R17.0 REVISION OF REGULATIONS AND CURRICULUM

The Academic Council of the University reserves the right to revise or change or amend the regulations, the scheme of examinations, the curriculum and the syllabi from time to time.