



# YOGI VEMANA UNIVERSITY

Vemanapuram, Kadapa - 516005, A.P.

## ACADEMIC REGULATIONS FOR TWO YEAR (4-SEMESTER) DEGREE OF MASTER OF SCIENCE (M.Sc.) COURSES

(To come into effect from the academic year 2018-19)

### I. Eligibility:

A candidate seeking admission into the following 2-Year (4-Semester) Post-graduate Courses should have passed the qualifying degree examination of this university or an examination recognized by this university as equivalent thereto as mentioned against that courses in col.3 below. Besides this, the candidate has to qualify in the prescribed entrance examination of that year.

Code (1)	Name of the M.Sc. Degree Course (2)	Qualifying degree for admission (3)
01	Botany (Plant Science)	B.Sc., with Botany and Chemistry
02	Bio-Chemistry	B.Sc., with at least one Biology subject and Chemistry as a compulsory subject
03	Chemistry Organic /Analytical	B.Sc., with Chemistry
04	Geology	B.Sc., with Geology/ any B.Sc.,
05	Mathematics	B.A./B.Sc., Degree with Mathematics
06	Microbiology	B.Sc. With at least one Biology subject and Chemistry as a compulsory subject
07	Physics	B.Sc. Degree with Physics and Mathematics
08	Biotechnology	B.Sc. with at least one Biology subject and Chemistry as a compulsory subject
09	Computer Science	B.Sc. Computer Science / B.C.A/B.Sc. Mathematics as combination or any degree equivalent to B.Sc., Computers
10	Zoology (Animal Science)	B.Sc. with and Chemistry
11	Environmental Science	B.Sc., with Chemistry/any Biology subject
12	Genetics and Genomics	B.Sc. with at least one Biology subject and Chemistry as a compulsory subject
13	Material Science and Nano Technology	B.Sc. with Physics and Mathematics
14	Psychology	Any graduate
15	Statistics/Applied Statistics	B.A. or B.Sc. with Statistics combination
16	Food Technology	B.Sc. Home Science or B.Sc. with any of the following Biochemistry/Chemistry/Microbiology/Aquaculture/Fishery Science/Zoology/Botany/Biotechnology/Horticulture/ B.Sc. (A.G) / B.Sc. or B.Tech. with Food Technology / Diary Technology

## II. Course of study:

- a. The Course of study extends over a period of two academic years, each year consisting of two semesters ie., four semesters for each course. The duration of each semester is ninety working days of six hours a day including the days allotted for tests, examinations and Preparation holidays. The inter-semester break shall be one week.
- b. The course of study for M.Sc. degree shall be according to the scheme of examination, syllabus, list of texts and reference books for the study are prescribed by the University from time to time.

## III. Scheme of Examination:

- a. The course shall comprise first and second semesters during the first academic year and third and fourth semesters in the second academic year. For first to third semesters there will be four theory papers and tow practicals with Viva-Voice /field report/records as the case may be. In fourth semester there will be four theory papers tow practicals or one practical and one project report. The maximum marks for each theory paper shall be 100 marks. Out of 100 marks in each theory paper there will be 25 marks for internal assessment and 75 marks for semester and university examination. The total marks for four semesters put together shall be at least 2400 including practical/Vivo-voice/filed report/records/project report. The maximum marks for each practical paper/project report shall be 100 marks.
- b. However in case M.Sc. Mathematics/M.Sc. applied mathematics there shall be five theory papers with maximum marks of 120 for each paper (30 marks for internal assessment and 90 marks for semester end university examination). In case of M.Sc. statistics and Applied Statistics there shall be five theory papers and one practical/project report as the case may be in a semester.
- c. In case of computer Science and Information Science courses, first to third semesters there shall be five theory papers and two practical papers with maximum marks of 100 in each paper. Out of 100 marks in each theory paper there will be 25 marks for internal assessment ad 75 marks for semester end university examination. In forth semester is exclusively meant for project work with seminar. Seminar carries 50 marks and 2 credits, will be evaluated by internal examiners. Project report caries 50 marks and 2 credits, will be evaluated by internal examiners. Project report carries 50 marks for internal assessment, 150 marks for dissertation, 50 marks for Viva Voce and 10 credits shall be evaluated by the both internal and external Examiners.
- d. The detailed scheme of examination for each branch of study shall be laid down by the university on the recommendations of the concerned board studies/Ad-hoc committees of the concerned separately subject to these common regulations.
- e. **Project work / Viva-voice** is prescribed for some of the courses as case may be.
  1. Where project work and comprehensive Viva Voce examination are compulsory, the candidate should submit dissertation for the project work and give presentation on separate topic as suggested by the supervisor.

2. The project work of fourth semester shall be submitted in the form of dissertation to the Controller of Examination's office before the commencement of the semester end examination.
- f. He/She secures 4 Credits for Each Theory & Practical papers / Project report of all semesters end examinations.

#### **IV. Attendance:**

- a) A candidate shall get 75% of attendance in each semester and also in each paper / Practical / Seminar, etc.,
- b) Condonation of shortage of attendance for theory classes alone may be recommended by the Head of the Department and Head of the Institution on medical grounds of other genuine reasons provided the student puts up 62.5% of attendance in all the theory papers. In the case of Practicals, the student shall complete 75% of the listed experiments by attending extra classes on Sundays / preparatory holidays / vacation period, etc, by paying extra tuition fee, if necessary.
- c) A Student who could not satisfy these requirements as given in IV (a) and IV (b), as the case may be, shall have to repeat the semester and put in again minimum required attendance as stipulated in clauses IV (a) IV (b) by paying additional tuition fee. The attendance put in by the candidate cannot be combined for computation.

#### **V. Promotion and Detention:**

A student shall be eligible for promotion to the next semester, if he/she satisfied the minimum attendance requirements as stipulated in regulation IV (a) and IV (b) in the semester and registered for the semester end university examinations. Otherwise the candidate will be detained. A candidate has to complete the course including improvement within four years from the date of admission with internal assessment marks obtained during the course of study.

#### **VI. Evaluation:**

The setting of question paper shall be always by external examiners. All the semester end theory and practical examinations conducted by the University shall be valued by both external and internal examiners. The Project/dissertation submitted by the student at the end of 4<sup>th</sup> semester shall be valued by both external and internal examiners. A Viva-Voce examination shall be conducted by both the external examiner and internal examiners. Two internal Tests of one hour duration shall be conducted for 25/30 marks by the Department on the date communicated by the Principal of the College. Best of the two shall be considered for the award of marks. A student who is absent for any test shall be deemed to

have secured 0 in that test and no makeup test shall be conducted. One University end examination with three hours duration shall be conducted for 75/90 marks.

## **VII. Qualification for a pass:**

A candidate appearing for the first time for any semester-end University examination shall register for the whole examination. A candidate shall be declared to have passed the whole examination, if

- a) He/she secures a minimum of 35% marks in each theory paper/practical semester-end university examinations and an aggregate of 40% marks in each semester (i.e., semester end university end examinations and internal assessment marks put together). In case of project work the candidate should get 35% marks in dissertation and an aggregate of 40% marks both in dissertation and Viva-Voce put together. Paper wise pass is allowed.
- b) If the aggregate of 40% is secured, the candidate shall be declared to have exempted in such theory paper in which he secured a minimum of 35% of the marks in semester end university examination and internal assessment marks put together.
- c) A candidate who could not secure the aggregate of 40% in any semester (ie., semester end university examinations and internal assessment marks including seminar/record/viva voce etc., put together) shall be declared to have exempted in such theory paper in which he secured a minimum of 40% of the marks in semester end University examinations and internal assessment marks put together.
- d) The failed candidates (Supplemental) should secure not less 35% marks in each Theory papers / Practicals semester end university examinations and 40% marks for passing the paper (s) (i.e., semester end university examinations and internal assessment marks put together) in which they have failed.
- e) A candidate who could not get pass marks in dissertation of the project work shall revise and resubmit the dissertation along with th3e next regular batch of students.
- f) A candidate who failed and wishes to appear for the whole of the theory examination of any semester shall be allowed only after canceling the results of the previous examination of that semester.
- g) Supplementary candidates shall register a fresh and reappear of the paper in which he/she has failed in the examination; he/she shall be declared to have passed the examination in such paper(s) when the candidate satisfactory fulfills the requirements of the regulation VII (a), (b), (c) and (d).
- h) There shall be no separate supplementary examinations. The failed candidates shall register and reappear for the examination along with the next batch of regular candidates.
- i) The marks obtained by the candidates in Internal assessment/Records/ Seminars/Dissertation shall continue for improvement/failed candidates.

### VIII. Classification:

The marks obtained in each paper by the candidate shall be giving the letter grade and grade points on the 10 point Scale as given below:

Marks Range	Letter Grade	Grade Points	Qualitative Meaning
90-100	O	10	Outstanding
80-89	A+	9	Excellent
70-79	A	8	Very Good
60-69	B+	7	Good
50-59	B	6	Above Average
45-49	C	5	Average
40-44	P	4	Pass
<40	F	0	Fail
0	AB	0	Absent

The classification of student sin on 10 point scale based on Semester Grade Point Average (SGPA) at the end of each semester and Cumulative Grade Point Average (CGPA) at the end of the course as explained below.

Semester Grant Point Average (SGPA)  $S_i = \sum (C_i * G_i) / \sum C_i$

Where  $C_i$  is the number of credits of the  $i^{th}$  Course and  $G_i$  is the grade point scored by the student in the  $i^{th}$  course.

Cumulative Grade Point Average (CGPA) =  $\sum (C_i * S_i) / \sum C_i$

Where  $S_i$  is the SGPA of the  $i^{th}$  semester and  $C_i$  is the total number of credits in that semester. The SGPA and CGPA shall be rounded off to 2 decimal points and reported in the transcript.

Aggregate Percentage = CGPA X 10

### IX. Choice Based Credit Systems (CBCS):

Two noncore papers shall be introduced in III and IV semesters as Non-core I and Non-core II respectively as a part of CBCS. These papers shall be taught by other departments as per the choice of the student. The candidate shall pass in these non-core papers on par with other papers but the marks shall not be included in awarding the Grade point. These papers shall be evaluated by the single examiner either internal or external.

### X. Award of Rank:

There shall be no award of rank at the time of publication of results. However the names of gold medal awardees, Fellowship programmes, etc shall be announced at the time of

convocation only in their subject in the university on the basis of total marks obtained in all the semester put together and who passed all the semester examinations in one attempt. Supplementary / improvement candidates are not eligible for the award of rank.

#### **XI. Improvement:**

The candidate shall be permitted to improve their marks in one or more theory papers of any semester as per the regulations and syllabi in force. If the candidate improves, necessary corrections shall be made in the marks statement and provisional/Degree certificate. If the candidate fails to improve marks/grade, the original marks are unaltered. They shall not be eligible for the award of rank. There shall be no provision for improving the marks obtained in internal assessment / practicals / records/ dissertation/seminars.

#### **XII. Conditions of Award of Degree:**

A candidate for the award of M.Sc Degree course shall be required:-

- a) To have undergone the course of study in the university/affiliated Colleges over a period of two academic years consisting of four semester and
- b) To have passed the examinations as prescribed above.

#### **XIII. Transitory Provision**

- a) The course of study for Post graduate degree shall cover normally a period of two academic years comprising of four semesters.
- b) No candidate shall be permitted to obtain degree earlier than four semesters and shall not be permitted to appear to any semester of examination after four years.

#### **XIV. No award of any other Degree.**

#### **XV. The University shall have the right to amend or modify any of the above regulations, whenever necessary**



# YOGI VEMANA UNIVERSITY

Vemanapuram, Kadapa - 516005, A.P.

## ACADEMIC REGULATIONS FOR FIVE YEAR (10-SEMESTER) DEGREE OF MASTER OF SCIENCE (M.Sc.) COURSES

(To come into effect from the academic year 2018-19)

### I. Eligibility:

A candidate seeking admission into the following 5- Year (10-Semester) Post-Graduate Courses should have passed Intermediate Examination conducted by the Board of Intermediate Education (BIE) or 10+2 Examination conducted by Central Board of Secondary Examination (CBSE) or any other equivalent Examination recognized by BIE or CBSE with 50% marks in aggregate with the optional subjects mentioned in column 3 against the course mentioned in column 2. In case of SC / ST candidates, minimum pass in the qualifying examination is sufficient.

Sl.No. (1)	Name of the 5 – Year ( 10 – Semester) M.Sc., Course (2)	Optional Subjects in Intermediate Course (3)
1	M.Sc. Earth Sciences	Mathematics/Biology, Physics and Chemistry
2	M.Sc. Biotechnology and Bioinformatics	Mathematics/Biology, Physics and Chemistry

### II. Course of Study:

The Course of study extends over a period of five academic years, each year consisting of two semesters. The duration of each semester is ninety working days of six hours a day including the days allotted for tests, examinations and preparation holidays. The inter-semester break shall be one week.

The Syllabi, list of texts and reference books for the study are prescribed by the University from time to time.

### III. Scheme of Examination:

The number of theory papers, Laboratory practicals, seminars and maximum marks for each theory, Practical and seminar are given semester wise in the table below: Each student shall submit a separate research project / dissertation under a project supervisor in tenth semester. Every student shall present a seminar at the end of fourth, fifth, sixth, Seventh and eight

semesters. The maximum marks for each theory paper shall be 100. For physical Sciences Paper I, II and III separate answer books may be given for physics and chemistry, the semester end University examination shall carry marks for external and internal tests as indicated in the table given below.

Semester	Number of Papers	Marks in the Semester End Examinations for each paper	Internal Tests for Each Paper	Total Marks for all the Papers
I	Theor:4 Physical Sciences I Practicals : 3	75 70 100	25 30 -	100x4=400 100x1=100 100x3=300
II	Theory: 4 Physical Sciences II Practicals : 3	75 70 100	25 30 -	100x4=400 100x1=100 100x3=300
III	Theory: 4 Physical Sciences II Practicals : 3	75 70 100	25 30 -	100x4=400 100x1=100 100x3=300
IV	Theory: 5 Practicals : 3 Seminar	75 80 ...	25 -- 60	100x5=500 80x3=240 60
V	Theory: 5 Practicals : 3 Seminar	75 80 ...	25 -- 60	100x5=500 80x3=240 60
VI	Theory: 5 Practicals : 3 Seminar	75 80 ...	25 -- 60	100x5=500 80x3=240 60
VII	Theory: 5 Practicals : 3 Seminar	75 80 ...	25 -- 60	100x5=500 80x3=240 60
VIII	Theory: 5 Non-Core I Practicals : 3 Seminar	75 75 80 ---	25 25 --- 60	100x5=500 100x1=100 80x3=240 60
IX	Theory: 5 Non-Core II Practicals : 1 Project Design Seminar	75 75 80 --- ---	25 25 -- 80 40	100x5=500 100x1=100 80x1=80 80x1=80 40
X	Research Methodology Project (Individual) Viva Voce	100 150 50	--- 100 ---	100x1=100 250 50
<b>Total</b>				<b>7500 200*</b>

\* These marks will not be considered for awarding the Grade Point but the candidate should pass since these are part of CBCS



#### **IV. Attendance:**

- a) A candidate shall get 75% of attendance in each semester and also in each paper/ Practical/Seminar, etc.
- b) Condonation of shortage of attendance for theory classes alone may be recommended by the Head of the Department and Head of the Institution on medical grounds of other genuine reasons provided the student puts up 62.5% of attendance in all the theory papers. In the case of practicals, the student shall complete 75% of the listed experiments by attending extra classes on Sundays / preparatory holidays/ vacation period, etc., by paying extra tuition fee, if necessary.
- c) A student who could not satisfy these requirements as given in IV (a) and IV (b) , as the case may be, shall have to repeat the semester and put in again minimum required attendance as stipulated in clauses IV (a) IV (b) by paying additional tuition fee. The attendances put in by the candidate cannot be combined for computation.

#### **V. Promotion and Detention:**

A student shall be eligible for promotion to the next semester, if he/she satisfied the minimum attendance requirements as stipulated in regulation IV (a) and IV (b) in the semester and registered for the semester end university examinations. Otherwise the candidate will be detained.

#### **VI. Evaluation:**

The setting of question paper shall be always by external examiners. All the semester end theory and practical examinations conducted by the University shall be valued by both external and internal examiners. The Project/dissertation submitted by the student at the end of 10<sup>th</sup> semester shall be valued by both external and internal examiners. A Viva-Voce examination shall be conducted by both the external examiner and internal examiners. However project design marks at the end of IX Semester will be assessed by the Head of the Department, one senior faculty in the department and concerned project supervisor. Two Internal Tests shall be conducted by the Department on the date communicated by the Principal of the College. Best of the two tests shall be considered for the award of marks.

#### **VII. Qualification for a Pass:**

A candidate appearing for the first time for any semester-end University examination shall register for the whole examination. A candidate shall be declared to have passed the whole examination, if

- a) He/she secures a minimum of 35% marks in each theory paper in semester-end university examinations and obtains an aggregate of 40% marks in each theory paper in both semester end university examinations and internal tests put together.
- b) He/she secures 40% marks in each practical examination conducted at the semester-end examination.
- c) He/she secures 50% marks in seminar or project work, if he/she fails to secure 50% marks he/she should appear for the same in the next academic year.

- d) A candidate shall be declared to have failed in the examination in such paper(s) when he/she could not get 40% marks in aggregate when semester-end university examination and internal marks are put together.
- e) A candidate shall be declared to have been exempted from appearing once again in such theory paper(s) and / Practical(s) in which he/she has secured aggregate of 40% marks in semester – end university examinations and internal assessment marks put together. (Failed candidates need appear only in those papers/Practical in which they have failed.)
- f) Supplementary candidates shall register afresh and reappear for the paper in which he/she has failed in the examination; he/she shall be declared to have passed the examination in such paper(s) when the candidate satisfactory fulfills the requirements of the regulation VII (a), (b) and (c).
- g) There shall be no separate supplementary examinations. The failed candidates shall register and reappear for the examination along with regular candidates.
- h) A candidate who could not get 50% marks in dissertation shall revise and resubmit the dissertation along with the next regular batch of students.
- i) A candidate who failed and wishes to appear for the whole of the theory examination of any semester shall be allowed only after canceling the results of the previous examination of that semester.
- j) The marks obtained by the candidates in internal assessment/Records/seminars/dissertation shall continue for improvement/failed candidates.

### VIII Classification:

The marks obtained in each paper by the candidate shall be giving the letter grade and grade points on the 10 point Scale as given below:

Marks Range	Letter Grade	Grade Points	Qualitative Meaning
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Cumulative Grade Point Average (CGPA) =  $\sum (C_i * S_i) / \sum C_i$

Where  $S_i$  is the SGPA of the  $i^{\text{th}}$  semester and  $C_i$  is the total number of credits in that semester. The SGPA and CGPA shall be rounded off to 2 decimal points and reported in the transcript.

$$\text{Aggregate Percentage} = \text{CGPA} \times 10$$

## **IX Choice Based Credit Systems (CBCS)**

Two noncore papers shall be introduced in VIII and IX semesters as Non Core I and Non-Core II respectively as a part of CBCS. These papers shall be taught by other departments as per the choice of the student. The candidate shall pass in these non-core papers on par with other papers but the marks shall not be included in awarding the Grade point. These papers shall be evaluated by the single examiner either internal or external.

## **X Award of Rank:**

There shall be no award of rank at the time of publication of results. However the names of gold medal awardees, Fellowship programmes, etc shall be announced at the time of convocation only in their subject in the university on the basis of total marks obtained in all the semester put together and who passed all the semester examinations in one attempt. Supplementary / improvement candidates are not eligible for the award of rank.

## **XI Improvement:**

The candidate shall be permitted to improve their marks in one or more papers of any semester as per the regulations and syllabi in force after the completion of the course only. If the candidate improves, necessary corrections shall be made in the marks statement and provisional/Degree certificate. If the candidate fails to improve marks, the original marks are unaltered. They shall not be eligible for the award of rank. There shall be no provision for improving the marks obtained in internal assessment / practical's / records/ dissertation/seminars.

## **XII. Conditions of Award of Degree:**

A candidate for the award of M.Sc. Degree in the integrated Course shall be required:

- a) To have undergone the course of study in the university College over a period of five academic years consisting of ten semester and
- b) To have passed the examinations as prescribed above.
- c) No candidate shall be permitted to obtain degree earlier than ten semesters and shall not be permitted to appear to any semester of examination after ten years.

## **XIII. No award of any other Degree**