

RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR
FACULTY OF HOME SCIENCE
DIRECTION NO. 12 OF 2013

**DIRECTION RELATING TO THE EXAMINATION LEADING TO THE DEGREE OF MASTER OF
COSMETIC TECHNOLOGY (CREDIT BASED SEMESTER PATTERN)
IN THE FACULTY OF HOME SCIENCE**

(Issued under Section 14(8) of the Maharashtra Universities Act, 1994)

WHEREAS, Maharashtra Universities Act, 1994 (hereinafter referred to as Act) has come into force from 22nd July, 1994 and was amended from time to time,

AND

WHEREAS, the University Grants Commission, New Delhi vide letter No.D.O.No.F-2/2008/(XI Plan), dated 31 January 2008 regarding new initiatives under the XI Plan – Academic reforms in the University has suggested for improving quality of higher education and to initiate the academic reform at the earliest,

AND

WHEREAS, the Board of Studies in all the Science subjects in their meeting held during 18th Feb 2012 prepared the syllabi and scheme of examination for the Master of Cosmetic Technology, Post- graduate course and recommended for starting of the credit based semester pattern in Faculty of Home -Science from the academic session 2012-13,

AND

WHEREAS, the Dean, Faculty of Home Science has consented to the syllabi and the scheme of examination for the award of Master of Cosmetic Technology degree.

AND

Whereas, ordinance making is a time consuming process, therefore, I, Dr. V.S. Sapkal, Vice Chancellor Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur in exercise of powers vested under Section 14(8) of the Act do hereby issue the following Direction.

1. This Direction may be called "Direction relating to examinations leading to the Degree of Master of Cosmetic Technology in the Faculty of Home Science (Credit Based Semester Pattern).

2. The direction shall come into force from the date of its issue by Hon'ble Vice Chancellor and shall remain in force till the relevant ordinance comes into being in accordance with the provisions of the Act.
3. The duration of the Master of Cosmetic Technology course shall be of Two academic years consisting of Four semester with University examinations at the end of each semester namely:
 - a) Master of Cosmetic Technology Semester I Exam.
 - b) Master of Cosmetic Technology Semester II Exam.
 - c) Master of Cosmetic Technology Semester III Exam.
 - d) Master of Cosmetic Technology Semester IV Exam.
4. The examinations shall be held at such places and dates which are notified by the University.

ELIGIBILITY TO THE COURSE:

5. Subject to their compliance with the provisions of this direction and of other ordinances in force from time to time, the following applicant candidates shall be eligible for the admission to Master of Cosmetic Technology and examinations their of

“Candidates shall have passed Bachelor of Cosmetic Technology examination or equivalent from Rashtrasant Tukadoji Maharaj Nagpur University or any other statutory University of India or abroad, recognized by the UGC or any other concerned apex regulatory authority/ body of India.”

6. a) **Master of Cosmetic Technology Semester I Examination**

Students who have fulfilled the eligibility criteria as mentioned in Section 5 and have been admitted to this course in Semester I.

- b) The ATKT rules for admission for the Master of Cosmetic Technology Course (Theory and Practical as separate passing head) shall be as given in the following table-

Admission to Semester	Candidate should have passed in all the subjects of the following examination of R.T.M. Nagpur University	Candidate should have passed at least half of the passing heads of the following examinations
Semester I	As provided in the para 6 of the direction	-----
Semester II	-----	-----
Semester III	-----	Semester I and II taken together
Semester IV	-----	Semester I, II and III taken together

- 7) Without prejudice to other provisions of Ordinance no. 6 relating to the examination in general, provisions of Para 5, 8, 9, 10, 26, 31 and 32 of the said ordinance shall apply to every student admitted to this course.
- 8) The fees for the tuition, examination, laboratory and other fees shall be as prescribed by the university from time to time.

- 9) (a) The scope of the subjects shall be as prescribed in the syllabus.
- (b) The medium of instruction and examination shall be English.
- 10) The number of papers and maximum marks assigned to each paper and minimum marks/grade, an examinee must obtain in order to pass the examination shall be as prescribed in appendix A1, A2, A3 and A4 appended with this direction.
- 11) The examinee at each of the examination shall have option of not being declared successful at the examination in case he/she does not secure a minimum of grade equivalent to 55% marks at the examination. This option will have to be exercised every time the application is submitted to any of the examinations. Once this option is exercised, the option shall be binding on the examinee and it shall not be evoked in under any circumstances.
- 12) The classification of the examinee successful at the semester and examination at the end of fourth semester examination shall be as per the rules and regulations of credit based semester pattern as prescribed in appendix, appended with this direction.
- 13) The provisions of direction no. 3 of 2007 for the award of grace marks for passing an examination, securing higher grade in subject(s) as updated from time to time shall apply to the examination under this direction.
- 14) The names of the successful examinee passing the examination as a whole in the minimum prescribed period and obtaining prescribed number of places securing the grades equivalent to first and second division shall be arranged in order of merit as provided in ordinance 6 relating to examination in general.
- 15) No candidate shall be admitted to an examination under this direction, if he/she has already passed the same examination of this university or of any other university.
- 16) Examinee successful at the final examination shall on payment of the prescribed fees, will be entitled for the award of the degree in the prescribed form signed by the Vice-Chancellor.
- 17) This course is based on credit based semester pattern and therefore, it will be also regulated by guidelines and regulation given in appendices which are part of this direction.
- 18) With the issuance of this Direction, the Direction No. 20 of 2012 shall stand repealed.

Nagpur :
Dated :

Sd/-
Dr. V.S. Sapkal
Vice-Chancellor

APPENDIX – A1**Examination leading to Master of Cosmetic Technology****Semester - I**

S.No.	Subject (Theory)	Sessional	Main	Total	Passing Marks	No of hrs/ week	No. of Credits	Time of Exam. (hrs)
MCT 1-T1	Formulation & Development –I (FD I)	20	80	100	50	4	4	3
MCT 1-T2	Quality Assurance Technique – I (QAT I)	20	80	100	50	4	4	3
MCT 1-T3	Advanced Cosmetic Technology- I (ACT I)	20	80	100	50	4	4	3

S.No.	Subject (Practical)	Sessional	Main	Total	Passing Marks	No of hrs/ week	No. of Credits	Time of Exam. (hrs)
MCT 1-P1	Formulation & Development –I (FD I)	20	80	100	50	8	4	5
MCT 1-P2	Quality Assurance Technique-I (QAT I)	20	80	100	50	8	4	5
MCT 1-P3	Seminar / assignments / Journal club	50	-	50	25	4	2	-

APPENDIX – A2**Examination leading to Master of Cosmetic Technology****Semester - II**

S.No.	Subject (Theory)	Sessional	Main	Total	Passing Marks	No of hrs /week	No. of Credits	Time of Exam (hrs)
MCT 2-T1	Formulation & Development –II (FD II)	20	80	100	50	4	4	3
MCT 2-T2	Advanced Cosmetic Technology- II (ACT II)	20	80	100	50	4	4	3
MCT 2-T3	Natural Products (NP)	20	80	100	50	4	4	3

S.No.	Subject (Practical)	Sessional	Main	Total	Passing Marks	No of hrs / week	No. of Credits	Time of Exam. (hrs)
MCT 2-P1	Formulation & Development –II (FD II)	20	80	80	50	8	4	5
MCT 2-P2	Advanced Cosmetic Technology- II (ACT II)	20	80	80	50	8	4	5
MCT 2-P3	Seminar / assignments / Journal club	50	-	50	25	4	2	-

APPENDIX – A3**Examination leading to Master of Cosmetic Technology****Semester - III**

S.No.	Subject (Theory)	Sessional	Main	Total	Passing Marks	No of hrs /week	No. of Credits	Time of Exam. (hrs)
MCT 3- T1	Research Methodology (RM)	20	80	100	50	4	4	3
MCT 3- T2	Quality Assurance Technique - II (QAT II)	20	80	100	50	4	4	3
MCT 3- T3	Advanced Cosmetic Technology- III (ACT III)	20	80	100	50	4	4	3

S.No.	Subject (Practical)	Sessional	Main	Total	Passing Marks	No of hrs /week	No. of Credits	Time of Exam. (hrs)
MCT 3- P1	Research Methodology (RM)	20	80	100	50	8	4	3
MCT 3- P2	Quality Assurance Technique – II (QAT II)	20	80	100	50	8	4	3
MCT 3- P3	Seminar / assignments / Journal club	50	-	50	25	4	2	-

APPENDIX – A4**Examination leading to Master of Cosmetic Technology****Semester - IV**

S.No.	Subject (Theory)	Sessional	Main	Total	Passing Marks	No of hrs/ week	No. of Credits	Time of Exam. (hrs)
MCT 4- T1	Production Management in Cosmetics (PMC)	20	80	100	50	4	4	3
MCT 4- T2	Marketing Management (MM)	20	80	100	50	4	4	3

S.No.	Subject (Practical)	Sessional	Main	Total	Passing Marks	No of hrs/ week	No. of Credits	Time of Exam. (hrs)
MCT 4-P 1	Project & viva-voce	50	250	300	150	24	12	2
MCT 4-P 2	Seminar / Review	50	-	50	25	4	2	-

Note:-

1. In each semester student will have to give seminar on any topic relevant to the syllabus encompassing the recent trends and development in that field. The topic of the seminar will be decided at the beginning of each semester in consultation with the supervising teachers. The student has to deliver the seminar which will be followed by discussion. The seminar will be open to all the teachers of the department, invitees, and students.
2. The student will have to carry out the research based project work in the fourth semester in the department or depending on the availability of placement; he/she will be attached to any of the national/regional/private research institute/organization. The student in consultation with supervisor will finalize the topic of the project work at the beginning of the third semester.

Project Work Scheme
Guidelines for the Students, Supervisors and Examiners

Every student is required to carry out **Experimental / Field** based **Project Work** (semester IV) on a related research topic of the subject /course. It must be an original work and must indicate some degree of experimental work. On the basis of this work, student must submit the Project Report (typed and properly bound) in two copies at least one month prior to commencement of the final Practical/lab Examination of Semester IV. The project report shall comprise of Introduction, Material and Methods, Results, Discussion, Summary, Conclusions and References along with the declaration by the candidate that the work is original and not submitted to any University or Organization for award of the degree and certificate by the supervisor and forwarded through Head/Course-coordinator/Director of the Department/Centre or the Principal of the College.

The supervisors for the Experimental project work shall be from the following.

A person selected by the duly constituted selection committee in the relevant subject and approved by the University, exclusively for P. G. Course.

OR

A person selected by the duly constituted selection committee of the University approved by the University and appointed as a full time regular teacher with Masters Degree at U. G. Level in the relevant subject and having at least 10 years teaching experience.

OR

A person selected by the duly constituted selection committee of the University approved by the University and appointed as a full time regular teacher with Ph. D. Degree at U. G. Level in the relevant subject and having at least 5 years teaching experience.

OR

A person from Industry or recognised laboratory with Masters Degree in relevant field with 10 years experience at the rank not below manager or with Ph. D. Degree in the relevant field with 5 years experience at the rank not below manager can work as co supervisor along with supervisor.

Appendix-A5

General Rules and Regulations

A) Pattern of Question Paper

1. The Syllabus of every subject is divided into four units
2. Question paper should contain at least one question per unit and one question covering all units.
3. All questions should have equal weightage.
4. Each paper will be of 3 hours duration.

B) Absorption scheme:

- 1) While switching over to semester pattern, the failure students of annual pattern will be given three chances to clear the examination.
- 2) The candidates who have cleared first year of annual pattern examination (old course) in the subject shall get admission to third semester directly by matchable scheme as under. However, candidates who are 'Allowed To Keep Term' will not be eligible for admission to third semester unless they clear all the papers and practicals of first year annual pattern examination.
The candidate of annual pattern (old course) who is directly admitted to semester III,
 - i) Shall have to appear for paper MCT2 –T3 Natural products (NP) of semester II and should be declared successful.
 - ii) Shall be exempted from appearing for MCT 4 – T – 1 Production Management in Cosmetics (PMC) and MCT 4 – T2 Marketing Management (MM) of final semester.
- 3) The unsuccessful students of old course shall be permitted to appear for higher class as per the new course examination of the post graduate programme (semester, credit and grade system) provided that they submit a certificate from the Head of Department / Principal of the College stating that they have satisfactorily undergone a course of study in all the subjects of the new course as per the absorption scheme of a particular post graduate programme.
- 4) This absorption scheme will be effective till the introduction of new syllabus with the new absorption scheme.

C) Grade Point Average (GPA) and Cumulative Grade Point Average (CGPA)

- 1) On clearing a paper, based on cumulative score (out of 100) in that paper, a student will be given grade point average (GPA) (Maximum of 10 and minimum of 5) for that paper on the following basis.

Score (out of 100)	Grade	Grade Point Average (out of 10)
90 to 100	O: Outstanding	10
80 to 89	A: Very Good	09
70 to 79	B: Good	08
60 to 69	C: Average	07
55 to 59	D: Satisfactory	06
50 to 54	E: Pass	05
Below 50	F: Fail	00 or fail

- 2) On clearing all the papers in a semester, a student will be allotted a **Semester Grade Point Average (SGPA)** for that particular semester. As the pattern given above does not have differential weights for papers, the SGPA of a student for a particular semester will be the average of the GPA's for all the papers.
- 3) A student will be allotted a **Cumulative Grade Point Average (CGPA)** after clearing all the four semesters. Again as there is no differential weight system for semesters, the CGPA of a student will be the average of the four SGPA's of that student.

D)

CGPA	Equivalent class / division
9.00 to 10.00	First class (out standing)
8.00 to 8.99	First class (excellent)
7.00 to 7.99	First class with distinction
6 to 6.99	First class
5 to 5.99	Higher Second class
Below 5.00	Fail

The CGPA can be converted to the usual / conventional divisions in the following way.

- A student failed to score minimum 50% marks in each head of passing and in aggregate shall be given F grade.
- Student with F grade in a course would be granted credit for that course but not the grade for that semester.
- Grade points earned in each paper shall be calculated as – Grade points obtained (vide above table) x Credits for the paper.

- d. The formula for GPA will be based on Average. The final GPA will not be printed unless a student passes courses equivalent to minimum 100 Credits.
- 1) While declaring the result, the existing relevant ordinances are applicable. For verification and revaluation existing rules will be applicable.
 - 2) The candidate may take all the examinations as per the provisions of ATKT simultaneously but his/her result of final semester shall not be declared unless he/she is declared successful at lower examinations.
 - 3) If an examinee failed to pass the post graduate programme within five successive years (for four semesters degree) from the date of his / her first admission to particular post graduate programme he/ she shall be declared as "Not Fit for the Course (NFC)" and he/ she will not be allowed to appear further for any previous examination of the course.
 - 4) The computation of Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA) of an examinee shall be given below:
 - a. The marks will be given in all examinations which will include the college assessment marks, and the total marks for each Theory/ Practical shall be converted into Grades as per above table. SGPA shall be calculated based on Grade Points corresponding to Grade as given in above table and the credits allotted to respective Theory / Practical shown in the scheme for respective semester.
 - b. SGPA shall be computed for every semester and CGPA shall be computed only in IV semester (for four semester degree). The CGPA of IV shall be calculated based on SGPA of all four semesters as per following computation:

$$\text{SGPA} = \frac{C1 \times G1 + C2 \times G2 + \dots + Cn \times Gn}{C1 + C2 + \dots + Cn}$$

Where C1 = Credit of individual Theory / Practical

G1 = Corresponding Grade Point obtained in the Respective Theory/ Practical

$$\text{CGPA} = \frac{(\text{SGPA}) \text{ I} \times (\text{Cr}) \text{ I} + (\text{SGPA}) \text{ II} \times (\text{Cr}) \text{ II} + (\text{SGPA}) \text{ III} \times (\text{Cr}) \text{ III} + (\text{SGPA}) \text{ IV} \times (\text{Cr}) \text{ IV}}{(\text{Cr}) \text{ I} + (\text{Cr}) \text{ II} + (\text{Cr}) \text{ III} + (\text{Cr}) \text{ IV}}$$

Where, (SGPA) I = SGPA of I Semester; (Cr) I = Total Credits for I Semester;

(SGPA) II = SGPA of II Semester; (Cr) II = Total Credits for II Semester;

(SGPA) III = SGPA of III Semester; (Cr) III = Total Credits for III Semester;

(SGPA) IV = SGPA of IV Semester; (Cr) IV = Total Credits for IV Semester