

Continuous Internal Evaluation (CIE) University Guidelines

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**RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR****FACULTY OF SCIENCE****DIRECTION NO. 9 OF 2016****DIRECTION GOVERNING THE EXAMINATION LEADING TO THE
DEGREE OF BACHELOR OF SCIENCE****(THREE YEARS DEGREE COURSE – SEMESTER PATTERN)****(Issued under Section 14(8) of the Maharashtra Universities Act, 1994)**

Whereas, Maharashtra Universities Act No. XXXV has come into force with effect from 22nd July, 1994 and further amended by Maharashtra Universities (Amendment and Continuance) Act, 2003, hereinafter referred as 'Act' has come into force from 8th August 2003.

AND

Whereas, the University Grants Commission, New Delhi vide letter No.D.O.No.F 1-2/2008/(XI Plan), dated.31 Jan.2008 regarding new initiatives under the XIth Plan – Academic Reforms in the University has suggested for improving quality of higher education and to initiate the Academic Reforms at the earliest.

AND

Whereas, the Board of Studies in all the Science subjects in their meeting held during 21/04/2012 prepared the syllabi and scheme of examination for the B. Sc. degree course and recommended for starting of the semester pattern in Faculty of Science from the academic session 2013-14,

AND

Whereas, the recommendations of various Board of Studies in the faculty of Science regarding Upgradation and Revision of various syllabi and introduction and implementation of Semester Pattern Examination System at under graduate level was considered by the faculty of Science in its meeting held on 19/09/2012 and constituted a Committee to decide the policy decision regarding semester pattern examination system.

AND

Whereas, the Dean, Faculty of Science has consented to the syllabi and the scheme of examination for the award of B.Sc. degree in Faculty of Science,

AND

Whereas, the faculty of Science in its meeting held on 19/09/2012 vide item No. 35, has considered, accepted and recommended to Academic Council, the policy decision regarding introduction of Semester pattern and the draft syllabi of B.Sc. Semester-I & VI along with draft direction and other details.

AND

Whereas, the Emergent Faculty of Science in its meeting held on 27.1.2015, has considered, accepted and recommended to Academic Council, for B.Sc. Semester-I to VI along with draft direction and other details.

AND

Whereas, the Vice Chancellor of Rashtrasant Tukadoji Maharaj Nagpur University, in exercise of powers conferred upon me under sub-section (7) of section 14 of the Maharashtra Universities Act., 1994, on behalf of the Academic Council & Management Council for B.Sc. along with draft direction and other details.

AND

Whereas, the new scheme of examination as per semester pattern is to be implemented from the Academic Session 2013-14 for B. Sc. First Year & onwards which is to be regulated by this direction and as such there is no direction issued and in existence and framing of an Ordinance for the above examination is a time consuming process.

AND

Whereas, the admission of students in the semester pattern at B.Sc. First Year are to be made in the Academic Session 2013-14.

Now, therefore, I, Dr. V.S. Deshpande, Vice Chancellor of Rashtrasant Tukadoji Maharaj Nagpur University, in exercise of powers conferred upon me under sub-section (8) of section 14 of the Maharashtra Universities Act., 1994, do hereby direct as under:

1. This Direction may be called, "**Examination leading to the Degree of Bachelor of Science (Three Year Degree Course-Semester Pattern)**".
2. This direction shall come into force with effect from the date of its issuance.
3. (i) The following shall be the examination leading to the Degree of Bachelor of Science in the faculty of Science namely:
 - a. The B.Sc. Semester-I Examination;
 - b. The B.Sc. Semester-II Examination;
 - c. The B.Sc. Semester-III Examination;
 - d. The B.Sc. Semester-IV Examination;
 - e. The B.Sc. Semester-V Examination; and
 - f. The B.Sc. Semester-VI Examination.
- (ii) The period of Academic Session shall be such, as may be notified by the University.
4. The theory examination of Semester-I, II, III, IV, V and VI shall be conducted by the University and shall be held separately at the end of each semester at such places and dates as may be decided by the University and shall be held as per the schedule given in Table 1.

Table 1			
Sr. No	Name of the Examination	Main Examination	Supplementary Examination
1	Semester I, III and V	Winter	Summer
2	Semester II, IV, and VI	Summer	Winter

5. Subject to compliance with the provisions of this Direction and of other Ordinances in-force from time to time, the following persons shall be eligible for admission to the examinations:-

- (a) A student who has prosecuted a regular course of study for not less than one academic year prior to that examination;
- (b) A teacher in an Educational Institution eligible under the provisions of Ordinance No. 18, and
- (c) A women candidate who has not pursued a regular course of study.

Provided that in the case of the persons eligible under clauses (b) and (c), an applicant to the examination shall have attended a full course of laboratory instructions in a College in the subject in which laboratory work is prescribed. The candidate shall submit a Certificate to that effect signed by the Principal of the college.

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

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

The candidate should have passed the 12th Standard Examination of the Maharashtra State Board of Secondary and Higher Secondary Education with English and other Modern Indian Languages together with any three Science subjects comprised in the faculty of Science or an examination recognized as equivalent thereto in such subjects and with such standards of attainments as may be prescribed.

Provided that students passing the 12th Standard Examination of the Maharashtra State Board of Secondary and Higher Secondary Education and offering Vocational Stream with one Language only and with any one of the following groups of subjects shall be eligible for admission to the B. Sc. Semester I course and in onward semesters with the corresponding group of subjects as shown in Table 2:-

Table 2		
S. No.	Groups of subjects of 12 th Standard students	Corresponding Next Higher Examination groups of Science subjects at B. Sc. Semester I (Along with Compulsory English and any one of the languages from Marathi, Hindi, Urdu, Gujarati, Telugu, Bengali, Sanskrit, Supplementary English, French, German, Russian, Persian, Arabic, Pali and Prakrit or Latin in B. Sc. Semester I & II only).
1	1. English or Any Modern Language 2. Physics, Chemistry, Mathematics, Biology	Combination of any 3 science subjects as shown in table 4 from among Physics, Chemistry, Mathematics, Statistics, Geology, Electronics, Industrial Chemistry, Computer Science, Information Technology, Botany, Zoology, Biochemistry, Microbiology, Biotechnology, Environmental Science, Sericulture, Geo-exploration and Drilling Technology, Computer Maintenance, Electronic Equipment Maintenance, Industrial Fish & Fisheries
2	1. English or Any Modern Language 2. Vocational Course of 200 Marks 3. Physics, Chemistry, Mathematics	Combination of any 3 science subjects as shown in table 4 from among Physics, Chemistry, Mathematics, Statistics, Computer Science, Information Technology, Geology, Electronics, Industrial Chemistry, Geo-exploration and Drilling Technology, Computer Maintenance, Electronic Equipment Maintenance.
3	1. English or Any Modern Language 2. Vocational Course of 200 Marks 3. Physics, Chemistry, Biology	Combination of any 3 science subjects as shown in table 4 from among Chemistry, Botany, Zoology, Biochemistry, Microbiology, Biotechnology, Geology, Computer Science, Information Technology, Industrial Chemistry, Environmental Science, Sericulture, Geo-exploration and Drilling Technology, Computer Maintenance, Electronic Equipment Maintenance, Industrial Fish & Fisheries
4	MCVC Group	

a) Agriculture Group Or Fisheries Group	Combination of any 3 science subjects as shown in table 4 from among Botany, Zoology, Microbiology, Bio-Technology, Bio-Chemistry, Geology, Chemistry, Environmental Science, Sericulture, Industrial Fish & Fisheries
b) Para-medical group	Combination of any 3 science subjects as shown in table 4 from among Botany, Zoology, Microbiology, Biochemistry, Bio-Technology, Chemistry, Environmental Science, Sericulture, Industrial Fish & Fisheries.
c) Engineering and Technology or Engineering & Technology repairs & maintenance group at M.C.V.C.	Combination of any 3 science subjects as shown in table 4 from among Physics, Chemistry, Electronics, Computer Science, Information Technology, Mathematics, Statistics, Industrial Chemistry, Computer Maintenance, Electronics Equipment Maintenance
d) Engineering and Technology Group Electronics Technology Trade	Combination of any 3 science subjects as shown in table 4 from among Physics, Computer Science, Information Technology, Statistics, Chemistry, Mathematics, Industrial Chemistry, Electronics, Information Technology, Computer Maintenance, Electronic Equipment Maintenance.
NOTE: For finalization of admission under Sr. No. 4 a) and b), Chemistry at Standard XII level will be compulsory AND For admission under Sr. No. 4 c) and d), Mathematics at Standard XII level will be compulsory.	

B) In case of the B. Sc. Semester II, III, IV, V and VI Examinations:- The student should have attended a minimum of 90 days in the respective semester and passed the previous semester examination as per the rules of ATKT as mentioned in Para 7 of this direction.

7) The ATKT rules for admission for the B.Sc. Course (**Theory and Practical as separate passing head and on calculation fraction, if any, shall be ignored**) shall be as given in the following Table- 3.

Table 3		
Admission to Semester	The student should have attended the Session / term satisfactorily	Candidates should have passed at least one half of the passing heads of the following examinations (Theory and Practical as separate passing head and on calculation fraction, if any, shall be ignored)
1	2	3
B. Sc. Semester I	Semester I and admitted As per para 6 of this Direction	-----
B. Sc. Semester II	Semester II	-----
B. Sc. Semester III	Semester III	One half of the total head prescribed for Sem I and Sem II examination
B. Sc. Semester IV	Semester IV	-----
B. Sc. Semester V	Semester V	a) Passed Sem I & II examination and b) One half of the total head prescribed for Sem III & IV examination
B. Sc. Semester VI	Semester VI	-----

8. a) Without prejudice to the other provisions of Ordinance No. 6 relating to the Examinations in General, the provisions of Paragraph 5, 8, 10 and 31 of the said ordinance shall apply to every candidate.

b) The students admitted to this Degree course shall be governed by the general Ordinances / Directions of the University which are applicable to all the regular or ex-students. These Ordinances includes complete as well as relevant provision of Ordinance No. 1, 2, 6, 7-A, 9, 10, 19, 109, Ordinance No. 30 of 2006, (amended Ordinance No. 4 of 2006), Direction 9 of 2008, Direction 5 of 2004 wherever applicable accordingly AND Direction / Ordinance of ATKT as well as reassessment / provisional admission as issued from time to time.

9. The fee for each Semester examination shall be as prescribed by the University from time to time.

10. Every examinee for the B. Sc. Semester I & II examination shall be examined in:

- i) Compulsory English
- ii) Any one of the following Languages
Marathi, Hindi, Urdu, Supplementary English, Gujarati, Bengali, Telugu, Sanskrit, French, German, Russian, Persian, Arabic, Pali and Prakrit or Latin
- iii) Subjects from any one of the following groups, as indicated in Table 4 given below:

Table 4	
Chemistry, Physics, Mathematics	Biotechnology, Microbiology, Chemistry
Chemistry, Statistics, Mathematics	Mathematics, Statistic, Electronics
Chemistry, Zoology, Botany	Electronics, Computer science, Mathematics.
Chemistry, Zoology, Geology	Mathematics, Physics, Geology
Chemistry, Physics, Geology	Mathematics, Chemistry, Computer science
Chemistry, Botany, Geology	Biotechnology, Zoology, Chemistry
Chemistry, Mathematics, Geology	Biotechnology, Botany, Chemistry
Physics, Mathematics, Statistics	Mathematics, Physics, Information Technology
Chemistry, Biochemistry, Environmental Science	Geology, Mathematics, Computer Science
Chemistry, Environmental Science, Geology	Sericulture, Chemistry, Zoology
Chemistry, Zoology, Microbiology	Sericulture, Chemistry, Botany
Chemistry, Botany, Microbiology,	Chemistry, Geology, Geo-exploration and Drilling Technology
Chemistry, Biochemistry, Botany	Physics, Geology, Geo-exploration and Drilling Technology
Chemistry, Biochemistry, Zoology	Mathematics, Geology, Geo-exploration and Drilling Technology
Chemistry, Biochemistry, Microbiology	Statistic, Geology, Geo-exploration and Drilling Technology
Physics, Mathematics, Electronics	Physics, Mathematics, Geo-exploration and Drilling Technology
Chemistry, Physics, Electronics	Chemistry, Physics, Geo-exploration and Drilling Technology
Chemistry, Zoology, Environmental Science	Mathematics, Physics, Computer Maintenance
Chemistry, Botany, Environmental Science	Mathematics, Electronics, Computer Maintenance
Chemistry, Geology, Environmental Science	Mathematics, Chemistry, Computer Maintenance
Chemistry, Microbiology, Environmental Science	Mathematics, Statistics, Computer Science
Chemistry, Statistics, Computer Science	Chemistry, Biochemistry, Geology
Physics, Mathematics, Electronic Equipment Maintenance	Mathematics, Environmental Science, Computer Maintenance
Chemistry, Zoology, Industrial Fish & Fisheries	Biotechnology, Botany, Biochemistry
Physics, Mathematics, Computer Science	Biotechnology, Zoology, Biochemistry
Physics, Statistics, Computer Science	Biotechnology, Microbiology, Biochemistry
Chemistry, Industrial Chemistry, Mathematics	Sericulture, Zoology, Botany
Biotechnology, Chemistry, Biochemistry	Chemistry, Industrial Chemistry, Botany
Physics, Chemistry, Environmental Science	

11. Every examinee for the B.Sc. Sem-III, IV, V and VI Examination shall be examined in each of the three Science subjects in which he/she has been examined at the B.Sc. Sem-I & II Examination.

12. An examinee who has been successful at the B.Sc. Sem-I & II Examination, may offer an additional subject mentioned in Table 4, not offered by him / her at the B.Sc. Sem-I & II Examination, on his prosecuting a regular course of study for one academic year in that subject. Such an examinee shall not be permitted to take any other examination simultaneously with the examination in the additional subject. The fee for the additional subject shall be as prescribed by the University from time to time.

13. The Scope of the subjects of all semesters of B.Sc. examination shall be as indicated in the respective syllabi in force from time to time. The medium of instruction and examination shall be English, except for the courses in Languages.

14. The maximum marks allotted to each subject and the minimum marks which an examinee must obtain in order to pass the examination shall be as per the Appendix A appended to this Direction.

15. The practical examination of all semesters shall be conducted at the end of each semester as indicated in Table 5 given below.

Table 5			
S. No	Name of the Examination	Main Examination	Supplementary Examination
1	Semester I, III and V	Winter	Summer
2	Semester II, IV, and VI	Summer	Winter

16. The scheme of awarding internal marks shall be as per Appendix- B appended with this Direction.

17. Successful examinees at the B.Sc. Sem-VI Examination who obtained not less than 60% marks (aggregate of Sem-I, II, III, IV, V & VI Examinations taken together, excluding Languages) shall be placed in First Division, those obtaining less than 60% but not less than 45% in Second Division, and all other successful examinees in the Third Division.

Explanation :

Division at the B.Sc. Examination shall be declared on the basis of the marks obtained only in the Science Subjects at the Sem-I, II, III, IV, V & VI Examinations taken together.

18. There shall be no classification of successful examinees at the Sem-I to Sem-V Examinations.

19. An examinee successful in the minimum period prescribed for the examination, obtaining not less than 75% of the maximum marks prescribed in the subject shall be declared to have passed the examination with Distinction in that subject.

Explanation :

- (1) Distinction shall be awarded only in the Science Subjects.
- (2) Distinction at the B.Sc. Examination shall be awarded on the basis of the marks obtained at the B.Sc. Semester - I, II, III, IV, V and Semester VI Examination taken together.
- (3) Distinction shall not be awarded to an examinee availing of the provision of the exemptions and compartments at any of the examination.

20. Provisions of Ordinance No 7-A relating to the Condonation of Deficiency of Marks for passing an examination and compartment as amended up-to-date vide ordinance No. 45 of 1983 shall apply to the examinations under this Direction.

21. (A) The students who have passed B.Sc. Semester VI examination of this University or any other statutory University shall be eligible to seek admission for studying practical of any other optional subjects offered for B.Sc. Degree for simultaneous study of complete three year course for that subject in one year and to appear simultaneously for all parts of examination leading to the degree of Bachelor of Science (additional) in that subject, subject to the following condition. An examinee shall have attended full course of laboratory instructions in a College in the subject in which laboratory work is prescribed. An examinee shall submit a certificate to that effect signed by the Principal of the College.

(B) On securing not less than minimum marks prescribed for the subject / subjects shall be issued a certificate of having passed the examination in the additional subject / subjects as the case may be.

(C) The application for admission to the examination under (A) above shall be submitted to the Registrar not less than three months before the date of commencement of the examination.

22. As soon as possible after the examinations, the Board of Examinations shall publish a list of successful examinees at the B.Sc Sem-I & II; B.Sc. Sem-III & IV and B.Sc. Sem-V & VI Examinations. Such list at the B.Sc. Semester VI Examination shall be arranged in three Divisions. The names of the examinees passing the examination as a whole in the minimum prescribed period and obtaining the prescribed number of places in First or Second Division shall be arranged in Order of Merit as provided in the Examinations in General Ordinance No. 6. While preparing the Merit list for the B. Sc. Examination the marks secured by the candidate in the compulsory languages at their Semester I & II Examination will be taken into consideration in addition to the marks scored by them in their optional subjects.

23. No Person shall be admitted to B.Sc Sem-I, II, III, IV, V and VI Examinations, if he/she has already passed the corresponding or an equivalent examination of any other Statutory University.

24. Successful examinees at the B. Sc. Sem I, II, III, IV, and V Examinations shall be entitled to receive a **Certificate** signed by the **Registrar** and successful examinees at the end of B. Sc. Sem VI examination shall, on payment of prescribed fees, receive a Degree in the prescribed format, signed by the Vice-Chancellor.

25. 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.

26. Absorption / Matching Scheme:

- a. While switching over to semester pattern, the failure students of annual pattern will be given total five (three + two) chances to clear each examination.
After availing five chances for clearing the examination as per annual pattern, no examination would be held for annual pattern candidates.
 - b. The candidates who have cleared all the subject heads of first year annual pattern examination shall get admission to third semester directly. However, candidates who are allowed to keep term will not be eligible for admission to third semester unless they clear all the papers / practicals / subject heads of first year annual pattern examination.
 - c. The candidates who have cleared all the subject heads of second year annual pattern examination shall get admission to fifth semester directly. However, candidates who are allowed to keep term will not be eligible for admission to fifth semester unless they clear all the papers / practicals / subject heads of second year annual pattern examination.
 - d. For other Statutory University candidates with similar yearly pattern program, point No. 26 'b' and 'c' shall be applicable.
 - e. The scheme of awarding internal marks / practical marks / theory marks / marklist (if any and if required) shall be as per guidelines given in Appendix – C.
 - f. For other Statutory University candidates with Semester Pattern Bachelor of Science Program – the candidate shall be admitted to the next higher semester provided that Candidate shall have cleared previous semester and R. T. M. Nagpur University Committee constituted from time to time for the purpose shall scrutinize and clear the case on the basis of subject and syllabus contents of his / her previous semester examination of the other Statutory University.
 - g. **Those students who fail to clear the examination within the available chances (Three + Two) would be bound by absorption / matching scheme as per Appendix – C.**
27. With the issuance of the Direction, the Direction No.2 of 2015 shall stand repealed.

Nagpur
Date : 2/5/2016

Sd/-
Dr. S. P. Kane
Vice-Chancellor

Appendix – A
Teaching & Examination Scheme
Bachelor of Science
Three Year (SIX SEMESTER) DEGREE COURSE

B. Sc. (Semester I and II)

S. No.	Subject	Teaching scheme			Examination scheme								
					Theory					Practical			Total Marks (Th, Pr, IA)
		Th + Tu (Periods)	Pr (Periods)	Total Periods	Duration Hrs	Max Marks Th paper	Max Marks IA	Total	Min Passing Marks	Duration Hrs	Max marks practical	Min passing marks	
1	Compulsory English	4+1	-	4+1	3	60	15	75	30	-	-	-	75
2	Second Language	3	-	3	3	60	15	75	30	-	-	-	75
3	Science subjects excluding Maths (Paper I)	3+ @	-	6+ @	3	50	10	120	48	-	-	-	150
4	Science subjects excluding Maths (Paper II)	3+ @	-		3	50	10			-	-	-	
5	Science subjects excluding Maths (Practical)	-	6		6	-	-	-	-	-	6-8*	30	
6	Mathematics (Paper I)	4+1	-	8+2	3	60	15	150	60	-	-	-	150
7	Mathematics (Paper II)	4+1	-		3	60	15			-	-	-	
Note:													
1. Th = Theory; Pr = Practical; Tu = Tutorial; IA = Internal Assessment; @ = Tutorials wherever applicable; * = If required, for two days.													
2. Minimum marks for passing will be 40% of the total marks allotted to that paper / practical.													
3. Candidate has to pass theory papers and practical separately													
Point no. 6 & 7 in the above table is applicable only to students offering Mathematics as one of the subjects.													
Grand Total of Semester I & II: 450 + 150 each semester = TOTAL – 600 Marks per semester													

Teaching & Examination Scheme
Bachelor of Science
Three Year (SIX SEMESTER) DEGREE COURSE

B. Sc. (Semester III; IV, V and VI)

S. No.	Subject	Teaching scheme			Examination scheme								
					Theory					Practical			Total Marks (Th, Pr, IA)
		Th + Tu (Periods)	Pr (Periods)	Total Periods	Duration Hrs	Max Marks Th paper	Max Marks IA	Total	Min Passing Marks	Duration Hrs	Max marks practical	Min passing marks	
1	Science subjects excluding Maths (Paper I)	3+ @	-	6+ @	3	50	10	120	48	-	-	-	150
2	Science subjects excluding Maths (Paper II)	3+ @	-		3	50	10			-	-	-	
3	Science subjects excluding Maths (Practical)	-	6	6	-	-	-	-	-	6-8*	30	12	
4	Mathematics (Paper I)	4+1	-	8+2	3	60	15	150	60	-	-	-	150
5	Mathematics (Paper II)	4+1	-		3	60	15			-	-	-	
Note:													
1. Th = Theory; Pr = Practical; Tu = Tutorial; IA = Internal Assessment; @ = Tutorials wherever applicable; * = If required, for two days.													
2. Minimum marks for passing will be 40% of the total marks allotted to that paper / practical.													
3. Candidate has to pass theory papers and practical separately													
Point no. 4 & 5 in the above table is applicable only to students offering Mathematics as one of the subjects.													
Grand Total of Semester III, IV, V & VI: 450 each semester = TOTAL - 450 Marks per semester													

Appendix - B:**Guidelines for Internal Assessment, Theory paper pattern and Practical**

1. Each semester shall comprise of minimum 90 teaching days.
2. Every subject (Except Languages and Mathematics) in each semester will comprise
 - a. Two theory papers – 50 Marks each
 - b. One internal assessment based on the two theory papers for 10 Marks each. Total 20 Marks.
 - c. One practical / laboratory work – Total 30 marks
3. For Mathematics
 - a. Two theory papers – 60 marks each
 - b. One internal assessment based on the two theory papers for 15 marks each. Total 30 marks
4. In addition to the above, Semester I and II will have
 - a. One compulsory English paper of 60 marks with 15 marks internal assessment, Total 75 marks.
 - b. One second language paper (Marathi, Hindi, Urdu, Supplementary English, Gujarati, Bengali, Telugu, Sanskrit, French, German, Russian, Persian, Arabic, Pali and Prakrit or Latin) of 60 Marks with 15 marks internal assessment, Total 75 marks.

Internal Assessment:

5. The internal assessment shall be done by the College at least 15 days prior to the final examination of each semester. The Marks shall be sent to the University immediately after the Assessment in the prescribed format.
6. Guidelines for Internal Assessment are appended herewith.
 - a) The internal assessment marks assigned to each theory paper as mentioned in Appendix - A shall be awarded on the basis of assignments like class test, attendance, project assignments, seminar, study tour, industrial visits, visit to educational institutions and research organizations, field work, group discussions or any other innovative practice / activity.
 - b) There shall be one / two assignments (as described above) per Theory paper.
 - c) There shall be no separate / extra allotment of work load to the teacher concerned. He/ She shall conduct the Internal assessment activity during the regular teaching days / periods as a part of regular teaching activity.
 - d) The concerned teacher / department / college shall have to keep the record of all the above activities until six months after the declaration of the results of that semester.
 - e) At the beginning of each semester, every teacher shall inform his / her students unambiguously the method he / she proposes to adopt and the scheme of marking for internal assessment.
 - f) Teacher shall announce the schedule of activity for internal assessment in advance in consultation with HOD / Principal.
 - g) Final submission of internal marks to the University shall be before the commencement of the University Theory Examinations.

Theory Papers:

7. All Theory papers shall be divided into four units.
8. The theory question papers shall be of 3 hours duration and comprise of 5 questions with equal weightage to all units.
9. The pattern of question papers is appended herewith.
 - Each theory paper will be of 50 marks (60 marks for Mathematics and Languages) each.
 - All questions are compulsory and will carry equal marks.
 - Question paper for any theory paper will comprise of five questions of 10 marks (12 marks for Mathematics and Languages) each.
 - Question No. 1 to 4 will be from four units each with an internal choice. The questions can be asked in the form of long answer type for 10 marks (12 Marks for Mathematics and Languages) or two questions / short notes of 5 marks each (6 Marks for Mathematics and Languages) or four questions / short notes of 2½ each (3 Marks for Mathematics and Languages).

- Question No. 5 shall be compulsory with three questions / notes of very short answer type from each of the four units having 1 mark each. The student shall have an option of answering any 10 questions out of the 12 questions. In case of Mathematics and Languages, question 5 shall be compulsory with two questions / notes of very short answer type from each unit having 1½ mark each. The student shall answer all the 8 questions.

Practical:

10. Practical exam shall be of 6 to 8 hours duration for one or two days, depending on subject and number of students.
11. The Practical Record of every student shall carry a certificate as shown below, duly signed by the teacher-in-charge and the Head of the Department.
12. If the student fails to submit his / her certified Practical Record duly signed by the Teacher-In-Charge and the Head of the Department, he / she shall not be allowed to appear for the Practical Examination and no Marks shall be allotted to the student.
13. The certificate template shall be as follows:

CERTIFICATE

Name of the college / institution _____

Name of the Department: _____

This is to certify that this Practical Record contains the bonafide record of the Practical work of Shri / Kumari / Shrimati _____ of _____ Semester _____ during the academic year _____. The candidate has satisfactorily completed the experiments prescribed by Rashtrasant Tukdoji Maharaj Nagpur University for the subject _____

Dated ____ / ____ / _____

Signature of the teacher who taught the examinee

1. _____
2. _____

Head of the Department

Appendix – C:

1. While switching over to semester pattern, the failure students of annual pattern will be given total five (three plus two) chances to clear each examination.
2. Student has to clear the corresponding semesters from the new syllabus if Candidate does not clear Part I, Part II and Part III from the Annual Pattern (Old Course) in total of five (Three + Two) chances given in Annual Pattern Old Course. Example cases are given in table (Point No 11 of the Appendix C).
3. While switching over from Annual Pattern (Old Course) to Semester Pattern Course, the candidate shall submit his original marklist of Annual Pattern (Old Course) to the R. T. M. Nagpur University for issuance of new marklist of Semester Pattern Course.
4. As per requirement and if necessary, while switching over from Annual Pattern (Old Course) to Semester Pattern Course, the University shall issue Semester Pattern Course marklist in proportion of marks obtained in the Annual Pattern (Old Course).
5. As soon as the candidate enters in the Semester Pattern Course from the Annual Pattern (Old Course) as per the given absorption / matching scheme and successfully completes the course in the Semester Pattern Course, the University shall award revised marklist as per the Semester Pattern Course for a particular semester.
6. In case of any difference in minimum passing marks in the Annual Pattern (Old Course) AND in the Semester Pattern Course, the University shall convert marks proportionately for issuance of marklist in the Semester Pattern Course.
7. If the candidate has cleared theory papers in the concerned subject in the Annual Pattern (Old Course) [Part I / II / III] – Candidate shall be awarded marks in theory papers and internals marks proportionately in the Semester Pattern Course [Semester I, II / III, IV / V, VI].
8. If the Candidate has failed in the theory papers of any subject of the Annual Pattern (Old Course), then the candidate has to appear for theory papers in that subject for both the concerned semesters (Ex. Part I – concerned semesters are Semester I & II). Proportionate internal marks shall be awarded on the basis of marks obtained in the theory papers of semester pattern course in that subject.
9. If the candidate has cleared practical head in the concerned subject in the Annual Pattern (Old Course), the candidate shall be awarded proportionate marks in the Semester Pattern Course.
10. If the Candidate has failed in the practical head of any subject of the Annual Pattern (Old Course), then the candidate has to appear for the practical head in that subject for both the concerned semesters (Ex. Part I – concerned semesters are Semester I & II). Marks shall be awarded on the basis of marks obtained in the practical head of semester pattern course in that subject.
11. **Example cases:**

Old course (Annual Pattern)	Semester Pattern Course
If the candidate has cleared all subject heads of part I / part II in the annual pattern (Old Course)	1. The candidate shall be eligible to take admission in semester III / semester V of the semester pattern course.
If the candidate is declared fail in English and zoology (Th / Pract) heads in Part I of the annual pattern after total of five (three + two)	1. Candidate shall appear as an external student for the semester I and II English and Zoology theory papers in the semester pattern. 2. If the candidate has failed in practical head in the annual pattern, the university shall conduct practical examinations for Semester I and II and candidate shall appear for the same as an external candidate to clear practical head in the semester pattern. 3. Once the candidate clears the subjects in the semester pattern, Candidate shall be eligible to take fresh admission to semester III of the semester pattern course. 4. Candidate shall submit his original marklists of annual pattern course to the

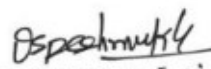
chances in the old pattern.	<p>University for Issuance of mark list of semester pattern course.</p> <p>5. University shall award internal marks in proportion to marks obtained in theory papers.</p> <p>6. University shall award practical marks (if applicable) in proportion to marks obtained in the annual pattern zoology practical if Candidate has passed.</p>
If the candidate is declared fail in English and zoology (Th / Pract) heads in Part II of the annual pattern after total of five (three + two) chances in the old pattern.	<p>1. Candidate shall appear as an external student for the semester III and IV English and Zoology theory papers in the semester pattern.</p> <p>2. If the candidate has failed in practical head, the university shall conduct practical examinations for Semester III and IV and candidate shall appear for the same as an external candidate to clear practical head in the semester pattern.</p> <p>3. Once the candidate clears the subjects in the semester pattern, Candidate shall be eligible to take fresh admission to semester V of the semester pattern course.</p> <p>4. Candidate shall submit his original mark lists of annual pattern course to the University for Issuance of mark list of semester pattern course.</p> <p>5. University shall award internal marks in proportion to marks obtained in theory papers.</p> <p>6. University shall award practical marks (if applicable) in proportion to marks obtained in the annual pattern zoology practical if Candidate has passed</p>
If the candidate is declared fail in English and zoology(Th / Pract) heads in Part III of the annual pattern after total of five (three + two) chances in the old pattern.	<p>1. Candidate shall appear as an external student for the semester V and VI English and Zoology theory papers in the semester pattern.</p> <p>2. If the candidate has failed in practical head, the university shall conduct practical examinations for Semester V and VI and candidate shall appear for the same as an external candidate to clear practical head in the semester pattern.</p> <p>3. Once the candidate clears the subjects in the semester pattern, Candidate shall be eligible to get semester pattern degree from the University.</p> <p>4. Candidate shall submit his original mark lists of annual pattern course to the University for Issuance of mark list of semester pattern course.</p> <p>5. University shall award internal marks in proportion to marks obtained in theory papers.</p> <p>6. University shall award practical marks (if applicable) in proportion to marks obtained in the annual pattern zoology practical if Candidate has passed.</p>
If the candidate is declared fail in Maths and Zoology (Th / Pract) heads in Part I but cleared all the heads of part II of the annual pattern after total of five (three + two) chances in the old pattern.	<p>1. Candidate shall appear as an external student for the semester I and II Maths and Zoology theory papers in the semester pattern.</p> <p>2. If the candidate has failed in practical head, the university shall conduct practical examinations for Semester I and II and candidate shall appear for the same as an external candidate to clear practical head in the semester pattern.</p> <p>3. Once the candidate clears the subjects in the semester pattern, Candidate shall be eligible to take fresh admission to semester V of the semester pattern course.</p> <p>4. Candidate shall submit his original mark lists of annual pattern course to the University for Issuance of mark list of semester pattern course.</p> <p>5. University shall award internal marks in proportion to marks obtained in theory papers.</p> <p>6. University shall award practical marks (if applicable) in proportion to marks obtained in the annual pattern zoology practical if Candidate has passed.</p>
If the candidate is declared fail in Hindi and Zoology (Th / Pract) in Part II but cleared Part I of the annual pattern after total of five (three +	<p>1. Candidate shall appear as an external student for the semester III and IV Hindi and Zoology theory papers in the semester pattern.</p> <p>2. If the candidate has failed in practical head, the university shall conduct practical examinations for Semester III and IV and candidate shall appear for the same as an external candidate to clear practical head in the semester pattern.</p> <p>3. Candidate is also eligible to take fresh admission to semester V of the semester pattern course.</p> <p>4. However, Candidate shall clear semester III and IV Hindi and Zoology theory papers and practicals (if applicable) in the semester pattern before the candidate is</p>

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two) chances in the old pattern.	<p>awarded with degree in semester pattern course.</p> <p>5. Candidate shall submit his original mark lists of annual pattern course to the University for Issuance of mark list of semester pattern course.</p> <p>6. University shall award internal marks in proportion to marks obtained in theory papers.</p> <p>7. University shall award practical marks (if applicable) in proportion to marks obtained in the annual pattern zoology practical if Candidate has passed.</p>
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S.S.E.S.A's
Science College, Nagpur



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Principal
S. S. E. S. Amravati's
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RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR

FACULTY OF SCIENCE

DIRECTION NO. 9 OF 2016

DIRECTION GOVERNING THE EXAMINATION LEADING TO THE
DEGREE OF BACHELOR OF SCIENCE

(THREE YEARS DEGREE COURSE – SEMESTER PATTERN)

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

As per the direction No.9 of 2016 of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur this college has prepared the guideline for the preparation of Internal assessment.

Internal Assessment Guidelines

1. The internal assessment shall be done by the College at least 15 days prior to the final examination of each semester. Converted marks out of 10 shall be sent to the University immediately after the Assessment in the prescribed format.
2. The internal assessment marks assigned to each theory paper will be awarded based on Unit test/class test and students attendance in theory classes for UG Programmes.
3. Two unit test of 20 mark each will be conducted for theory paper.
4. For PG programmes internal assessment is based on Class Test, Internal projects, assignments, seminars, study tour, industrial visits, visit to educational institutions and research organizations, field work, group discussions and innovative practices / activities decided by the respective department.
5. Teacher shall conduct the Internal assessment activity during the regular teaching days / periods as a part of regular teaching activity.
6. The concerned teacher / department shall have to keep the record all the above activities of latest completed year of all the above activities until six months after the declaration of the results of that semester.
7. At the beginning of each semester, every teacher shall inform his / her students unambiguously the method he / she proposes to adopt and the scheme of marking for internal assessment.
8. Teacher shall announce the schedule of activity for internal assessment in advance in consultation with HOD / Principal.
9. For UG Programme Final submission of internal marks out of 10 for each paper shall be sent to the university before the commencement of the University Theory Examinations.

[Signature]
Internal Quality Assurance Cell
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S. S. E. S. A. Science College
Congress Nagar, Nannur



[Signature]
Principal
S. S. E. S. Amravati's
Science College, Nagpur.