

**Post Graduate Teaching Department of Chemistry**  
**An Autonomous Department of**  
**Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur**

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June 16 2023

**Semester I (2023-2024): Autonomous Status**

The guidelines for examination of Semester I (2022-2024) is given below. *These guidelines are subjected to change from time to time as per the instructions of University administration.*

**Scheme of examination under semester pattern Choice Based Credit System (CBCS)  
for M.Sc. Zoology**

**Semester I NEP**

Theory/Practical	Maximum marks		Total	Minimum passing marks
	End Semester Exam marks	Internal marks		
Paper I: Structure and Function of Invertebrates	60	40	100	50
Paper II: Cell Biology and Genetics	60	40	100	50
Paper III: Elective-- MRP,AP,FF, ENTO	60	40	100	50
Paper IV: Research Methodology	60	40	100	50
Practical 1: Structure and Function of Invertebrates and General Physiology	100	50	100	50
Practical 2: Cell Biology, Genetics and Advanced Reproductive Biology	100	50	100	50

**Semester III CBCS**

Theory/Practical	Maximum marks		Total	Minimum passing marks
	End Semester Exam marks	Internal marks		
Paper I: Immunology and Parasitology	60	40	100	50
Paper II: MRP,AP,FF, ENTO	60	40	100	50
Paper III: MRP,AP,FF, ENTO	60	40	100	50
Paper IV: Wild life and Avian Biology	60	40	100	50
Practical 1: Immunology and Parasitology	100	00	100	50
Practical 2: specialization	100	00	100	50

### Internal Assessment Guidelines for Teacher

1. The internal assessment marks shall be awarded by the concerned teacher.
2. The internal assessments shall be completed by the Department 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.
3. The marks for internal assessment will be fixed to 40 maximum for each theory and 50 for practical course. For the purpose of internal assessments, the Department shall conduct minimum two periodic tests per theory and practical course. The distribution of internal marks including seminar activity is as follows:

Internal Marks Distribution					
Activity	Periodic test-I	Periodic test-II	Assignments	Attendance	Activity Based
Marks	05	05	05	05	20

**Note:** Activity based work can further be divided into Field/Industrial/Research Laboratory Visit, Mini Project, Case Study, Seminar on topics beyond the curriculum,

4. Minimum three home assignments (pen & paper) be given for internal evaluation. Activity based assignments can be study tour, industrial visits, visit to educational institutions and research organizations, field work, group discussions or any other innovative practice /activity.
5. There shall be no separate/extra allotment of workload 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.
6. The concerned teacher / Department shall have to keep the record 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 / Department shall inform his / her students unambiguously the method he / she propose 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.
9. Final submission of internal marks to the University shall be before the commencement of the University Theory / Practical examinations.

#### • Guidelines for Students, Supervisors and Examiners

In each semester (Except M. Sc. Mathematics), the student will have to deliver a seminar on any topic relevant to the syllabus/subject encompassing the recent trends (beyond the curriculum) and development in that field/subject. 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. The students should submit the seminar report (in the prescribed format) typed and properly bound in two copies to the Head of the Department. The said report shall be evaluated by the concerned Supervisor/Head of the Department. The marks of the seminar shall be forwarded to the university within due period through Head of the Department. The record of the seminar should be preserved till the declaration of the final result. Similarly, all other activity-based assignments need to be documented and submitted as report for the evaluation. Rubrics be developed for evaluation of activity-based assignments.

The Head, Department of -----

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June 16 2023

**Semester II (2023-2024): Autonomous  
Status**

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**Scheme of examination under semester pattern Choice Based Credit System (CBCS)  
for M.Sc. Zoology**

**Semester II NEP**

Theory/Practical	Maximum marks		Total	Minimum passing marks
	End Semester Exam marks	Internal marks		
Paper I: Structure and Function of Vertebrates	60	40	100	50
Paper II: Advanced Developmental Biology	60	40	100	50
Paper III: Elective-- MRP,AP,FF, ENTO	60	40	100	50
Internship	60	40	100	50
Practical 1: Structure and Function of Vertebrates and Endocrinology	100	50	100	50
Practical 2 Advanced Developmental Biology	100	50	100	50

**Semester IV CBCS**

Theory/Practical	Maximum marks		Total	Minimum passing marks
	End Semester Exam marks	Internal marks		
Paper I: Biotechnology	60	40	100	50
Paper II: MRP,AP,FF, ENTO	60	40	100	50
Paper III: MRP,AP,FF, ENTO	60	40	100	50
Paper IV: Radiation Biology	60	40	100	50
Practical 1: specialization	100	00	100	50
Practical 2: Project work	100	00	100	50

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Marks	05	05	05	05	20

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7. At the beginning of each semester, every teacher / Department shall inform his / her students unambiguously the method he / she propose to adopt and the scheme of marking for internal assessment.
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