

Internal Assessment

The students' academic progress is monitored regularly by adopting the strategy of internal sessional examinations (ISE) & internal continuous assessment (ICA). North Maharashtra University, Jalgaon had laid down the following rules for Internal Sessional Examination (ISE) and Internal Continuous Assessment (ICA).

College conducts four internal sessional examinations each of **30 marks** per semester for all the subjects.

ISE: Internal Sessional Examination

ESE: End Semester Examination [Final University Examination]

ICA: Internal Continuous Assessment (Attendance of subject, practical /tutorial attendance, sessional exam marks, Practical Experiment assessment marks]

Exam pattern of NMU:

- ESE at the end of semester for theory of 80 marks
- ISE of 20 marks sent by each college depend on the performance of internal tests.
- The evaluation of ISE is kept transparent. After conduction of every ISE, subject teacher evaluates the answer books in presence of student and are counseled for their mistakes.
- ICA is a part of the continuous evaluation process, the ICA marks given to every student is based on overall attendance (theory and practical), test performance, practical performance. A sheet containing progressive practical internal assessment record is maintained by the faculties for proper evaluation of term work.
- ESE of particular subject, those having practical examination, is conducted by NMU.

Calculation of ISE Marks

ISE: - Internal Sessional Examination – Total Marks allotted - 20, no minimum passing required.

Total Theory marks: $ESE + ISE = 80 + 20 = 100$.

80 marks Theory exam will be conducted by the university

20 marks will be awarded on the basis of performance of student in Sessional examinations.

Four sessional exams will be conducted in a semester and ISE will be calculated based on best of two out of four sessional exam marks.

Example –

How to calculate ISE of Subject?

Name of Student	Sessional Exam Marks out of 30				Best of 2 (Avg)
	ISE-1 (A)	ISE-2 (B)	ISE-3 (C)	ISE-4 (D)	Out of 20
ABC	15	20	22	10	14
PQR	30	30	30	30	20
XYZ	AB	10	15	20	12

$$\text{Best of 2 (Avg)} = \text{=ROUNDUP}(((\text{MAX}(\text{A:D}) + \text{LARGE}(\text{A:D},2))/2)*20/30,0)$$

Calculation of ICA Marks

A) Calculation of Attendance Marks: (out of 50)

Average of Class attendance (CA) + Practical attendance (PA) + Tutorial attendance (TA)	Attendance Marks
70 and above	50
Less than 70	0

* CA = Class attendance in percentage.

* PA = Practical attendance in percentage, *TA = Tutorial attendance in percentage

Example-

If average attendance student “A” for Theory, practical and tutorial is 75 %, Final attendance Marks = 50 out of 50

B) Calculation of Practical Experiment Marks: (out of 50)

Each Practical Experiment carries 5 marks, subdivided as

- 1) Lab Attendance [2 marks]
 - a) Pre lab work done (if any) [1 marks]
 - b) Records of Lab Notebook [1 marks]
- 2) Observations and Conclusion [2 marks]
- 3) Oral [1 marks]

$$\text{Total Experiment Marks} = \frac{(\text{sum of all experiment marks obtained}) \times 50}{(\text{Total no of experiments conducted}) \times 5}$$

Example-

If total 8 experiments are conducted for Satellite communication subject, and student “A” obtained total 35 marks, then Final Practical Experiment Marks = 35 out of 40

$$\text{Total Experiment Marks} = \frac{(35) \times 50}{(40) \times 5} = 43.75 = 44 \text{ (roundup)}$$

C) Calculation of Sessional Exam Marks:

Total Sessional exams Conducted = 4 (Each exam will carry 30 marks) = Total 120 marks for four Sessional exams.

Criteria for awarding Sessional exam marks (considering 4 exams) for ICA

Obtained sessional marks	Awarded sessional marks (out of 120)
80 to 120	120
70 to 79	100
60 to 69	80
48 to 59	70
Less than 48	As it is (total of obtained marks)

Note: Any student found in Copy Case, for that sessional exam, marks allotted will be “0” (Zero)

Total ICA marks Calculation (for subject having Practical)

	Attendance Marks (A)	Experiment Marks (B)	Sessional Marks (C)	Total (A+B+C)	Marks Out of 25
Out of	50	25	120	195	
Obtained marks					

Example –

	Attendance Marks (A)	Experiment Marks (B)	Sessional Marks (C)	Total (A+B+C)	Marks Out of 25
Out of	50	25	120	195	25
Obtained marks (Student A)	50	22	70	142	18
Obtained marks (Student B)	50	20	120	190	24
Obtained marks (Student C)	50	15	0	65	8

For subject having 25 Marks ICA:

$$\text{(Student A): ICA Marks (out of 25)} = \frac{\text{(sum of all marks obtained)} \times 25}{195} = 17.63 = 19$$

For subject having 50 Marks ICA:

$$\text{(Student A): ICA Marks (out of 50)} = \frac{\text{(sum of all marks obtained)} \times 50}{195} = 37.27 = 38$$

Total ICA marks Calculation (for subject which has no Practical)

	Attendance Marks (A)	Sessional Marks (C)	Total (A +C)	Marks Out of 25
Out of	50	120	170	25
Obtained marks				

Example –

	Attendance Marks (A)	Sessional Marks (C)	Total (A +C)	Marks Out of 25
Out of	50	120	170	25
Obtained marks (Student A)	50	70	120	18
Obtained marks (Student B)	50	100	150	23

For subject having 25 Marks ICA:

$$\text{(Student A): ICA Marks (out of 25)} = \frac{\text{(sum of all marks obtained)} \times 25}{170} = 17.64 = 18$$

For subject having 50 Marks ICA:

$$\text{(Student A): ICA Marks (out of 50)} = \frac{\text{(sum of all marks obtained)} \times 50}{170} = 35.29 = 36$$

Along with the academic subjects, third year engineering students have to undergo Industrial Training/EDP/Special Study in Semester-V, Minor project & Seminar-I in Semester-VI. BE students have to undergo Project-I, Seminar-II & Industrial visit in Semester-VII and Industrial lecture and Project-II in Semester-VIII. University has laid down the guidelines for assessment of the same.