

State Council for Technical Education Kahilipara, Guwahati-781019

New Evaluation Scheme for Polytechnics (Under Comprehensive Reforms Agenda)

The New Evaluation Scheme is a holistic student-centric scheme based on the principles of Continuous & Comprehensive Evaluation (CCE) and Grading System. This advanced, transparent, non-arbitrary and internationally accepted evaluation scheme is expected to encourage classroom participation, competitive spirit among the students, closer interaction between teachers and students, transparency, accountability and increased compliance with AICTE norms. This shall also increase the chances of placement by the recruiting agencies, domestic and foreign companies.

THEORY will comprise TA (10 marks), HA (20 marks) and ESE (70 marks). [TA + HA = SS]

$$\text{Theory (100)} = \text{TA (10)} + \text{HA (20)} + \text{ESE (70)}$$

TA (10 marks) = Teachers Assessment on Attendance, Discipline, Punctuality, Class participation and Class/ Group Discussions

HA (20 marks) = Home Assignments, Poster presentations, Questionnaires and surprise quizzes

Teachers Assessment = 10 marks or 1/3rd of total marks

| Criteria | Maximum marks |
|---|--|
| Attendance | 5 marks or 50% of total marks |
| Class participation, Group Discussions & Discipline | 5 marks or 50% of total marks |
| Total | 10 marks or 1/3rd of total marks |

Home Assignments = 20 marks or 2/3rd of total marks

| Criteria | Maximum marks |
|---|--|
| Home Assignments | 5 marks or 25% of total marks |
| Poster presentations | 3 marks or 15% of total marks |
| Questionnaires, Surprise quizzes and Class Test | 12 marks or 60% of total marks |
| Total | 20 marks or 2/3rd of total marks |

ESE (70 marks) will have two parts:

Part A (25 marks) with Multiple Choice Questions/ Objective Type Questions/ One Word/ One Sentence/ Fill up the gap/ Match the Columns/ True-False type Questions for one hour on a work book/ OMR sheet/separate or same answer sheet

Part B (45 marks) with short answer/ medium length answer/ long answer /numerical type questions for two hours in a separate or same answer sheet



PRACTICAL will comprise Practical Assessment PA (@ internal assessment) and Practical Test (PT) (# external assessment) on a 50:50 basis normally.

$$\text{Practical (50)} = \text{PA (25)} + \text{PT (25)}$$

Practical Assessment (PA) (25/50/100 marks) will be based on the performance of the student in regular practical works in the laboratory and workshop/ practical reports/ project reports/ lab files/ field visit reports/ poster presentations of lab work etc. by continuous internal assessment by the practical teacher.

@ Practical Test (PT) (25/50/100 marks) will be based on final practical exam and viva-voce by external assessment. #

| Criteria | Maximum marks | Maximum marks |
|--|--------------------------------|--------------------------------|
| Practical works/ Practical reports/ Project reports/ Field visit reports | 15 marks or 60% of total marks | 30 marks or 60% of total marks |
| Questionnaires and surprise quizzes | 5 marks or 20% of total marks | 10 marks or 20% of total marks |
| Poster presentations of lab work | 5 marks or 20% of total marks | 10 marks or 20% of total marks |
| Total | 25 marks | 50 marks |

A student has to pass both in theory and practical separately.

Pass Marks 15/50, 30/100, 45/150 or 60/200 for the 1st and 2nd Semester (Year 1)

Pass Marks 17/50, 33/100, 50/150 or 66/200 for the 3rd, 4th, 5th and 6th Semester (Year 2 & 3)

A Sample Mark Sheet

| Sl No | Course Code | Course Name | TA (10) | HA (20) | ESE (70) | Theory (100) (TA+HA+ESE) | PA (@) | PT (#) | Practical (PA+PT) | Total Marks |
|-------|-------------|----------------------------|---------|---------|----------|--------------------------|--------|--------|-------------------|-------------|
| 1 | Hu-101 | Communication in English-I | 7 | 14 | 19 | 40 | - | - | | 40/100 |
| 2 | Sc-102 | Mathematics-I | 5 | 12 | 18 | 35 | - | - | | 35/100 |
| 3 | Sc-103 | Chemistry-I | 8 | 16 | 25 | 49 | 35/50 | 44/50 | 79/100 | 128/200 |
| 4 | Sc-104 | Applied Physics-I | 9 | 12 | 35 | 56 | 24/50 | 45/50 | 69/100 | 125/200 |
| 5 | Me-101 | Engineering Drawing | | | | | 78/100 | 88/100 | 166/200 | 166/200 |
| 6 | W-101 | Basic Workshop Practice-I | | | | | 66/100 | 79/100 | 145/200 | 145/200 |

TA, HA and PA marks shall be collected by the Controller of Examination before commencement of ESE/ PT.

Mark sheet shall not be issued by the office but shall be available to the students on the website for internal use.

Grade Reports (as explained below) shall be available at the end of each Semester results on the website which can be downloaded by the students giving their Roll No and Password. Printed Final Grade Report with seal and sign of SCTE shall be issued to each student at the end of Final Semester or on completion of the Diploma Programme.

The total marks (Theory+ Practical) obtained by a student in a particular course shall determine his Relative Grade in that course and branch in comparison to all students appearing in that examination across all polytechnics of Assam. It shall be computerized as per the following system/ method.



L: Lecture, T: Tutorial, P: Practical

TA= Teachers Assessment

HA= Home Assignments

ESE= End Semester Examination

SS = Sessional

PT= Practical Test & Viva-Voce (at the end of the semester)

PA= Practical Assessment (continuous over the entire semester)

External Assessment

@Internal Assessment

Relative Grading System/ Scheme

Grade Points:

Top 1/8th of the pass students in a course will be awarded A+ grade.
Next 1/8th of the pass students in the course will be awarded A grade.
Next 1/4th of the pass students in the course will be awarded B grade.
Next 1/4th of the pass students in the course will be awarded C grade.
Next 1/4th of the pass students in the course will be awarded D grade.

Grade Points A+=10 points, A=9 points, B=8 points, C=6 points, D=4 points, E= Absent/
Withheld/Awaited (to be replaced later by Re-Test), F= Fail/ Back/Compartmental (to be replaced later
by Re-Test)

Re-test/ Back/ Compartmental students will be awarded the grade by suitably placing him as per above
scheme. Higher of the two marks between original & re-test will be taken into account.

| Grade | Grade Points | Performance | Remarks |
|-------|--------------|---------------------------|---------------------------------|
| A+ | 10 | Outstanding | |
| A | 9 | Excellent | |
| B | 8 | Very Good | |
| C | 6 | Good | |
| D | 4 | Satisfactory | |
| E | - | Absent/ Withheld/ Awaited | To be replaced later by Re-Test |
| F | - | Fail/ Back/ Compartmental | To be replaced later by Re-Test |

SGPA: Semester Grade Point Average

CGPA: Cumulative Grade Point Average

SGPA= Sum of (credit of a course x grade point in that course) in all courses divided by total credit of that semester

CGPA= Sum of (credit of a course x grade point in that course) in all courses divided by total credit till that semester at the end of each semester


Credit of a particular course is calculated on the basis of existing AICTE norms for student contact hours of study put in the form of Lectures, Tutorials and Practical.



A Sample for calculation of SGPA

| Sl No | Course Code | Course Name | Credit | Grades | Grade Points (credit X grade point) |
|-------|-------------|----------------------------|-----------|--------|--|
| 1 | Hu-101 | Communication in English-I | 3 | C | 3x6=18 |
| 2 | Sc-102 | Mathematics-I | 3 | D | 3x4=12 |
| 3 | Sc-103 | Chemistry-I | 4 | B | 4x8=32 |
| 4 | Sc-104 | Applied Physics-I | 4 | A | 4x9=36 |
| 5 | Me-101 | Engineering Drawing | 5 | A+ | 5x10=50 |
| 6 | W-101 | Basic Workshop Practice-I | 5 | B | 5x8=40 |
| | | Total | 24 | | 188 |

SGPA = 188 divide by 24 = 7.83 or say 7.8


Director, Technical Education
Assam

