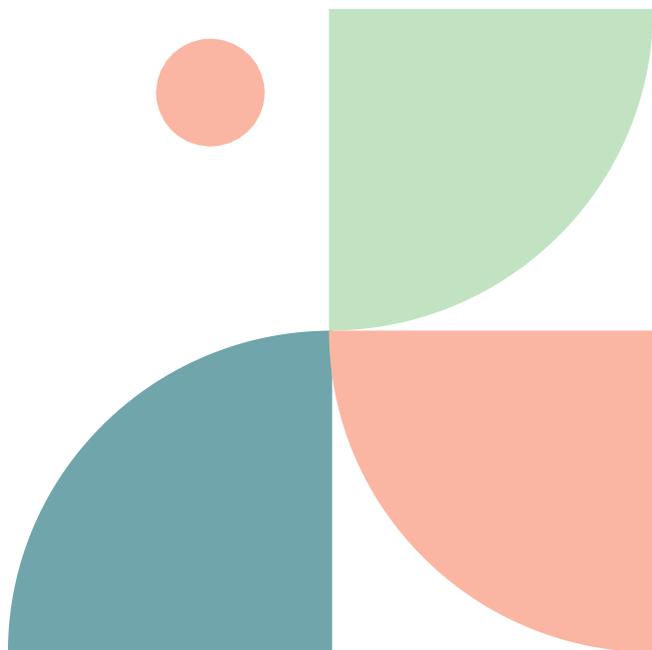


**Government of Meghalaya
Directorate of Educational Research & Training
Nongrimmaw, Laitumkrah, Shillong- 793011**

SYLLABUS

For CLASSES VI- IX for Academic Year 2026

2026



BACKGROUND NOTE

In accordance with Notification No. EDN.168/2010/177 dated 10.12.2025 on School Calendar for Academic Year 2026, the Directorate of Educational Research and Training (DERT) as the Academic Authority has prepared the Syllabus for Classes VI - IX for the Academic Year 2026 for the Subjects English, Khasi (MIL), Garo (MIL), Hindi (MIL), Mathematics, Science and Social Science.

The DERT has comprehensively revised and rationalized the syllabus for the above subjects to ensure educational quality and consistency. For Classes VI to VIII, the annual syllabus has been divided into two parts, with a Mid - Term Examination for the first part and an End - Term Examination for the second part. For Class IX, the Final examination question papers will cover the entire syllabus as outlined in this document.

This Syllabus for Classes VI – IX for the academic year 2026 is to be implemented in all schools of Meghalaya. Schools will also ensure to complete the first part of the syllabus before the Mid-Term examination scheduled to be held tentatively in the 3rd/4th week of June and the second part of the syllabus before the End-Term examination in the 2nd/3rd week of November.

The evaluation structure for each subject will follow the following distribution:

- 20 marks for Internal Assessment
- 80 marks for External Assessment

Both assessment components are to be designed to measure student achievement of competencies and grade-specific learning outcomes in alignment with educational standards.

For all other subjects in the curriculum, schools will continue to conduct their own assessments, including the preparation of question papers.

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**ENGLISH
CLASS VI
Mid – Term
(Internal - 20 marks; External - 80 marks)**

Pieces to be read:

A. Prose (20 marks)

1. Who Did Patrick's Homework? - *Carol Moore*
2. How the Dog Found Himself a New Master!
3. Taro's Reward - *a Japanese story retold*

B. Poetry (20 marks)

1. A House, A Home - *Lorraine M. Halli*
2. The Kite - *Harry Behn*
3. Beauty- *E-Yeh-Shure*

C. Supplementary Reader (10 marks)

1. A Tale of Two Birds
2. The Friendly Mongoose - *a story from The Panchatantra*
3. The Shepherd's Treasure - *an Iranian folktale*

D. Grammar and Composition (30 marks)

1. The Sentence
2. The Noun
3. The Noun and its Number
4. The Noun and its Gender and Case
5. The Pronoun
6. The Personal Pronouns- Number, Gender and Case
7. The Adjective
8. The Adjective – Degree of Comparison
9. The Verb
10. Subject- Verb Agreement

Textbooks as prescribed by MBOSE:

1. **Honeysuckle** - Textbook in English for Class VI
NCERT (Meghalaya Edition)
Published by - M/S Students' Publication, Bara Bazar, Shillong - 793002
2. **A Pact with the Sun** - Supplementary Reader in English for Class VI
NCERT (Meghalaya Edition)
Published by - M/S Meghalaya Book Stall, Mawkhar Point, Iewduh, Shillong
3. **Graded English Grammar & Composition VI**
M/S Avichal Publishing Company,
1002-1003, Faiz Road, Karol Bagh
New Delhi - 11000544

ENGLISH
CLASS VI
End – Term
(Internal - 20 marks; External - 80 marks)

Pieces to be read:

A. Prose (20 marks)

1. An Indian - American Woman in Space: Kalpana Chawla
2. A Different Kind of School - *E.V. Lucas*
3. Fair Play- *Premchand*

B. Poetry (20 marks)

1. Where Do All the Teachers Go? - *Peter Dixon*
2. The Wonderful Words - *Mary O'Neill*
3. Vocation - *Rabindranath Tagore*

C. Supplementary Reader (10 marks)

1. Tansen
2. The Monkey and the Crocodile - *a story from The Panchatantra*
3. A Pact with the Sun - *Zakir Husain*

D. Grammar and Composition (30 marks)

1. Determiners
2. The Tense
3. The Adverb
4. The Preposition
5. The Conjunction
6. Synonyms and Antonyms
7. One word for a group of Words
8. Composition

Textbooks as prescribed by MBOSE:

1. **Honeysuckle** - Textbook in English for Class VI
NCERT (Meghalaya Edition)
Published by - M/S Students' Publication, Bara Bazar, Shillong - 793002
2. **A Pact with the Sun** - Supplementary Reader in English for Class VI
NCERT (Meghalaya Edition)
Published by - M/S Meghalaya Book Stall, Mawkhar Point, Iewduh, Shillong
3. **Graded English Grammar & Composition VI**
M/S Avichal Publishing Company,
1002-1003, Faiz Road, Karol Bagh
New Delhi - 110005

KHASI (MIL)
CLASS VI
Mid – Term
(Internal - 20 marks; External - 80 marks)

Pieces to be Read:

A. Ka Kot Pule Khasi Klas - 6

Prose (25 marks)

1. U Gopinath Bordoloi - *Rev. W. Manners*
2. U Stad Saian ba Khrawnam - *Mr. F.M. Pugh*
3. U Tirot Sing u Syiem jong ka Hima Nongkhlaw – I - *Mr. Norman Singh Syiem*

Poitri (15 marks)

1. U Syiem Bruce bad ka Thapbawa - *Mr. F.M. Pugh*
2. Khynnah Tipsngi - *Mr. H.O. Mawrie*

B. Ka Jingkieng Ksiar (20 marks)

1. Ka Jingshisha
2. Ka Jingsiewspah ia ka por

K. Hints on the Study of Khasi Language (20 marks)

1. The Nouns and Types of Nouns (Proper Noun & Common Noun)
2. Ktien Kynnoh
Kam-jam haduh kitnong-kitni
3. Ka Ktien Khasi - (Ka Kot Pule Khasi Klas - 6) Ki Adverb
Am ryngaiñ haduh Lyngkien sak
4. Ka Ktien Khasi - (Ka Kot Pule Khasi Klas - 6) Ki Adverb (shuh) bad ki Adjective
At lbing haduh Jew sew
5. Ka Ktien Khasi - (Ka Kot Pule Khasi Klas - 6) Ki ktien ba iajan jingmut (Synonyms)
Hap, ur, kyllon haduh suda, thylli

Internal Assessment (20 marks)

Esse (Essay) writing, Letter writing, Creative writing, Reading, Comprehension, Dictation and Translation of Passages.

Textbooks as prescribed by MBOSE:

1. Ka Kot Pule Khasi Klas – 6

Khasi Jaiñtia Presbyterian Assembly, Mission Compound, Shillong-793002

2. Ka Jingkieng Ksiar

Ri Khasi Publication, Mawkhar, Shillong – 793001

3. Hints on the Study of Khasi Language

Ri Khasi Publication, Mawkhar, Shillong – 793001

Reference Book

- Ka Kramar Khasi Kitab IV

(KJWA Research Cell)

Ri Khasi Publications, Shillong

KHASI (MIL)
CLASS VI
End – Term
(Internal - 20 marks; External - 80 marks)

Pieces to be Read:

A. Ka Kot Pule Khasi Klas - 6

Prose (25 marks)

1. U Mahatma Gandhi - *Rai Bahadur D. Ropmay*
2. Ka Sngi - *Rev. T. Rodborne*
3. U Tirot Sing u Syiem jong ka Hima Nongkhlaw – II - *Mr. Norman Singh Syiem*

Poitri (15 marks)

1. U Nongrep - *Mr. M.E.J. Jeengaphs*
2. Ka Jingjaipdeh - *Mr. S.K. Lyngdoh*

B. Ka Jingkieng Ksiar (20 marks)

1. Ka Jingiadei Parabriew
2. Katto Katne ki Sngi Bakyrpang

K. Hints on the Study of Khasi Language (20 marks)

1. The Nouns and Types of Nouns
Collective Noun, Material Noun, Abstract Noun.
2. Ktien Kynnoh
Klong-skaw haduh Kyrwiang – kyrwit.
3. Ka Ktien Khasi - (Ka Kot Pule Khasi Klas - 6) Ki Adverb
Paw krip krip haduh Ur slait
4. Ka Ktien Khasi - (Ka Kot Pule Khasi Klas - 6) Ki Adverb (shuh) bad ki Adjective
Lieh shaid haduh Stang niap niap
5. Ka Ktien Khasi - (Ka Kot Pule Khasi Klas - 6) Ki ktien ba iajan jingmut (Synonyms)
Biej, anna haduh Tep, thep

Internal Assessment (20 marks)

Esse (Essay) writing, Letter writing, Creative writing, Reading, Comprehension, Dictation and Translation of Passages.

Textbooks as prescribed by MBOSE:

1. Ka Kot Pule Khasi Klas – 6

Khasi Jaiñtia Presbyterian Assembly, Mission Compound, Shillong-793002

2. Ka Jingkieng Ksiar

Ri Khasi Publication, Mawkhar, Shillong – 793001

3. Hints on the Study of Khasi Language

Ri Khasi Publication, Mawkhar, Shillong – 793001

Reference Book

- Ka Kramar Khasi Kitab IV

(KJWA Research Cell)

Ri Khasi Publications, Shillong

GARO (MIL)
CLASS VI
Mid – Term
(Internal - 20 marks; External - 80 marks)

Pieces to be read:

A. Prose

(40 marks)

1. A.P.J. Abdul Kalam - *Seming D. Sangma*
2. Dikki Aro Bandi - *L.R. Marak*
3. Nosari Bandari - *L. D. Shira*

B. Poetry

(20 marks)

1. Atchiram A·songtang - *M.K. Marak*
2. Askirang - *K.G. Momin*

C. Grammar and Composition

(10+10 marks)

1. Noun
2. Kattarangni Ma·arang
3. Caseni Ma·arang

Katta ku·jikse, Katta dingtanggrikani, Aganme·apa.

Textbooks as prescribed by MBOSE:

1. Poraiani Ki·tap Class VI

Unimind Publishing Group, Araimile, New Tura

2. A·chik Grammar - E. G. Phillips

3. A·chik Composition & Essay - K. M. Momin

GARO (MIL)
CLASS VI
End – Term
(Internal - 20 marks; External - 80 marks)

Pieces to be read:

- A. Prose** (40 marks)
1. Jaktangon Bil - *K.M. Momin*
 2. Nonoimung Chenggari - *Dhoronsing K. Sangma*
 3. Daud Aro Goliath - *L.M.Holbrook*, Sastroni Kattarang
- B. Poetry** (20 marks)
1. Miktoksirang - *Clearson K. Sangma*
 2. Ka·saa - *K.M. Momin*
- C. Grammar and Composition** (10 marks)
1. Adjective
 2. Moodni Ma·arang
 3. Verbni Ma·arang
- D. Comprehension** (10 marks)
1. Simple Essay
 2. Application writing, katta tong dakani

Textbooks as prescribed by MBOSE:

1. Poraiani Ki·tap Class VI

Unimind Publishing Group, Araimile, New Tura

2. A·chik Grammar - E. G. Phillips

3. A·chik Composition & Essay - K. M. Momin

HINDI (MIL)
CLASS VI
Mid – Term
(Internal - 20 marks; External - 80 marks)

Pieces to be read:

A. Prose

(30 marks)

1. Dhanvarshan - *Hahjari Prasad Duwedi*
2. Manabta ke pujari - Rajandra Babu - *Ankit Kumar Srivastav*
3. Sawalamban - *Dr. Puranchand Tandan*
4. Gandhiji ka patra – putra ke naam – *M. K. Gandhi*

B. Poetry

(20 marks)

1. Saraswati Vandana - *Suraykanth Tripathi Nirala*
2. Sarita ka jal - *Gopalsing Nepali*

C. Grammar

(20 marks)

1. Bhasha evom vyakaran
2. Hindi ke varn
3. Vartani ke Niyam
4. Shabdh ke Bhed.
5. Sangya ke Bhed

D. Composition

(10 marks)

1. Patra Lekhan (letter writing)
2. Nibandh lekhan (essay writing)

Textbooks as prescribed by MBOSE:

1. (i) Hindi Reader VI: Pallav Pathmala

(ii) Hindi Workbook VI: Pallav Athyas

M/s Neeta Prakashan, A-4, Ring Road, South Extension-1, New Delhi-110049.

2. Together with Hindi VI.

M/s Rachna Sagar Pvt. Ltd., 4583/15, Daryagunj, Delhi.

3. (i) Learn Hindi - Learn Khasi (Dictionary)

(ii) Learn Hindi - Learn Garo (Dictionary)

M/s Gewali Publication, Upper Mawprem, Shilllong -2.

HINDI (MIL)
CLASS VI
End – Term
(Internal - 20 marks; External - 80 marks)

Pieces to be read:

A. Prose

(30 marks)

1. Tote ki siksha - *Rabindra Nath Tagore*
2. Pustak ki Aatma Katha - *Dr. Puranchand Tandan*
3. Hamara Rakt – *Poonam Saksena*
4. Idgaha - *Premchand*

B. Poetry

(20 marks)

1. Kalam Aaj unki Jai bol - *Ram Dhari Singh Dinkar*
2. Phool aur kanta – *Ayodhya Singh Upadhya Hariaudh*
3. Hum honge kamyab – *Samuhgaan*

C. Grammar

(20 marks)

1. Ling
2. Vachan
3. Kriya mein parivartan
4. Ashudh vakya ke shudh roop
5. Shabdh - Gyan

D. Composition

(10 marks)

1. Patra Lekhan (Letter writing)
 2. Nibandh lekhan (Essay writing)
- Or
- Kahani lekhan (Story writing)

Textbooks as prescribed by MBOSE:

1. (i) Hindi Reader VI: Pallav Pathmala

(ii) Hindi Workbook VI: Pallav Athyas

M/s Neeta Prakashan, A-4, Ring Road, South Extension-1, New Delhi-110049.

2. Together with Hindi VI.

M/s Rachna Sagar Pvt. Ltd., 4583/15, Daryagunj, Delhi.

3. (i) Learn Hindi - Learn Khasi (Dictionary)

(ii) Learn Hindi - Learn Garo (Dictionary)

M/s Gewali Publication, Upper Mawprem, Shillong -2.

MATHEMATICS
CLASS VI
Mid – Term
(Internal - 20 marks; External - 80 marks)

Weightage and Distribution of Marks for External Assessment (80 marks)

| Chapter | Contents | Marks |
|----------------|-------------------------|--------------|
| 1 | Knowing Our Numbers | 12 |
| 2 | Whole Numbers | 10 |
| 3 | Playing With Numbers | 24 |
| 4 | Basic Geometrical Ideas | 12 |
| 6 | Integers | 14 |
| 11 | Algebra | 08 |
| | Total marks | 80 |

Chapter 1: Knowing Our Numbers (12 marks)

Comparing Numbers - Shifting digits, Introducing 10000, Revisiting Place value, Introducing 100000, Larger Numbers, Reading and writing large numbers; Large Numbers in Practice.

Chapter 2: Whole Numbers (10 marks)

Predecessor and successor; Whole Numbers; The Number Line – Addition on the Number Line, Subtraction on the Number Line, Multiplication on the Number Line.

Chapter 3: Playing with Numbers (24 marks)

Factors and Multiples; Prime and Composite Numbers; Tests for Divisibility of Numbers – Divisibility by 10, 5, 2, 3, 6, 4, 8, 9, 11; Common Factors and Common Multiples; Prime Factorisation; Highest Common Factor; Lowest Common Multiple; Some Problems on HCF and LCM.

Chapter 4: Basic Geometrical Ideas (12 marks)

Points; Line Segment; Line; Intersecting Lines; Parallel Lines; Ray; Curves; Polygons; Angles.

Chapter 6: Integers (14 marks)

Integers - Representation of Integers on a Number Line, Ordering of Integers; Addition of Integers, Addition of Integers on a Number Line; Subtraction of Integers with the help of a Number Line.

Chapter 11: Algebra (08 marks)

Matchstick Patterns; Idea of a Variable; Examples of Variables.

Weightage of marks for Internal Assessment (20 marks)

The internal assessment of 20 marks is to be awarded on the basis of the performance of a student in a variety of activities for continuous assessment. Suggested activities are Project Work/ Assignment, Oral/Mathematical Quiz (History of Mathematics), Mental Maths, Group/ Individual Activity, Written Test and many more.

Textbook as prescribed by MBOSE:

- **Mathematics Class 6, NCERT (Meghalaya Edition)**
Published by- M/S Modern Publishers, Chancellor Commercial, H.B. Road, Panbazar,
Guwahati – 781001

MATHEMATICS
CLASS VI
End – Term
(Internal - 20 marks; External - 80 marks)

Weightage and Distribution of Marks for External Assessment (80 marks)

| Chapter | Contents | Marks |
|---------|---------------------------------|-----------|
| 5 | Understanding Elementary Shapes | 16 |
| 7 | Fractions | 16 |
| 8 | Decimals | 10 |
| 9 | Data Handling | 08 |
| 10 | Mensuration | 16 |
| 12 | Ratio and Proportion | 14 |
| | Total marks | 80 |

Chapter 5: Understanding Elementary Shapes (16 marks)

Measuring Line Segments - comparison by observation, tracing, using Ruler and a Divider; Angles – Right angle, Straight angle, Complete angle, Acute angle, Obtuse angle, Reflex angle; Measuring Angles; Perpendicular Lines; Classification of Triangles; Quadrilaterals; Polygons (up to 8 sides)

Chapter 7: Fractions (16 marks)

A Fraction; Fraction on the Number Line; Proper Fractions; Improper and Mixed Fractions; Equivalent Fractions; Simplest Form of a Fraction; Like and Unlike Fractions; Comparing Fractions - Like Fractions, Unlike Fractions; Addition and Subtraction of Fractions – Like Fractions, Unlike Fractions, Mixed Fractions.

Chapter 8: Decimals (10 marks)

Comparing Decimals; Using Decimals – Money, Length, Weight; Addition of Numbers with Decimals; Subtraction of Decimals.

Chapter 9: Data Handling (08 marks)

Recording Data; Organisation of Data; Pictograph; Interpretation of a Pictograph.

Chapter 10: Mensuration (16 marks)

Perimeter; Perimeter of a rectangle, square, equilateral triangle, regular polygon (upto 8 sides); Area; Area of a rectangle, square.

Chapter 12: Ratio and Proportion (14 marks)

Ratio; Proportion; Unitary Method.

Weightage of marks for Internal Assessment (20 marks)

The internal assessment of 20 marks is to be awarded on the basis of the performance of a student in a variety of activities for continuous assessment. Suggested activities are Project Work/ Assignment, Oral/Mathematical Quiz (History of Mathematics), Mental Maths, Group/ Individual Activity, Written Test and many more.

Textbook as prescribed by MBOSE:

- **Mathematics Class 6, NCERT (Meghalaya Edition)**
 Published by- M/S Modern Publishers, Chancellor Commercial, H.B. Road, Panbazar, Guwahati – 781001

SCIENCE
CLASS VI
Mid – Term
(Internal - 20 marks; External - 80 marks)

Weightage and Distribution of Marks for External Assessment (80 marks)

| Chapter | Contents | Marks |
|--------------------|-------------------------------------|-----------|
| 1 | Components of Food | 14 |
| 2 | Sorting Materials into Groups | 12 |
| 3 | Separations of Substances | 14 |
| 4 | Getting to Know Plants | 14 |
| 7 | Motion and Measurement of Distances | 12 |
| 8 | Light, Shadows and Reflections | 14 |
| Total marks | | 80 |

Chapter 1: Components of Food (14 marks)

What do Different Food Items Contain; Test for Starch, Test for Proteins, Test for Fats; What do Various Nutrients do for Our Body; Balanced Diet; Deficiency Diseases

Chapter 2: Sorting Materials into Groups (12 marks)

Objects around Us; Properties of Materials

Chapter 3: Separations of Substances (14 marks)

Methods of Separation

Chapter 4: Getting to Know Plants (14 marks)

Herbs, Shrubs and Trees; Stem; Leaf; Root; Flower

Chapter 7: Motion and Measurement of Distances (12 marks)

Story of Transport; How Wide is this Desk; Some Measurements; Standard Units of Measurements; Correct Measurement of Length; Measuring the Length of a Curved line; Moving Things around us; Types of Motion.

Chapter 8: Light, Shadows and Reflections (14 marks)

Transparent, Opaque and Translucent Objects; Shadows; Pin Hole Camera; Mirrors and Reflections

Weightage and Distribution of Marks for Internal Assessment: (20 marks)

| Sl. No. | Internal Assessment | Marks |
|--------------|---------------------|-----------|
| 1 | Project work | 5 |
| 2 | Practical work | 5 |
| 3 | Activity | 5 |
| 4 | Worksheet | 5 |
| Total | | 20 |

Section A: Suggestive Project Work (5 marks)

1. Collect pictures of 10 different materials which can be used as conductors or insulators. Paste the pictures as a set of conductors and another of insulators.
2. Prepare a Balanced Diet chart by pasting the different components of food.

3. Observe and list the activities that are carried out at home that demonstrates the following methods of separation.

| Sl. No | Methods | Activities |
|--------|--------------|------------|
| 1 | Hand picking | |
| 2 | Filtration | |
| 3 | Evaporation | |
| 4 | Sieving | |
| 5 | Decantation | |

Section B: Suggestive Practical Works (5 marks)

1. Classify given samples as soluble and insoluble substances (in water)
 - a. Sugar
 - b. Salt (NaCl)
 - c. Sand
 - d. Chalk Powder
 - e. Lemon Juice
 - f. Oil
2. Identify the different parts of a bisexual flower
3. Identify the poles of a Bar magnet

Section C: Suggestive Activity Work (5 marks)

1. Make a list of 5 magnetic and non-magnetic substances that you see around.
2. With an activity, show that Air occupies space using an empty bottle, water and a container or tumbler and report the observation.
3. Test the presence of starch in different food items.

Section D: Suggestive Work Sheets (5 marks)

1. Puzzles (page 44)
2. Labelling of diagrams
3. Class Tests (different categories of objective type questions)

Note:

1. Students are to complete 1 (one) Project, 1 (one) practical work, 1 (one) activity and 1 (one) work sheet for each term.
2. The teacher may use the above suggestive ideas or can used any relevant topics.
3. The teacher may use a rubric as an assessment tool for the project work.

Textbook as prescribed by MBOSE:

- Science Class 6, NCERT (Meghalaya Edition)

Published by- M/S Macmillan Publishers India Ltd., S.C. Goswami Road, Pan bazar, Guwahati - 781001

SCIENCE
CLASS VI
End – Term
(Internal - 20 marks; External - 80 marks)

Weightage and Distribution of Marks for External Assessment (80 marks)

| Chapter | Contents | Marks |
|--------------------|---|-----------|
| 5 | Body Movements | 18 |
| 6 | The Living Organisms - Characteristics and Habitats | 18 |
| 9 | Electricity and Circuits | 18 |
| 10 | Fun with Magnets | 14 |
| 11 | Air Around Us | 12 |
| Total marks | | 80 |

Chapter 5: Body Movements (18 marks)

Human Body and its Movements; Gait of Animals

Chapter 6: The Living Organisms Characteristics and Habitats (18 marks)

Organisms and the Surroundings Where they Live; Habitat and Adaptation; A Journey through different Habitats; Characteristics of Organisms.

Chapter 9: Electricity and Circuits (18 marks)

Electric Cell; A Bulb Connected to an Electric Cell; Electric Circuit; Electric Switch; Electric Conductors and Insulators.

Chapter 10: Fun with Magnets (14 marks)

Magnetic and Non-Magnetic Materials; Poles of Magnet; Finding Directions; Make your own Magnet; Attraction and Repulsion between Magnets.

Chapter 11: Air Around Us (12 marks)

Air is Present Everywhere around Us; Components of Air; How does Oxygen become Available to Animals and Plants living in Water and Soil; How is the Oxygen in the Atmosphere Replaced?

Weightage and Distribution of Marks for Internal Assessment: (20 marks)

| Sl. No. | Internal Assessment | Marks |
|--------------|---------------------|-----------|
| 1 | Project work | 5 |
| 2 | Practical work | 5 |
| 3 | Activity | 5 |
| 4 | Worksheet | 5 |
| Total | | 20 |

Section A: Suggestive Project Work (5 marks)

1. Collect pictures of 10 different materials which can be used as conductors or insulators. Paste the pictures as a set of conductors and another of insulators.
2. Prepare a Balanced Diet chart by pasting the different components of food.

3. Observe and list the activities that are carried out at home that demonstrates the following methods of separation.

| Sl. No | Methods | Activities |
|--------|--------------|------------|
| 1 | Hand picking | |
| 2 | Filtration | |
| 3 | Evaporation | |
| 4 | Sieving | |
| 5 | Decantation | |

Section B: Suggestive Practical Works (5 marks)

1. Classify given samples as soluble and insoluble substances (in water)
 - a. Sugar
 - b. Salt (NaCl)
 - c. Sand
 - d. Chalk Powder
 - e. Lemon Juice
 - f. Oil
2. Identify the different parts of a bisexual flower
3. Identify the poles of a Bar magnet

Section C: Suggestive Activity Work (5 marks)

1. Make a list of 5 magnetic and non-magnetic substances that you see around.
2. With an activity, show that Air occupies space using an empty bottle, water and a container or tumbler and report the observation.
3. Test the presence of starch in different food items.

Section D: Suggestive Work Sheets (5 marks)

1. Puzzles (page 44)
2. Labelling of diagrams
3. Class Tests (different categories of objective type questions)

Note:

1. Students are to complete 1 (one) Project, 1 (one) practical work, 1 (one) activity and 1 (one) work sheet for each term.
2. The teacher may use the above suggestive ideas or can use any relevant topics.
3. The teacher may use a rubric as an assessment tool for the project work.

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Published by- M/S Macmillan Publishers India Ltd., S.C. Goswami Road, Pan bazar, Guwahati - 781001

SOCIAL SCIENCE
CLASS VI
Mid -Term
(Internal - 20 marks; External - 80 marks)

Course Structure

| Sl. No. | Sections | Internal Assessment through project activities | External Assessment |
|----------------|-----------------|---|----------------------------|
| 1 | History | 7 marks | 30 marks |
| 2 | Civics | 6 marks | 20 marks |
| 3 | Geography | 7 marks | 30 marks |
| | Total | 20 marks | 80 marks |

Section-A: History

Chapter 1: Sources of Ancient History-Written Records, material remains, coins or numismatics, inscriptions, oral traditions. major groups of human species

Chapter 2: Evolution of Man: The Earth and the earliest life of human/ how human appears on the earth/ The old stone age; the new stone age; the metal age and iron age.

Chapter 3: The Earliest Civilisation: The early centres of civilisation: Indus Valley Civilisation- Harappan Culture-features and decline

Chapter 4: The Vedic Age: Origin of the Aryans, how the Aryans settled in India? Expansion of the Aryans, use of iron in the later vedic age, social, material, religious and political life of the Aryans.

Chapter 5: Early Kingdoms: Sources, rise of Janapadas and Mahajanapadas, political, economic and social-religious life of the people.

Chapter 6: Emergence of New Religious Movements.

Jainism- Role of Vardhaman Mahavira in Jainism; Teachings of Jainism.

Buddhism- Role of Gautama Buddha in Buddhism, teachings of Buddhism; effects of emergence of religious movements.

Section- B: Civics

Chapter 1: Unity in Diversity: Diversity, inequality, our culture - diversity in languages, festivals, dance and music, food, clothes; unity in diversity: diversity and discrimination – prejudice; Discrimination-causes of prejudice and discrimination, caste-based discrimination; Fighting for equality and fundamental rights

Chapter 2: Government: Meaning; functions; levels and forms of government; universal adult franchise and the suffrage movement.

Chapter 3: Key Elements of Democracy: Democracy; representative democracy; Formation of the Government in India; Opposition; Features of democracy; Advantages and dis-advantages of a democratic government; Essentials for building democracy. Permanent and temporary jobs; Problems of urban occupations; Street vendors and status of women

Section - C: Geography

Chapter 1: *The Earth – Our Planet:* The Earth and the solar system; The Earth-size and shape and other heavenly bodies; **Movements of the Earth** – The Earth and its axis; Rotation of the earth and revolution

Latitudes and Longitudes: Globe; Latitudes and Longitudes and their uses; Lines on the Globe; Locating Places; Different zones of the earth.

Chapter 2: *Three Realms of Earth:* The Earth and the three realms-Lithosphere (Continents), Landforms; Hydrosphere (Oceans); Atmosphere; Impact on Human Life.

Chapter 3: *India: Our Country – India;* India Political - Location, extent and political divisions; Physical features of India- The Northern Mountains, Northern Plains, Great Indian Desert, Peninsular Plateau, Coastal Plains and Group of Islands.

Internal assessment: Three project activities are to be completed in each term, one from each section.

Suggested Project Activities for Mid -Term

1. Create a mind map on sources of history.
2. Creation of scrapbook on archaeological objects with special reference to Meghalaya.
3. Creation of simple timeline chart on Old Stone Age according to the stages.
4. Development of pictorial chart on early human life.
5. Group Discussion and Presentation on local tools used in different occupation and how have they changed human life.
6. Draw and color the map locating Harappa and Mohenjo-Daro.
7. Create pictures of Vedic Age and write an essay on the pictures pasted.
8. Create a comparative chart on the teachings of Buddhism and Jainism.
9. Find out the different festivals celebrated in your local areas.
10. Perform a mock election in the classroom.
11. Group debate on democracy and dictatorship government citing real life situations.
12. Group work using low cost/easily available materials to create replica of the solar system.

Note: Internal assessment of 20 marks shall be realized through the conduct of projects, minimum one from each section - History, Civics and Geography for each term.

Textbook as prescribed by MBOSE:

- **Orchid Social Sciences- VI**

Published by- M/s Yogson International, H-159, Sector-12, Noida – 201301.

SOCIAL SCIENCE
CLASS VI
End - Term
(Internal - 20 marks; External - 80 marks)

Course Structure

| Sl. No. | Sections | Internal Assessment through project activities | External Assessment |
|---------|--------------|--|---------------------|
| 1 | History | 7 marks | 30 marks |
| 2 | Civics | 6 marks | 20 marks |
| 3 | Geography | 7 marks | 30 marks |
| | Total | 20 marks | 80 marks |

Section-A: History

Chapter 7: The Mauryan Age and India After the Mauryans.

The Mauryan Age

Role of Chandragupta and Chanakya in the establishment of the Mauryan Empire, Chandragupta, Bindusara and Ashoka as an emperor of the Mauryan Empire; Features of the Mauryan Age

India After the Mauryans.

The Shungas; the Kanvas; the Bactrians or Indo-Greeks; the Sakas; The Kushanas and the Satavahanas; Summary of their reign; Impact of foreign contacts

Chapter 8: The Guptas and India After the Guptas.

The Guptas: Establishment of the Gupta Empire; Role of Samudragupta; Chandragupta Vikramaditya in the Gupta Empire; Gupta Empire as the Golden Age in Hindu India; Decline of the of Gupta Empire.

India After the Guptas

Hunas in Punjab and Kashmir during the Later Gupta Age; Emergence of small states- Magadha, Vallabhi Kanauj, Malwa, Gauda, Thaneshwar, Kamarupa, Harsha and Bhaskaravarmana; Hieun Tsang – Chinese Traveller to India; Vakatakas, Pallavas and Chalukyas

Chapter 9: Life in Villages and Towns.

Second Urbanisation; Reasons for the growth of cities; Use of iron; Life in villages; Use of coins; Emergence of guilds; Trade route; Sources of information: Archaeology-Pottery

Chapter 10: Religion and Culture

The Vedas and Associated Texts, Mahabharata and Ramayana, Stories told by ordinary People- Jatakas and Panchatantra; Secular Literature; Foreign Travellers; Sangam Literature: Art and- Temples & Paintings, Science and Medicine

Chapter 11: Financial Education (For internal assessment only): Barter System and Evolution of Money.

Section- B: Civics

Chapter 4: Administration- Panchayati Raj System, Urban Administration, District Administration

Panchayati Raj System.: Structure of the Panchayati Raj: Village Level Government: Gram Sabha, Gram Panchayat (Functions and Sources of Income), Block Level Government: Block Samiti (Composition, Functions, and Sources of Income); The District Level Government: Zila Parishad (Composition, Functions, and Sources of Income).

Urban Administration: Nagar Panchayat; Nagar Palika or Municipality-Composition; Nagar Nigam or Municipal Corporation- Composition; Committees- Functions and Sources of Income.

District Administration: Structure and key functions of District Administration; Judicial Administration.

Chapter 5: Livelihoods: Rural Livelihoods – rural occupations; story on big farmers; small farmer and landless labourer; Other occupations and measures adopted by Government to improve rural life; Urban livelihoods–Types of urban jobs;

Chapter 6: Financial Education (For internal assessment only): Needs and Wants and Bills/Cash Memo.

Section - C: Geography

Chapter 4: India-Climatic Conditions, Natural Vegetation and Wildlife

Climatic Conditions- Weather, Climate, factors affecting climate of India, distribution of rainfall, Cycle of seasons, monsoons; natural vegetation and wildlife of India; Major vegetation regions; Importance of forests and conservation of forests; Wildlife and conservation

Chapter 5: Emerging North-East India: Climatic conditions; Capitals and languages; People and culture; Transportation; Occupation; Industries; Famous places and communication.

Chapter 6: Meghalaya - An Overview: Climatic conditions; Minerals found in Meghalaya; Power and energy distribution; Transportation and major occupations.

Chapter 7: Natural Calamities: Natural calamities; The emergency sequence and community help.

Chapter 8: Traffic Signs and Signals: Types of traffic signs; Location of road signs; Traffic light signals.

Chapter 9: Financial Education (For internal assessment only): Trade and Benefits of Trades.

Internal assessment: Three project activities are to be completed in each term, one from each section.

Suggested Project Activities for End -Term

1. Create a concept map on livelihood.
2. Interview and document the parents or village elders about the history of the village and local markets.
3. Role Play on Barter System inside the classroom.
4. Prepare a Budget for your birthday party.

5. Identify the different type of wildlife found in your nearby areas.
6. Mock drill highlighting safety precautions during natural calamities.
7. Find out the price of the different food items available in your neighborhood and compare it with your fellow classmates.

Note: Internal assessment of 20 marks shall be realized through the conduct of projects, minimum one from each sections-History, Civics and Geography for each term.

Textbook as prescribed by MBOSE:

- **Orchid Social Sciences- VI**
Published by- M/s Yogson International, H-159, Sector-12, Noida – 201301.

ENGLISH
CLASS VII
Mid – Term
(Internal - 20 marks; External - 80 marks)

Pieces to be read:

A. Prose (20 marks)

1. Three Questions - *Leo Tolstoy*
2. A Gift of Chappals - *Vasantha Surya*
3. Gopal and the Hilsa Fish

B. Poetry (20 marks)

1. The Squirrel - *Mildred Bowers Armstrong*
2. The Rebel - *D.J. Enright*
3. The Shed - *Frank Flynn*
4. Chivvy - *Michael Rosen*

C. Supplementary Reader (10 marks)

1. The Tiny Teacher
2. Bringing up Kari - *Dhan Gopal Mukerji*

D. Grammar and Composition (30 marks)

1. The Sentence
2. The Noun
3. The Pronoun
4. Determiners
5. The Adjective
6. Comprehension
7. Paragraph Writing
8. Letter Writing

Textbooks as prescribed by MBOSE:

1. **Meghalaya English Reader 7** - Textbook in English for Class VII NCERT
(Meghalaya Edition)
Published by - M/S Meghalaya Book Stall, Mawkhar Point, Iewduh, Shillong
2. **An Alien Hand** - Supplementary Reader in English for Class VII NCERT
(Meghalaya Edition)
Published by - M/S Students' Publication, Bara Bazar, Shillong – 793002
3. **Graded English Grammar & Composition VII**
M/S Avichal Publishing Company,
1002-1003, Faiz Road, Karol Bagh
New Delhi - 110005

ENGLISH
CLASS VII
End – Term
(Internal - 20 marks; External - 80 marks)

Pieces to be read:

A. Prose (20 marks)

1. The Ashes That Made Trees Bloom - *William Elliot Griffis*
2. Quality - *John Galsworthy*
3. Expert Detectives - *Sharada Dwivedi*

B. Poetry (20 marks)

1. Trees - *Shirley Bauer*
2. Mystery of the Talking Fan - *Maude Rubin*
3. Garden Snake - *Muriel L. Sonne*
4. Meadow Surprises - *Lois Brandt Philips*

C. Supplementary Reader (10 marks)

1. Golu Grows a Nose - *Rudyard Kipling*
2. An Alien Hand - *Jayant Narlikar*

D. Grammar and Composition (30 marks)

1. The Verb
2. The Verb – Expressing the Present
3. The Verb – Expressing the Past
4. The Verb – Expressing the Future
5. Vocabulary
6. Comprehension
7. Paragraph Writing
8. Letter Writing

Textbooks as prescribed by MBOSE:

1. **Meghalaya English Reader 7** - Textbook in English for Class VII NCERT
(Meghalaya Edition)
Published by - M/S Meghalaya Book Stall, Mawkhar Point, Iewduh, Shillong
2. **An Alien Hand** - Supplementary Reader in English for Class VII NCERT
(Meghalaya Edition)
Published by - M/S Students' Publication, Bara Bazar, Shillong – 793002
3. **Graded English Grammar & Composition VII**
M/S Avichal Publishing Company,
1002-1003, Faiz Road, Karol Bagh
New Delhi – 110005

KHASI (MIL)
CLASS VII
Mid – Term
(Internal - 20 marks; External - 80 marks)

Pieces to be Read:

A. Ka Lyngkha Sara Bynta - V
Ka Kot Pule Khasi Klas - VII

Prose

(24 marks)

1. U Barliwell Suting
2. Ka Thew ka Woh bad ka Kheĩn ka Diah u Khasi
3. Ka Kmie ki Baduk Tam
4. U Khlawait ki Pnar

Poitri

(14 marks)

1. Kum 'Per Syntiew
2. Ka Ri Khasi

B. Ka Lyngkha Sara Bynta – V
Ka Kot Pyrshang Khasi Klas – VII -

1. U Barliwell Suting
2. Ka Thew ka Woh bad ka Kheĩn ka Diah U Khasi
3. Ka Kmie ki Baduk Tam
4. U Khlawait ki Pnar
5. Kum 'Per Syntiew
6. Ka Ri Khasi

K. Ki Dienjat ha u Shyiap

(14 marks)

Rapid Reader

1. U Nongphawar na Mawmluh

D. Ka Jingsneng Tymmen Part – I

(5 marks)

Chapter I – V

E. Grammar & Composition

(23 marks)

1. Ka Lyngkha Sara Bynta – V
Ki Ktien Tymmen (Lynnong -18)
Ai Ksew haduh 'Iar krad lynti
2. Hints on the study of Khasi Language
The Verbs and Types of Verbs (Transitive Verb, Intransitive Verb, Auxiliary Verb)
3. Ktien Kynnoh
Dak-shin haduh Nguh – dem

Internal Assessment

(20 marks)

Esse (Essay) writing, Letter writing, Creative writing, Reading, Comprehension, Dictation and Translation of Passages.

Textbooks as prescribed by MBOSE:

1. (i) **Ka Lyngkha Sara Bynta - V, Ka Kot Pule Khasi Klas- VII**
(ii) **Ka Lyngkha Sara Bynta - V, Ka Kot Pyrshang Khasi Klas- VII**
Hima Book Stall, Shillong-793002
2. **Ki Dienjat ha u Shyiap**
Ri Khasi Publication, Mawkhar, Shillong – 793001
3. **Ka Jingsneng Tymmen Part-I**
Ri Khasi Press, Umsohsun, Shillong – 793001
4. **Hints on the Study of Khasi Language**
Ri Khasi Publications, Mawkhar, Shillong – 793001

Reference Book

- **Ka Kramar Khasi Kitab IV**
(KJWA Research Cell)
Ri Khasi Publications, Shillong

KHASI (MIL)
CLASS VII
End – Term
(Internal - 20 marks; External - 80 marks)

Pieces to be Read:

A. Ka Lyngkha Sara Bynta - V
Ka Kot Pule Khasi Klas - VII

Prose (24 marks)

1. U President ki Paidbah
2. U Hynñiew Trep
3. Ka ĩew Luri Lura
4. U Mar Phalyngki

Poitri (14 marks)

1. Ka Sohra
2. I Mei I Pa

B. Ka Lyngkha Sara Bynta – V
Ka kot Pyrshang Khasi Klass – VII

1. U President ki Paidbah
2. U Hynñiew Trep
3. Ka ĩew Luri Lura
4. U Mar Phalyngki
5. Ka Sohra
6. I Mei I Pa

K. Ki Dienjat ha u Shyiap (14 marks)

Rapid Reader

1. “Katba ki Sngi ki nang ĩaid”

D. Ka Jingsneng Tymmen Part – I (5 marks)

Chapter VI – X

E. Grammar & Composition (23 marks)

1. Ka Lyngkha Sara Bynta – V
- Ki Ktien Tymmen (Lynnong -18)
’Iar mangkalai haduh ka wang kushu
2. Hints on the study of Khasi Language
- Tense (Present Tense, Past Tense, Future Tense)
3. Ktien Kynnoh
- Hadien – habud haduh ĩohthiah – ĩohdem

Internal Assessment (20 marks)

Esse (Essay) writing, Letter writing, Creative writing, Reading, Comprehension, Dictation and Translation of Passages.

Textbooks as prescribed by MBOSE:

1. (i) **Ka Lyngkha Sara Bynta - V, Ka Kot Pule Khasi Klas- VII**
(ii) **Ka Lyngkha Sara Bynta - V, Ka Kot Pyrshang Khasi Klas- VII**
Hima Book Stall, Shillong-793002
2. **Ki Dienjat ha u Shyiap**
Ri Khasi Publication, Mawkhar, Shillong – 793001
3. **Ka Jingsneng Tymmen Part-I**
Ri Khasi Press, Umsohsun, Shillong – 793001
4. **Hints on the Study of Khasi Language**
Ri Khasi Publications, Mawkhar, Shillong – 793001

Reference Book

- **Ka Kramar Khasi Kitab IV**
(KJWA Research Cell)
Ri Khasi Publications, Shillong

GARO (MIL)
CLASS VII
Mid – Term
(Internal - 20 marks; External - 80 marks)

Pieces to be read:

- A. Prose** (40 marks)
1. Ku·siktangna ka·saani - *L.D.Shira*
 2. Wangala - *L.R.Marak*
 3. Pakmao Nikronggijagipa Seani - *L.M.Holbrook*. Sastroni Kattarang
- B. Poetry** (20 marks)
1. Gamgipa - *Kosan G Momin*
 2. Mikbua - *Rev.G.K.Marak*
- C. Grammar and Composition** (10+10 marks)
1. Kattarangni Ma·arang
 2. Verb- Tense
 3. Adjectiveko Tosusaani

Formal and Informal Letter Writing, Comprehension, Essay/ Story Writing, Picture Description.

Textbooks as prescribed by MBOSE:

1. **Poraiani Ki·tap Class VII**
Unimind Publishing Group, Araimile, New Tura
2. **A·chik Grammar** - E. G. Phillips
3. **A·chik Composition & Essay** - K. M. Momin

GARO (MIL)
CLASS VII
End – Term
(Internal - 20 marks; External - 80 marks)

Pieces to be read:

A. Prose (40 marks)

1. Minggittam Ui·e Ra·na Nanggnirang - *Seming D. Sangma*
2. Pandit Jawaharlal Nehru - *Winnish K. Sangma*
3. Balgitchak Sikar Ka·a - *Mackenson Rongmuthu*

B. Poetry (20 marks)

1. Hai Mo Chadamberang - *Rev.W.R.Marak*
2. Do·kua - *D. N.Sangma*

C. Grammar and Composition (10+10 marks)

1. Adverbni Ma·a / Tosusaani / Napsikgipa Adverb
2. Case

Application/Invitation Writing, Katta Dingtanggrikani, Aganme·apa, Katta Ku·jikse, Dokbadale Seani.

Textbooks as prescribed by MBOSE:

1. Poraiani Ki·tap Class VII

Unimind Publishing Group, Araimile, New Tura

2. A·chik Grammar - E. G. Phillips

3. A·chik Composition & Essay - K. M. Momin

HINDI (MIL)
CLASS VII
Mid – Term
(Internal - 20 marks; External - 80 marks)

Pieces to be read:

A. Prose

(30 marks)

1. Yudh ke neta aur shanti ke Agradut - Lal Bahadur Shastri - Dr. *Puranchand Tandan*
2. Bhagat Singh ke Patra - *Bhagat Singh*
3. Aashirvachan - *Jayshankar Prasad*
4. Desh Prem - *Aacharya Ramchandra Shukla*

B. Poetry

(20 Marks)

1. Shat Naman mera Tumhe - *Kedarnath Mishra 'Prabhat'*
2. Gulabi Churiyan - *Nagarjun*

C. Grammar

(20 Marks)

1. Varnmala, Nagrilipi tatha Varn
2. Swaroon ki Matraien Evom Sangyugta Varn
3. Varno ke uchharan tatha Shudh Vartani
4. Sangya ke vikar
5. Karak

D. Composition

(10 Marks)

1. Patra lekhan (Letter Writing)
2. Apathith Gadhyansh (Unseen Passage)

Textbooks as prescribed by MBOSE:

1. (i) **Hindi Reader VII: Pallav Pathmala**
(ii) **Hindi Workbook VII: Pallav Athyas**
M/s Neeta Prakashan, A-4, Ring Road, South Extension – 1, New Delhi -110049
2. **Together with Hindi – VII**
M/s Rachna Sagar Pvt. Ltd. 4583/15, Daryagunj, Delhi
3. (i) **Learn Hindi- Learn Khasi (Dictionary)**
(ii) **Learn Hindi - Learn Garo (Dictionary)**
M/s Gewali Publication, Upper Mawprem, Shillong -2

HINDI (MIL)
CLASS VII
End – Term
(Internal - 20 marks; External - 80 marks)

Pieces to be read:

A. Prose (30 marks)

1. Chori Aur Prayaschit - *Mohandas Karamchand Gandhi*
2. Jivan Aur Shikshan - *Aacharaya Vinoba Bhawe*
3. Chakrabhiu Bhedhak - Abhimanyu - *Dr. Puranchand Tandan*
4. Chota Jadugar - *Jayshankar Prashad*

B. Poetry (20 Marks)

1. Navyuvakon ke prati - *Maithalisharan Gupt*
2. Nitiparakh Dohe - *Vrind*

C. Grammar (20 Marks)

1. Visheshan: Bhed tatha Roop Rachana
2. Kriya: Bhed tatha Roop Rachana
3. Viram Chinha
4. Shabd – Bhed
5. Muhawarien

D. Composition (10 Marks)

1. Nibandh lekhan (Essay Writing)
2. Apathith Gadhyansh (Unseen Passage)

Textbooks as prescribed by MBOSE:

1. (i) **Hindi Reader VII Pallav Pathmala**
(ii) **Hindi Workbook - VII Pallav Athyas**
M/s Neeta Prakashan, A-4, Ring Road, South Extension – 1, New Delhi -110049
2. **Together with Hindi – VII**
M/s Rachna Sagar Pvt. Ltd. 4583/15, Daryagunj, Delhi
3. (i) **Learn Hindi- Learn Khasi (Dictionary)**
(ii) **Learn Hindi - Learn Garo (Dictionary)**
M/s Gewali Publication, Upper Mawprem, Shillong -2

MATHEMATICS
CLASS VII
Mid – Term
(Internal - 20 marks; External - 80 marks)

Weightage and Distribution of Marks for External Assessment (80 marks)

| Chapter | Contents | Marks |
|--------------------|------------------------|--------------|
| 1 | Integers | 12 |
| 2 | Fractions and Decimals | 18 |
| 4 | Simple Equations | 12 |
| 5 | Lines and Angles | 14 |
| 8 | Rational Numbers | 12 |
| 10 | Algebraic Expressions | 12 |
| Total marks | | 80 |

Chapter 1: Integers (12 marks)

Properties of addition and subtraction of integers – closure property, commutative property, associative property, additive identity; multiplication of integers – positive and negative integers, two negative integers; properties of multiplication of integers – closure property, commutative property, multiplication by zero, multiplicative identity, associative property, distributive property; division of integers; properties of division of integers.

Chapter 2: Fractions and Decimals (18 marks)

Multiplication of fractions - multiplication of a fraction by a whole number, multiplication of a fraction by a fraction; division of fractions - division of a whole number by a fraction, division of a fraction by a whole number, division of a fraction by another fraction; multiplication of decimal numbers; multiplication of decimal numbers by 10, 100 and 1000; division of decimal numbers – division by 10, 100, and 1000, division of a decimal number by a whole number, division of a decimal number by another decimal number.

Chapter 4: Simple Equations (12 marks)

Setting up of an equation; variable; what is an equation, solving an equation, more equations; applications of simple equations to practical situations.

Chapter 5: Lines and Angles (14 marks)

Recall a line segment, line, angle; related angles – complementary angles, supplementary angles; pair of lines – intersecting lines, transversal, angles made by a transversal, transversal of parallel lines; checking for parallel lines.

Chapter 8: Rational Numbers (12 marks)

Need for rational numbers; what are rational numbers, equivalent rational numbers; positive and negative rational numbers; rational numbers on a number line; rational numbers in standard form; comparison of rational numbers; rational numbers between two rational numbers; operations on rational numbers – addition, subtraction, multiplication, division.

Chapter 10: Algebraic Expressions (12 marks)

How are expressions formed; terms of an expression, factors of a term, coefficients; like and unlike terms; monomials, binomials, trinomials, polynomials; finding the value of an expression.

Weightage of marks for Internal Assessment**(20 marks)**

The internal assessment of 20 marks is to be awarded on the basis of the performance of a student in a variety of activities for continuous assessment. Suggested activities are Project Work/ Assignment, Oral/Mathematical Quiz, Mental Maths, Group/ Individual Activity, Written Test and many more.

Textbook as prescribed by MBOSE:**- Mathematics Class 7, NCERT (Meghalaya Edition)**

Published by- M/S Modern Publishers, Chancellor Commercial, H.B. Road, Panbazar, Guwahati - 781001

MATHEMATICS
CLASS VII
End – Term
(Internal - 20 marks; External - 80 marks)

Weightage and distribution of marks for External Assessment (80 marks)

| Chapter | Contents | Marks |
|--------------------|---------------------------------|-----------|
| 3 | Data Handling | 12 |
| 6 | The Triangle and its Properties | 16 |
| 7 | Comparing Quantities | 12 |
| 9 | Perimeter and Area | 14 |
| 11 | Exponents and Powers | 14 |
| 12 | Symmetry | 06 |
| 13 | Visualising Solid Shapes | 06 |
| Total marks | | 80 |

Chapter 3: Data Handling (12 marks)

Representative values; arithmetic mean, range; mode, mode of large data; median; use of bar graphs.

Chapter 6: The Triangle and its Properties (16 marks)

Medians of a triangle; altitudes of a triangle; exterior angle of a triangle and its property; angle sum property of a triangle; two special triangles – equilateral, isosceles; sum of the lengths of two sides of a triangle; right-angled triangles and Pythagoras property.

Chapter 7: Comparing Quantities (12 marks)

Meaning of percentage, converting fractional numbers to percentage, converting decimals to percentage, converting percentages to fractions or decimals; uses of percentages – interpreting percentages, converting percentages to ‘how many’, ratios to percents, increase or decrease as percent; prices related to an item or buying and selling, profit or loss as a percentage; charge given on borrowed money or simple interest, interest for multiple years.

Chapter 9: Perimeter and Area (14 marks)

Area of a parallelogram; area of a triangle; circles – circumference of a circle, area of a circle.

Chapter 11: Exponents and Powers (14 marks)

Exponents; laws of exponents – multiplying powers with the same base, dividing powers with the same base, taking power of a power, multiplying powers with the same exponents, dividing powers with the same exponents; miscellaneous examples using the laws of exponents; decimal number system; expressing large numbers in standard form.

Chapter 12: Symmetry (06 marks)

Line symmetry, lines of symmetry for regular polygons; rotational symmetry – centre of rotation, angle of rotation, order of rotational symmetry.

Chapter 13: Visualising Solid Shapes (06 marks)

Plane (2-D) figures and solid (3-D) shapes; solid shapes – faces, edges, vertices.

Portions for demonstration & activities only: - nets for building 3-D shapes; drawing solids on a flat surface – oblique sketches, isometric sketches; visualising solid objects; viewing different sections of a solid – by cutting or slicing, by looking at it from certain angles to get different views.

Weightage of marks for Internal Assessment**(20 marks)**

The internal assessment of 20 marks is to be awarded on the basis of the performance of a student in a variety of activities for continuous assessment. Suggested activities are Project Work/ Assignment, Oral/Mathematical Quiz, Mental Maths, Group/ Individual Activity, Written Test and many more.

Textbook as prescribed by MBOSE:

- **Mathematics Class 7, NCERT (Meghalaya Edition)**
Published by- M/S Modern Publishers, Chancellor Commercial, H.B. Road, Panbazar,
Guwahati - 781001

SCIENCE
CLASS VII
Mid – Term
(Internal - 20 marks; External - 80 marks)

Weightage and Distribution of Marks for External Assessment

(80 marks)

| Chapter | Contents | Marks |
|--------------------|----------------------------------|--------------|
| 1 | Nutrition in Plants | 12 |
| 2 | Nutrition in Animals | 10 |
| 3 | Heat | 12 |
| 5 | Physical and Chemical Changes | 12 |
| 6 | Respiration in Organisms | 12 |
| 10 | Electric Current and its Effects | 12 |
| 12 | Forests-Our Lifeline | 10 |
| Total marks | | 80 |

Chapter 1: Nutrition in Plants

(12 marks)

Mode of Nutrition in Plants; Photosynthesis; Other Modes of Nutrition in Plants; Saprotrophs; How Nutrients are Replenished in the Soil

Chapter 2: Nutrition in Animals

(10 marks)

Different ways of taking Food; Digestion in Humans; Digestion in Grass-Eating Animals; Feeding and Digestion in Amoeba

Chapter 3: Heat

(12 marks)

Hot and Cold; Measuring Temperature; Laboratory Thermometer; Transfer of Heat; Kinds of Clothes we Wear in Summer & Winter.

Chapter 5: Physical and Chemical Changes

(12 marks)

Physical Changes; Chemical Changes; Rusting of Iron; Crystallization

Chapter 6: Respiration in Organisms

(12 marks)

Why do we Respire; Breathing; How do we Breathe; What do we breathe out; Breathing in other Animals; Breathing under Water; Do Plants also Respire?

Chapter 10: Electric Current and its Effects

(12 marks)

Symbols of Electric Components; Heating Effect of Electric Current; Magnetic Effects of Electric Current; Electro Magnet; Electric Bell

Chapter 12: Forests-Our Lifeline

(10 marks)

Visit to a Forest

Weightage and Distribution of Marks for Internal Assessment: (20 marks)

| Sl. No. | Internal Assessment | Marks |
|--------------|---------------------|-----------|
| 1 | Project work | 5 |
| 2 | Practical work | 5 |
| 3 | Activity | 5 |
| 4 | Worksheet | 5 |
| Total | | 20 |

Section A: Suggestive Project Work (5 marks)

1. To make an electric circuit using a battery, wire, pins and a bulb to demonstrate the glowing of a bulb.
2. Make Newton's disc to demonstrate that white light is composed of seven (7) component colours.
3. Prepare a model to illustrate the process of photosynthesis.
4. Prepare a model to illustrate the arrangement of different types of teeth in human beings and specify the use of each type.
5. Demonstrate the process of vegetative propagation using potato, ginger, turmeric or any other vegetable.

Section B: Suggestive Practical Work (5 marks)

1. Measure temperature of liquids (tap water, milk, juice, oil etc.) and compare the temperatures of different liquids using a laboratory thermometer.
2. To observe stomata under a microscope.
3. Identify unknown samples and classify them as acids and bases using litmus paper.

Section C: Suggestive Activity Works (5 marks)

1. Write 5 examples of motion and identify the type of motion (periodic/ straight/ circular...) in each case.
2. To measure the speed of a ball moving along the ground by measuring time and distance.
3. Classify the changes involved in the following processes as physical or chemical changes with valid reasons- (a) Cooking of food (b) Melting of chocolate in the mouth (c) Cutting of fruits (d) Burning of firewood (e) Fermentation of fruits to wine.

Section D: Suggestive Work Sheets (5 marks)

1. Puzzles
2. Labeling of diagram
3. Class Tests (different categories of objective type questions)

Note:

1. Students are to complete 1 (one) Project, 1 (one) practical work, 1 (one) activity and 1 (one) work sheet for each term.
2. The teacher may use the above suggestive ideas or can use any relevant topics.
3. The teacher may use a rubric as an assessment tool for the project work.

Textbook as prescribed by MBOSE:

- Science Class 7, NCERT (Meghalaya Edition)

Published by M/S Macmillan Publishers India Ltd., S.C. Goswami Road, Pan bazar,
Guwahati- 781001

SCIENCE
CLASS VII
End – Term
(Internal - 20 marks; External - 80 marks)

Weightage and Distribution of Marks for External Assessment (80 marks)

| Chapter | Contents | Marks |
|--------------------|--------------------------------------|-----------|
| 4 | Acids, Bases & Salts | 13 |
| 7 | Transportation in Animals and Plants | 14 |
| 8 | Reproduction in Plants | 13 |
| 9 | Motion and Time | 14 |
| 11 | Light | 16 |
| 13 | Wastewater Story | 10 |
| Total marks | | 80 |

Chapter 4: Acids, Bases & Salts (13 marks)

Acids and Bases; Natural Indicators around Us; Neutralization & its use in Everyday Life

Chapter 7: Transportation in Animals and Plants (14 marks)

Circulatory System; Excretion in Animals; Transport of Substances in Plants

Chapter 8: Reproduction in Plants (13 marks)

Modes of Reproduction; Sexual Reproduction; Fruits and Seed Formation; Seed Dispersal

Chapter 9: Motion and Time (14 marks)

Slower-Fast Motion; Speed; Measurement of Time; Measuring Speed; Distance-Time Graph

Chapter 11: Light (16 marks)

Light travels along a straight line; Reflection of Light; Right or Left Image; Spherical Mirrors; Images formed by Lenses; Sunlight- White or Coloured.

Chapter 13: Wastewater Story (10 marks)

Water-our Lifeline; Sewage; Water freshens up; Waste-Water Treatment Plant (WWTP); Better Housekeeping Practices; Sanitation and Disease; Alternative arrangement for sewage disposal; Sanitation at Public Places.

Weightage and Distribution of Marks for Internal Assessment: (20 marks)

| Sl. No. | Internal Assessment | Marks |
|--------------|---------------------|-----------|
| 1 | Project work | 5 |
| 2 | Practical work | 5 |
| 3 | Activity | 5 |
| 4 | Worksheet | 5 |
| Total | | 20 |

Section A: Suggestive Project Work (5 marks)

1. To make an electric circuit using a battery, wire, pins and a bulb to demonstrate the glowing of a bulb.
2. Make Newton's disc to demonstrate that white light is composed of seven (7) component colours.
3. Prepare a model to illustrate the process of photosynthesis.
4. Prepare a model to illustrate the arrangement of different types of teeth in human beings and specify the use of each type.
5. Demonstrate the process of vegetative propagation using potato, ginger, turmeric or any other vegetable.

Section B: Suggestive Practical Work (5 marks)

1. Measure temperature of liquids (tap water, milk, juice, oil etc.) and compare the temperatures of different liquids using a laboratory thermometer.
2. To observe stomata under a microscope.
3. Identify unknown samples and classify them as acids and bases using litmus paper.

Section C: Suggestive Activity Works (5 marks)

1. Write 5 examples of motion and identify the type of motion (periodic/ straight/ circular...) in each case.
2. To measure the speed of a ball moving along the ground by measuring time and distance.
3. Classify the changes involved in the following processes as physical or chemical changes with valid reasons- (a) Cooking of food (b) Melting of chocolate in the mouth (c) Cutting of fruits (d) Burning of firewood (e) Fermentation of fruits to wine.

Section D: Suggestive Work Sheets (5 marks)

1. Puzzles
2. Labeling of diagram
3. Class Tests (different categories of objective type questions)

Note:

1. **Students are to complete 1 (one) Project, 1 (one) practical work, 1 (one) activity and 1 (one) work sheet for each term.**
2. **The teacher may use the above suggestive ideas or can used any relevant topics.**
3. **The teacher may use a rubric as an assessment tool for the project work.**

Textbook as prescribed by MBOSE:

- Science Class 7, NCERT (Meghalaya Edition)

Published by M/S Macmillan Publishers India Ltd., S.C. Goswami Road, Pan bazar, Guwahati- 781001

SOCIAL SCIENCE
CLASS VII
Mid – Term
(Internal - 20 marks; External - 80 marks)

Course Structure

| Sl. No | Sections | Internal Assessment through project activities | External Assessment |
|--------|--------------|--|---------------------|
| 1 | History | 7 marks | 30 marks |
| 2 | Civics | 6 marks | 20 marks |
| 3 | Geography | 7 marks | 30 marks |
| | Total | 20 marks | 80 marks |

Section - A: History

Chapter 1: The Rajput Kingdoms in India: Origin of the Rajputs; The Rajput Kingdoms of North India and South India Break-up of Rajput Kingdoms; Kingdoms of South India during the Rajput Age; Society and Culture in the Rajput Period (Administrative System, Society, Art and Literature).

Chapter 2: Turkish Invasion on India: Invasion of Mahmud Ghaznavi; Mohammad Ghori, and Qutub-ud-Din Aibak.

Chapter 3: The Sultanate of Delhi: The Slave Dynasty; The Khilji Dynasty; Tughlaq Dynasty; The Sayyid Dynasty (1414 – 51 A.D.); The Lodhi Dynasty (1451 – 1526 A.D.); Life under the Delhi Sultans

Chapter 4: Towns, Traders and Craftsmen: Towns; Small and Big Traders.
Case Study on Hampi, Masulipatnam and Surat

Section - B: Civics

Chapter 1: Constitution of India: Origin of the Constitution, The Constituent Assembly; The Constitution; The Preamble – Democracy, Religious Freedom, Equality and an Instrument of Change; Chief Features of the Indian Constitution; Fundamental Rights and Duties.

Chapter 2: Law-making Bodies: Union Government- Lok Sabha, Rajya Sabha; State Legislatures- Vidhan Sabha and Vidhan Parish

Chapter 3: How does the Parliament Act? The Speaker; Chairman of the Rajya Sabha, Comparison; Functions of Parliament and Law-making Process and Miscellaneous Functions.

Chapter 4: The Central Government and The State Government.

The Central Government: The State List; The Union List; The Concurrent List; How Laws are Executed? The President; The Vice-President; The Council of Ministers; The Prime Minister; Cabinet; Civil Services.

The State Government – The Executive; The Governor; The Chief Minister; State Civil Services

Chapter 5: Judicial System of India.: The Offenders; Criminal and Civil Cases; the Supreme Court; High Courts; Subordinate Courts.

Chapter 6: Financial Education (*For internal assessment only*): Consumer Protection and Introduction to Banking

Section - C: Geography

Chapter 1: The Environment: Natural Environment- Lithosphere, Hydrosphere, Atmosphere, Biosphere and Ecosystem; Human Environment – Settlements, Types of Settlements, Transport and Communication.

Chapter 2: Lithosphere and Hydrosphere: The Hot Interior; Four Shells; The Lithosphere - Minerals and Land Forms; *Hydrosphere* – Ocean (waves, tides, ocean currents- causes and influences); Type of Precipitation.

Chapter 3: Weather and Climate (Meaning and Differences): Water Vapour, Evaporation, Humidity; Condensation- Forms; Type of Precipitation.

Chapter 4: Natural Vegetation and Wildlife: Forests and its Classifications; Mediterranean Vegetation, Coniferous Forests, Benefits of Forests; Grasslands- Tropical and Temperate Shrubs; Desert and Tundra; Wildlife- Animals in the Tropical, Temperate, Grasslands, Deserts and Cold Regions

Internal assessment: Three project activities are to be completed in each term, one from each section.

Suggested Project Activities for Mid - Term

1. Make chronological chart on the Sultans of Delhi.
2. Develop a comparative historical map work of one kingdom with another.
3. Create a photo essay on the towns of Medieval Period and explain its features on each one of them.
4. Create a concept map/mind map on Freedom and Equality.
5. Develop a flow chart on functions of the Government citing examples from your own state.
6. Create a diorama on any area from Lithosphere/Hydrosphere
7. Create a 3D model of the Earth Ecosystem.
8. Collect and identify different types of vegetation from your local area.

Note: Internal assessment of 20 marks shall be realized through the conduct of projects, minimum one from each sections-History, Civics and Geography for each term.

Textbook as prescribed by MBOSE:

- **Orchid Social Sciences- VII**
Published by- M/s Yogson International, H-159, Sector-12, Noida – 201301.

SOCIAL SCIENCE
CLASS VII
End – Term
(Internal - 20 marks; External - 80 marks)

Course Structure

| Sl. No | Sections | Internal Assessment through project activities | External Assessment |
|--------|--------------|--|---------------------|
| 1 | History | 7 marks | 30 marks |
| 2 | Civics | 6 marks | 20 marks |
| 3 | Geography | 7 marks | 30 marks |
| | Total | 20 marks | 80 marks |

Section - A: History

Chapter 5: Mughals in India: Who were the Mughals? Reign of Babur; Humayun; Sher Shah Suri; Akbar; Jehangir; Shah Jahan; Aurangzeb; Social, Economic and Cultural Conditions under the Mughal Rule; Decline of the Mughal Empire.

Chapter 6: Bhakti and Sufi Movements: Bhakti Movements- Ramananda, Kabir, Namdev, Guru Nanak, Chaitanya Mahaprabhu, Sri Sankardev; *Sufism*- Nizam-ud-Din Aulia and Khwaja Moin-ud-Din Chisti; Regional Languages.

Chapter 7: The Vijayanagar Kingdom and the Bahmani Kingdoms.

Vijayanagar Kingdom -Sangam Dynasty, Saluva Dynasty, Taluva Dynasty (Administration, Social Conditions, Literature, Art).

The Bahmani Kingdom-Ala-ud-Din Bahman Shah, Mohammad Shah I, Mohammad Shah-II, Ahmad Shah, Mohammad Shah-III, Mahmud Shah; Social Conditions, Art and Learning.

Chapter 8: Financial Education. (*For internal assessment only*): Need and Sources of Borrowing; Role and Functions of the RBI.

Section - B: Civics

Chapter 4: The Central Government and The State Government.

The Central Government: The State List; The Union List; The Concurrent List; How Laws are Executed? The President; The Vice-President; The Council of Ministers; The Prime Minister; Cabinet; Civil Services.

The State Government – The Executive; The Governor; The Chief Minister; State Civil Services

Chapter 5: Judicial System of India.: The Offenders; Criminal and Civil Cases; the Supreme Court; High Courts; Subordinate Courts.

Chapter 6: Financial Education (*For internal assessment only*): Consumer Protection and Introduction to Banking

Section - C: Geography

Chapter 5: Life in the Tropical, Sub- Tropical Regions, Temperate Grasslands, Deserts: Life in the Tropical; Sub tropical Regions -The Amazon Basin; Life in the Sub tropical Regions -The Ganga-Brahmaputra Basin.; Life in the Temperate Grasslands – Grasslands, The Prairies and The Velds; Life in the Deserts - Hot Deserts and Cold Desert.

Chapter 6: Major Physical Divisions of India: Physical Features: Mountains-Himalayas, Plains- The Northern Fertile Plains; Deserts- Great Indian Desert; The Deccan Plateau; Coastal Plains.

Chapter 7: Meghalaya – An Overview: History; Geography; Climate; People and Languages; Occupation; Industries; Minerals; Power and Energy; Transportation and Polity.

Chapter 8: Managing Disasters: Consequences of Disasters; Disaster Preparedness; Natural Disaster - Earth quakes, Cyclones, Floods, Drought; Man-made Disaster- Nuclear Disaster, Traffic Accidents and Weapons of Mass-Destruction (WMD).

Chapter 9: Road Safety and Road Etiquettes: Need of Road Safety and Road Etiquettes.

Chapter 10: Financial Education (*For internal assessment only*): Banking: Types of Accounts and Banking: With New Technology.

Internal assessment: Three project activities are to be completed in each term, one from each section.

Suggested Project Activities for End Term

1. Create a timeline from Babur to Bahadur Shah Zafar.
2. Collect pictures of famous Mughal buildings and write an essay on them.
3. Role Play on Social Reformers.
4. Find out the list of Prime Ministers and Presidents of India from Independence till date and write the contribution on any one of them.
5. Create a Mind Map/Concept Map – Judicial System on District or High Court.
6. Draw a tactile chart on the important rivers of India and their tributaries.
7. Identify the different tourist spots in Meghalaya.
8. Create any puzzle map with suitable label and colours.

Note: Internal assessment of 20 marks shall be realized through the conduct of projects, minimum one from each sections-History, Civics and Geography for each term.

Textbook as prescribed by MBOSE:

- **Orchid Social Sciences- VII**

Published by- M/s Yogson International, H-159, Sector-12, Noida – 201301.

ENGLISH
CLASS VIII
Mid – Term
(Internal - 20 marks; External - 80 marks)

Pieces to be read:

A. Prose (20 marks)

1. The Tsunami
2. Glimpses of the Past - *S.D. Sawant*
3. Bepin Choudhury's Lapse of Memory - *Satyajit Ray*

B. Poetry (20 marks)

1. The Ant and the Cricket - *adapted from Aesop's Fables*
2. Geography Lesson - *Zulfikar Ghose*
3. The Last Bargain - *Rabindranath Tagore*

C. Supplementary Reader (10 marks)

1. How the Camel got his hump - *Rudyard Kipling*
2. Children at work - *Gita Wolf, Anushka Ravishankar, Orijit Sen*
3. The Selfish Giant - *Oscar Wilde*

D. Grammar and Composition (30 marks)

1. Comparison of Adjectives
2. Preposition used after Nouns
3. Vocabulary
4. Comprehension
5. Notice Writing (Long Composition)
6. Idiomatic Expressions

Textbooks as prescribed by MBOSE:

1. **Honeydew** - Textbook in English for Class VIII
NCERT (Meghalaya Edition)
Published by - M/S Students' Publication, Bara Bazar, Shillong – 793002
2. **It so happened** - Supplementary Reader in English for Class VIII
NCERT (Meghalaya Edition)
Published by - M/S Meghalaya Book Stall, Mawkhar Point, Iewduh, Shillong
3. **Graded English Grammar & Composition VIII**
M/S Avichal Publishing Company,
1002-1003, Faiz Road, Karol Bagh
New Delhi - 110005

ENGLISH
CLASS VIII
End – Term
(Internal - 20 marks; External - 80 marks)

Pieces to be read:

A. Prose (20 marks)

1. This is Jody's Fawn - *Marjorie Kinnan Rawlings*
2. A Visit to Cambridge - *Firdaus Kanga*
3. A Short Monsoon Diary – *Ruskin Bond*

B. Poetry (20 marks)

1. The School Boy - *William Blake*
2. On the Grasshopper and Cricket - *John Keats*

C. Supplementary Reader (10 marks)

1. The treasure within
2. Princess September - *Somerset Maugham*
3. Jalebis - *Ahmed Nadeem Qasmi*

D. Grammar and Composition (30 marks)

1. Comparison of Adverbs
2. Active and Passive Voice
3. Word Building
4. Comprehension
5. Diary Writing
6. Idiomatic Expressions

Textbooks as prescribed by MBOSE:

1. **Honeydew** - Textbook in English for Class VIII
NCERT (Meghalaya Edition)
Published by - M/S Students' Publication, Bara Bazar, Shillong – 793002
2. **It so happened** - Supplementary Reader in English for Class VIII
NCERT (Meghalaya Edition)
Published by - M/S Meghalaya Book Stall, Mawkhar Point, Iewduh, Shillong
3. **Graded English Grammar & Composition VIII**
M/S Avichal Publishing Company,
1002-1003, Faiz Road, Karol Bagh
New Delhi - 110005

KHASI (MIL)
CLASS VIII
Mid – Term
(Internal - 20 marks; External - 80 marks)

Pieces to be Read:

A. Ka Kot Pule Khasi Klas - 8

Prose

(25 marks)

1. Ka Bor jong ka Jingieit ri - *Miss A.S. Lyngwa*
2. Ki Syiem Khasi bad Synteng - *Dr. H. Lyngdoh*
3. Ka Behdiengkhlam ha Jowai - *Mr. H.O. Mawrie*
4. Ka Mrs. Sarojini Naidu - *Miss M. Khongwir*

Poitri

(15 marks)

1. ĩam Te Phin ĩam Marwei - *Mr. H.O. Mawrie*
2. Kiba Khraw Ki Sdang Na Kiba Rit - *Mr. F.M. Pugh*

B. Ki Dienjat Ha u Shyiap

(20 marks)

Rapid Reader

1. Sa shisien pat kin win ki khlaw

Ki Khanatang u Barim:

1. U Kyllang bad u Symper
2. U Sier Lapalang

K. Ka Jingsneng Tymmen Part I

(6 marks)

Chapter XI – XV

D. Hints on the Study of Khasi Language

(14 marks)

Grammar & Composition

1. The Adjectives
2. Ktien Kynnoh:
Ja - Jhur haduh Lynti bah – Lynti san

Internal Assessment

(20 marks)

Esse (Essay) writing, Letter Writing, Precis Writing, Creative Writing, Group Discussion, Debate, Extempore Speech, Translation of Passages.

Textbooks as prescribed by MBOSE:

1. **Ka Kot Pule Khasi Klas – 8**
Khasi Jaiñtia Presbyterian Assembly, Mission Compound, Shillong-793002
2. **Ki Dienjat ha u Shyiap**
Ri Khasi Publication, Mawkhar, Shillong – 793001
3. **Ki Khana tang U Barim**
Don Bosco Publication, Laitumkhrah, Shillong-793003
4. **Ka Jingsneng Tymmen Part-I**
Ri Khasi Press, Umsohsun, Shillong – 793001
5. **Hints on the Study of Khasi Language**
Ri Khasi Publication, Mawkhar, Shillong – 793001

Reference Book

- **Ka Kramar Khasi Kitab IV**
(KJWA Research Cell)
Ri Khasi Publications, Shillong

KHASI (MIL)
CLASS VIII
End – Term
(Internal - 20 marks; External - 80 marks)

Pieces to be Read:

A. Ka Kot Pule Khasi Klas - 8

Prose

(25 marks)

1. Ka Duriaw Mawlynnai - *Mr. W.G.B. Marweiñ*
2. Ka Leit Jingleit Duriaw u Columbus - *Mr. H.O. Mawrie*
3. Ka Jingbysuitñiew ia kiba rit - *Mr. S.A.M. Lyngdoh*
4. Ka Dorbar Hima ki Khasi - *Mr. Norman Singh Syiem*

Poitri

(15 marks)

1. Ka Lynti Sha Ka Jinglailuid - *Miss M. Khongwir*
2. Ki Sngi Barim u Ñi u Kong - *Mr. H.O. Mawrie*

B. Ki Dienjat Ha u Shyiap

(20 marks)

Rapid Reader

1. U Kpa ka saiñ Pyrthei ha Ri Khasi Jaiñtia

Ki Khanatang u Barim:

1. U Ramhah
2. Ka Kshaid Nohkalikai

K. Ka Jingsneng Tymmen Part I

(6 marks)

Chapter XVI – XX

**D. Hints on the study of Khasi Language
Grammar & Composition**

(14 marks)

1. The Adjectives
2. Ktien Kynnoh:
Madan - madiyah haduh Otdoh - otkah.

Internal Assessment

(20 marks)

Esse (Essay) writing, Letter Writing, Precis Writing, Creative Writing, Group Discussion, Debate, Extempore Speech, Translation of Passages.

Textbooks as prescribed by MBOSE:

1. Ka Kot Pule Khasi Klas – 8

Khasi Jaiñtia Presbyterian Assembly, Mission Compound, Shillong-793002

2. Ki Dienjat ha u Shyiap

Ri Khasi Publication, Mawkhar, Shillong – 793001

3. Ki Khana Tang U Barim

Don Bosco Publication, Laitumkhrah, Shillong-793003

4. Ka Jingsneng Tymmen Part-I

Ri Khasi Press, Umsohsun, Shillong – 793001

5. Hints on the Study of Khasi Language

Ri Khasi Publication, Mawkhar, Shillong – 793001

Reference Book

- **Ka Kramar Khasi Kitab IV**

(KJWA Research Cell)

Ri Khasi Publications, Shillong

GARO (MIL)
CLASS VIII
Mid – Term
(Internal - 20 marks; External - 80 marks)

Pieces to be read:

A. Prose (40 marks)

1. Do·baki Watre Momin – *L.R. Marak*
2. Atchiram Song – *L. D. Shira*
3. Mephibosheth – *L. M. Holbrook*, Sastroni Kattarang

B. Poetry (20 marks)

1. Bidan Chimik – *Surendra S. Marak*
2. Chakat Chadamberang – *L. R. Marak*

C. Grammar and Composition (10+10 marks)

1. Kattarangni Ma·arang
2. Sentenceni Ma·arang
3. Tense

Formal and Informal Letter Writing, Comprehension, Essay/ Story Writing, Aganme·apa, Katta·Ku·jikse and Dokbadale Seani, Katta Dingtanggrikan

Textbooks as prescribed by MBOSE:

1. Poraiani Ki·tap Class VIII

Unimind Publishing Group, Araimile, New Tura

2. A·chik Grammar - E. G. Phillips

3. A·chik Composition & Essay - K. M. Momin

GARO (MIL)
CLASS VIII
End – Term
(Internal - 20 marks; External - 80 marks)

Pieces to be read:

A. Prose (40 marks)

1. A·chik Oikor – *L. D. Shira*
2. A·chikrangni A·chik A·songona Re·ba Do·bachengani - *Dr. Milton S. Sangma*

B. Poetry (20 marks)

1. Miksongani – *Jonmoni D. Shira*
2. Ma·ani Ka·saa – *Herilla B. Sangma*
3. Me·mang A·song - *L. R. Marak*

C. Grammar and Composition (10+10 marks)

1. Phrase/Clause
2. Verbni Ma·arang/Participle/ Verbal Adjective/ Verbal Noun
3. Adverbni Ma·arang/ Tosusaani/Napsikgipa Adverb

Formal and Informal Letter Writing, Comprehension, Essay/ Story Writing, Aganme·apa, Katta-Ku·jikse and Dokbadale seani, Katta Dingtanggrikan

Textbooks as prescribed by MBOSE:

1. Poraiani Ki·tap Class VIII

Unimind Publishing Group, Araimile, New Tura

2. A·chik Grammar - E. G. Phillips

3. A·chik Composition & Essay - K. M. Momin

HINDI (MIL)
CLASS VIII
Mid – Term
(Internal - 20 marks; External - 80 marks)

Pieces to be read:

A. Prose (30 marks)

1. Delhi ki aap biti - *Bhagawalshran Upadhiya*
2. Rajendra babu - *Mahadevi Verma*
3. Desh bhakti-ek naitik gun - *Dr. Puranchand Tandan*
4. Premchand ke fate jute - *Harishankar Parshai*

B. Poetry (20 marks)

1. Ram aur Kevat - *Tulsi Das*
2. Basanti Hawa - *Kedarnath Agarwal*

C. Grammar (20 marks)

1. Vyakaran ke Prayojan
2. Varno ka Uchharan
3. Vartani ke Niyam
4. Sangya Karak
5. Sandhi

D. Composition (10 marks)

1. Anuched lekhan (Paragraph-writing)
2. Nibandh lekhan (Essay writing)

Textbooks as prescribed by MBOSE:

1. (i) Hindi Reader VIII: Pallav Pathmala

(ii) Hindi Workbook – VIII: Pallav Athyas

M/s Neeta Prakashan, A-4, Ring Road, South Extension – 1, New Delhi -110049

2. Together with Hindi – VIII

M/s Rachna Sagar Pvt. Ltd. 4583/15, Daryagunj, Delhi

3. (i) Learn Hindi- Learn Khasi (Dictionary)

(ii) Learn Hindi - Learn Garo (Dictionary)

M/s Gewali Publication, Upper Mawprem, Shillong – 2.

HINDI (MIL)
CLASS VIII
End – Term
(Internal - 20 marks; External - 80 marks)

Pieces to be read:

A. Prose

(30 marks)

1. Bhagat Singh ki Toli - *Ram Niranjan Sharma*
2. Hamara Swatantrata Sangram - *Dr. Alok Ranjan Pandey*
3. Aadarsh Mahila - Sita - *Dr. Puranchand Tandan*
4. Vaigyanik Chetna ke wahak – Bharatratna - *Dr. Chandrashekher Venkataraman - Dr. Puranchand Tandan.*

B. Poetry

(20 marks)

1. Krishna ki Chetavani - *Ramdhari Singh Dinkar*
2. Kaidi aur Kokila - *Makhanlal Chaturvedi*

C. Grammar

(20 marks)

1. Samas
2. Sudh - Asudh Vayak
3. Samanarthak Sabdh (Paryayvachi Sabdh)
4. Anek Sabdh ke liye ek sabdh
5. Lokoktiyan

D. Composition

(10 marks)

1. Anuched lekhan (Paragraph-writing)
2. Nibandh lekhan (Essay writing)

Textbooks as prescribed by MBOSE:

1. (i) Hindi Reader VIII: Pallav Pathmala

(ii) Hindi Workbook – VIII: Pallav Athyas

M/s Neeta Prakashan, A-4, Ring Road, South Extension – 1, New Delhi -110049

2. Together with Hindi – VIII

M/s Rachna Sagar Pvt. Ltd. 4583/15, Daryagunj, Delhi

3. (i) Learn Hindi- Learn Khasi (Dictionary)

(ii) Learn Hindi - Learn Garo (Dictionary)

M/s Gewali Publication, Upper Mawprem, Shillong – 2.

MATHEMATICS
CLASS VIII
Mid – Term
(Internal - 20 marks; External - 80 marks)

Weightage and Distribution of Marks for External Assessment (80 marks)

| Chapter | Contents | Marks |
|---------|------------------------------|-----------|
| 1 | Rational Numbers | 06 |
| 3 | Understanding Quadrilaterals | 14 |
| 4 | Data Handling | 13 |
| 5 | Squares and Square Roots | 16 |
| 7 | Comparing quantities | 15 |
| 12 | Factorisation | 16 |
| | Total marks | 80 |

Chapter 1: Rational Numbers (06 marks)

Properties of Rational Numbers - Closure Property, Commutative Property, Associative Property, Role of 0 (additive identity), Role of 1 (multiplicative identity), Distributivity of multiplication over addition of rational numbers.

Chapter 3: Understanding Quadrilaterals (14 marks)

Convex and Concave Polygons, Regular and Irregular Polygons, Measures of Exterior Angles of Polygon; Types of Quadrilaterals, Trapezium, Kite, Parallelogram, Angles and properties of parallelogram; Special parallelograms, Rhombus, Rectangle, Square.

Chapter 4: Data Handling (13 marks)

Graphical representation of data - Circle graph or pie chart; Chance and probability, Getting a result, Equally likely outcomes, Linking chances to probability, Outcomes as events, Chance and probability related to real life.

Chapter 5: Squares and Square Roots (16 marks)

Properties of square numbers; Patterns of numbers, Adding triangular numbers, Numbers between square numbers, Adding odd numbers, Sum of consecutive natural numbers, Product of two consecutive even or odd natural numbers; Square of number, Patterns in squares, Pythagorean triplets; Square roots by repeated subtraction, Square roots by prime factorization, Square roots by division method; Square roots of decimals.

Chapter 7: Comparing quantities (15 marks)

Ratios and Percentages; Discount, Estimation in percentages; Sale Tax/Value Added Tax/ Goods and Services Tax; Compound interest, Deducing formula for Compound Interest, Application of Compound Interest Formula.

Chapter 12: Factorisation (16 marks)

Factors of natural numbers and algebraic expressions; Methods of factorisation- common factors, regrouping terms, using identities, factors of the form $(x + a)(x + b)$; Division of Algebraic Expressions- Monomial by monomial, polynomial by monomial, polynomial by polynomial.

Weightage of marks for Internal Assessment**(20 marks)**

The internal assessment of 20 marks is to be awarded on the basis of the performance of a student in a variety of activities for continuous assessment. Suggested activities are Project Work/ Assignment, Oral/Mathematical Quiz, Mental Maths, Group/ Individual Activity, Written Test and many more.

Textbook as prescribed by MBOSE:**-Mathematics Class 8, NCERT (Meghalaya Edition)**

Published by- M/S Meghalaya Book Stall, Mawkhar Point, Iewduh, Shillong

MATHEMATICS
CLASS VIII
End – Term
(Internal - 20 marks; External - 80 marks)

Weightage and Distribution of Marks for External Assessment (80 marks)

| Chapter | Contents | Marks |
|--------------------|--------------------------------------|-----------|
| 2 | Linear Equations in one variable | 10 |
| 6 | Cubes and Cubes Roots | 08 |
| 8 | Algebraic Expressions and Identities | 16 |
| 9 | Mensuration | 16 |
| 10 | Exponents and Powers | 10 |
| 11 | Direct and Inverse Proportions | 12 |
| 13 | Introduction to Graphs | 08 |
| Total marks | | 80 |

Chapter 2: Linear Equations in one variable (10 marks)
 Algebraic expressions and equations, Equation having variable on both sides, Reducing equations.

Chapter 6: Cubes and Cubes Roots (08 marks)
 Perfect cubes or cube numbers, Adding consecutive odd numbers, Cubes and their prime factors, Smallest multiple which is perfect cube; Cube roots by prime factorisation.

Chapter 8: Algebraic Expressions and Identities (16 marks)
 Addition and Subtraction of algebraic expressions, Multiplication of algebraic expressions, Multiplying monomial by a monomial, Multiplying monomial by a polynomial, Multiplying a polynomial by a polynomial.

Chapter 9: Mensuration (16 marks)
 Area of a polygon, Aman’s method, Ridhima’s method; Solid shapes, Surface area of cube, Cuboid and cylinder; Volume and Capacity of cube, cuboid and cylinder.

Chapter 10: Exponents and Powers (10 marks)
 Powers with Negative Exponents, Laws of Exponents, Use of Exponents to express small numbers in standard form.

Chapter 11: Direct and Inverse Proportions (12 marks)
 Direct Proportion, Inverse Proportion.

Chapter 13: Introduction to Graphs (08 marks)
 A line graph- Linear, x- coordinate, y- coordinate; Application of line graph- Quantity and cost, Principal and simple interest, Time and distance.

Weightage of marks for Internal Assessment (20 marks)

The internal assessment of 20 marks is to be awarded on the basis of the performance of a student in a variety of activities for continuous assessment. Suggested activities are Project Work/ Assignment, Oral/Mathematical Quiz, Mental Maths, Group/ Individual Activity, Written Test and many more.

Textbook as prescribed by MBOSE:

- Mathematics Class 8, NCERT (Meghalaya Edition)

Published by- M/S Meghalaya Book Stall, Mawkhar Point, Iewduh, Shillong

SCIENCE
CLASS VIII
Mid – Term
(Internal - 20 marks; External - 80 marks)

Weightage and Distribution of Marks for External Assessment (80 marks)

| Chapter | Contents | Marks |
|--------------------|--------------------------------------|-----------|
| 1 | Crop Production and Management | 12 |
| 2 | Micro-organisms-Friend and Foe | 12 |
| 3 | Coal and Petroleum | 10 |
| 5 | Conservation of Plants and Animals | 12 |
| 8 | Force and Pressure | 14 |
| 9 | Friction | 10 |
| 11 | Chemical Effects of Electric Current | 10 |
| Total marks | | 80 |

Chapter 1: Crop Production and Management (12 marks)

Agricultural Practices; Basic Practices of Crop Production; Preparation of soil; Sowing; Adding Manure and Fertilizers; Irrigation; Protection from Weeds; Harvesting; Storage

Chapter 2: Micro-Organisms-Friend and Foe (12 marks)

Micro-organisms; Where do Micro-organisms Live; Micro-organisms and Us; Harmful Micro-organisms; Food Preservation; Nitrogen Fixation; Nitrogen Cycle

Chapter 3: Coal and Petroleum (10 marks)

Coal; Petroleum; Natural Gas; Some Natural Resources are Limited

Chapter 5: Conservation of Plants and Animals (12 marks)

Deforestation and its Causes; Consequences of Deforestation; Conservation of Forest and Wildlife; Biosphere Reserve; Flora and Fauna; Endemic Species; Wildlife Sanctuary; National Park; Red Data Book; Migration; Recycling of Paper; Reforestation

Chapter 8: Force and Pressure (14marks)

Force - A Push or a Pull; Forces are due to an Interaction; Exploring Forces; Force can change the State of Motion; Force can change the Shape of an Object; Contact Forces; Non-Contact Forces; Pressure; Pressure exerted by Liquids and Gases; Atmospheric Pressure

Chapter 9: Friction (10 marks)

Force of Friction; Factors affecting Friction; Friction: A necessary evil; Increasing and Reducing Friction; Wheels reduce Friction; Fluid Friction

Chapter 11: Chemical Effects of Electric Current (10 marks)

Do Liquids conduct Electricity; Chemical Effects of Electric Current; Electroplating

Weightage and Distribution of Marks for Internal Assessment: (20 marks)

| Sl. No. | Internal Assessment | Marks |
|--------------|---------------------|-----------|
| 1 | Project work | 5 |
| 2 | Practical work | 5 |
| 3 | Activity | 5 |
| 4 | Worksheet | 5 |
| Total | | 20 |

Section A: Suggestive Project Work (5 marks)

1. Imagine that friction suddenly vanishes. How life would be affected. List 5 (five) such situations.
2. To make a Kaleidoscope
3. Prepare a Chart/ Poster for nutritious items for Adolescence.
4. Make 3D models for different types of Micro-Organisms.
5. Study the Bio-diversity of a Garden/Park/Lake/Forest. Prepare a detailed report with photographs or sketches of the Flora and Fauna.

Section B: Suggestive Practical Work (5 marks)

1. To observe attraction and repulsion between two Magnets.
2. To show that Liquids exert equal Pressure at the same depth.
3. To show that air is necessary for burning through an experiment
4. To verify the evolution of CO₂ when yeast is added to water

Section C: Suggestive Activity Work (5 marks)

1. Make a list of 5 (five) familiar Musical Instruments and identify their vibrating parts. You can use the format below:

| Sl. No. | Name of Musical Instrument | Vibrating part producing Sound |
|---------|----------------------------|--------------------------------|
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |

2. Make a list of 5 (five) Exhaustible and 5 (five) In-exhaustible Natural Resources.
3. Choose any 5 (five) families of your neighborhood. Enquire whether their energy consumption (Coal, Gas, Electricity, Petrol, Kerosene, Firewood, Charcoal etc.) has increased or decreased in the last 5 (five) years. Enquire also about the measures they adopt to conserve energy.
4. List 5 (five) useful Organisms. State their usefulness in our daily life.
5. List any 5 (five) herbs that we eat. Find out about the medicinal importance of these Herbs.

Section D: Suggestive Work Sheets (5 marks)

1. Puzzles (page 15, 64, 77, 91)
2. Class Tests (Objective types questions and labelling of diagram)
3. Draw graph with given data (page 80, 81)

Note:

- 1. Students are to complete 1 (one) Project, 1 (one) practical work, 1 (one) activity and 1 (one) work sheet for each term.**
- 2. The teacher may use the above suggestive ideas or can used any relevant topics.**
- 3. The teacher may use a rubric as an assessment tool for the project work.**

Textbook as prescribed by MBOSE:

- Science Class 8, NCERT (Meghalaya Edition)

Published by- M/S Meghalaya Book Stall, Mawkhar Point, Iewduh, Shillong

SCIENCE
CLASS VIII
End – Term
(Internal - 20 marks; External - 80 marks)

Weightage and Distribution of Marks for External Assessment (80 marks)

| Chapter | Contents | Marks |
|--------------------|---------------------------------|-----------|
| 4 | Combustion and Flame | 12 |
| 6 | Reproduction in Animals | 16 |
| 7 | Reaching the Age of Adolescence | 14 |
| 10 | Sound | 11 |
| 12 | Some Natural Phenomena | 11 |
| 13 | Light | 16 |
| Total marks | | 80 |

Chapter 4: Combustion and Flame (12 marks)

Combustion; How to control fire; Types of Combustion; Flame; Structure of a Flame; Fuel; Fuel Efficiency

Chapter 6: Reproduction in Animals (16 marks)

Modes of Reproduction; Sexual Reproduction; Asexual Reproduction

Chapter 7: Reaching the Age of Adolescence (14 marks)

Adolescence and Puberty; Changes at Puberty; Secondary Sexual Characters; Role of Hormones in Initiating Reproductive Function; Reproductive Phase of Life in Humans; How the Sex of the Baby is determined; Hormones other than sex hormones; Role of hormones in completing the life history of insects and frogs; Reproductive Health

Chapter 10: Sound (11 marks)

Sound is produced by a vibrating body; Sound produced by Humans; Sound needs a Medium for propagation; We hear sound through our Ears; Amplitude, Time Period, Frequency of a Vibration; Audible and Inaudible Sounds; Noise and Music; Noise Pollution

Chapter 12: Some Natural Phenomena (11 marks)

Lightning; Charging by Rubbing; Types of Charges and their Interaction; Transfer of Charge; The Story of Lightning; Lightning Safety; Earthquakes

Chapter 13: Light (16 marks)

What makes Things Visible; Laws of Reflection; Regular and Diffused Reflection; Reflected Light can be Reflected again; Multiple Images; Sunlight- White or Coloured; What is inside our eyes; Care of the eyes; Visually impaired persons can read and write; What is the Braille System?

Weightage and Distribution of Marks for Internal Assessment: (20 marks)

| Sl. No. | Internal Assessment | Marks |
|--------------|---------------------|-----------|
| 1 | Project work | 5 |
| 2 | Practical work | 5 |
| 3 | Activity | 5 |
| 4 | Worksheet | 5 |
| Total | | 20 |

Section A: Suggestive Project Work (5 marks)

1. Imagine that friction suddenly vanishes. How life would be affected. List 5(five) such situations.
2. To make a Kaleidoscope
3. Prepare a Chart/ Poster for nutritious items for Adolescence.
4. Make 3D models for different types of Micro-Organisms.
5. Study the Bio-diversity of a Garden/Park/Lake/Forest. Prepare a detailed report with photographs or sketches of the Flora and Fauna.

Section B: Suggestive Practical Work (5 marks)

1. To observe attraction and repulsion between two Magnets.
2. To show that Liquids exert equal Pressure at the same depth.
3. To show that air is necessary for burning through an experiment
4. To verify the evolution of CO₂ when yeast is added to water

Section C: Suggestive Activity Work (5 marks)

1. Make a list of 5 (five) familiar Musical Instruments and identify their vibrating parts. You can use the format below:

| Sl. No. | Name of Musical Instrument | Vibrating part producing Sound |
|---------|----------------------------|--------------------------------|
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |

2. Make a list of 5 (five) Exhaustible and 5 (five) In-exhaustible Natural Resources.
3. Choose any 5 (five) families of your neighborhood. Enquire whether their energy consumption (Coal, Gas, Electricity, Petrol, Kerosene, Firewood, Charcoal etc.) has increased or decreased in the last 5 (five) years. Enquire also about the measures they adopt to conserve energy.
4. List 5 (five) useful Organisms. State their usefulness in our daily life.
5. List any 5 (five) herbs that we eat. Find out about the medicinal importance of these Herbs.

Section D: Suggestive Work Sheets (5 marks)

1. Puzzles (page 15, 64, 77, 91)
2. Class Tests (Objective types questions and labelling of diagram)
3. Draw graph with given data (page 80, 81)

Note:

- 1. Students are to complete 1 (one) Project, 1 (one) practical work, 1 (one) activity and 1 (one) work sheet for each term.**
- 2. The teacher may use the above suggestive ideas or can used any relevant topics.**
- 3. The teacher may use a rubric as an assessment tool for the project work.**

Textbook as prescribed by MBOSE:

- Science Class 8, NCERT (Meghalaya Edition)

Published by- M/S Meghalaya Book Stall, Mawkhar Point, Iewduh, Shillong.

SOCIAL SCIENCE
CLASS VIII
Mid – Term
(Internal - 20 marks; External - 80 marks)

Course Structure

| Sl. No. | Sections | Internal Assessment through project activities | External Assessment |
|---------|--------------|--|---------------------|
| 1 | History | 7 marks | 30 marks |
| 2 | Civics | 6 marks | 20 marks |
| 3 | Geography | 7 marks | 30 marks |
| | Total | 20 marks | 80 marks |

Section - A: History

Chapter 1: The Modern Period: Importance of Dates in History; Which Dates? Periods in History; Was the Modern Period Really Modern? What is Colonial? Time in History; Interpretations in History; Source of this Period; Use of Archive; Whether India have Archives in Pre-Colonial Rule? Sources of Colonial Period- Administrative Records, Survey Reports, Indigenous Records.

Chapter 2: The Expansion of British Power: Arrival of Trading Companies; Trade Rivalry; Anglo-French Rivalry, The British in Bengal-Battle of Plassey, Bengal after Plassey, Battle of Buxar (1764); Bengal after Buxar; Growth of British Influence-Wars with Mysore, War with the Marathas-The First Anglo-Maratha War, The Second Anglo- Maratha War, The Third Anglo-Maratha War (1817-19).

Expansion Under Lord Wellesley (1798-1805): Subsidiary Alliances, British Paramountcy; British Expansion (1805-48), Annexation of Punjab; Expansion Under Lord Dalhousie (1848-56); Structure of Administration, Civil Service, The Company Army, Police, Judiciary.

Chapter 3: The Great Uprising: People’s Anger, Causes of the Uprising; Beginning of the Uprising-The Spread of Rebellion; Suppression of the Uprising; Causes of Failure of the Uprising; Nature of the Uprising; After the Uprising; Changes in the Army.

Chapter 4: Life in the Rural Areas: Colonial Agrarian Policies; Impact of the Land Settlements.

Section - B: Civics

Chapter 1: The Constitution and the Need for Laws: Constitution; Importance of Constitution; Need for Laws.

Chapter 2: Ideals of Our Constitution: The Constitution of India; Features of our Constitution; Fundamental Rights; Directive Principles of State Policy; Fundamental Duties

Chapter 3: The Parliamentary System: Reasons for Opting the Parliamentary System of Government in India; Parliament-Lok Sabha (Composition, Eligibility, term of Office, Procedure

for Election); Speaker of Lok Sabha; Rajya Sabha- (Composition, Eligibility, Election, Term of Office); Chairman of Rajya Sabha; The Parliament in Session; Functions of Parliament Introduction to New Laws; Financial Control over the Government's Income; From Bill to Law- First Reading, Second Reading, Third Reading; Joint Sitting; Money Bill; The President of India- Eligibility, Election of the President, Tenure, Powers and Functions of the President- Executive Powers, Judicial Powers, Discretionary Powers, Case Study; The Prime Minister of India-Council of Ministers, Term of Office, Position and Powers of the Prime Minister of India, Distinction between Cabinet and Council of Ministers, Functions of the Cabinet; The Prime Minister and the President.

Section - C: Geography

Chapter 1: Resources: Resources: Value of Resources; Types of Resources- Natural Resources: Classification of Resources-On the Basis of Origin, On the Basis of Development, On the Basis of Renewability, On the basis of Distribution; Human Made Resources, Human Resources Conservation of Resources- Sustainable Development.

Chapter 2: Land, Soil and Water: Land Resource- Land Use; Factors Affecting Land Use; Types of Land Based on Ownership; Changes in Land Use, Conservation of Land. Soil Resources; Soil Formation; Factors Responsible for Soil Formation; Soil Profile; Types of Soils in India; Soil Erosion- Causes of Soil erosion; Conservation of Soil. Water Resources: Characteristics of Water; Distribution; Water Cycle.

Chapter 3: Natural Vegetation and Wildlife

Distribution of Natural Vegetation: Forests, Grasslands- Characteristics; Shrubs; Advantages of Natural Vegetation; Conservation of Natural Vegetation.

Wildlife Distribution: Wildlife in Africa; Wildlife in Asia; Wildlife in Australia; Wildlife in Europe; Wildlife in North America; Wildlife in South America; Conservation and Advantages of Wildlife; CITES.

Chapter 4: Minerals and Power Resources: Minerals: Types of Minerals; Extraction of Minerals; Distribution of Minerals; Use of Minerals; Power Resources - Conventional Source of Energy and Non - Conventional Sources of Energy; Conservation of Mineral and Power Resources.

Internal assessment: Three project activities are to be completed in each term, one from each section.

Suggested Project Activities for Mid-Term

1. Create a timeline of the expansion of British power in India from the 18th-19th century.
2. Role Play on Mangal Pandey and his contribution to the uprising of 1857.
3. Create a concept map showing the structure of the Indian Constitution (include the following – Preamble and key features of the Constitution)
4. Suggest ways and measures to bring about sustainable development in your locality. (Highlighting the principles of the three R's.)
5. Make a mini postal slogan by including caption on the principles of three R's.
6. Draw the map of India and mark the areas covered by the following soil categories:
 - a) Black soil
 - b) Laterite soil

Note: Internal assessment of 20 marks shall be realized through the conduct of projects, minimum one from each sections-History, Civics and Geography for each term.

Textbook as prescribed by MBOSE:

- **Orchid Social Sciences- VIII**

Published by- M/s Yogson International, H-159, Sector-12, Noida – 201301.

SOCIAL SCIENCE
CLASS VIII
End – Term
(Internal - 20 marks; External - 80 marks)

Course Structure

| Sl. No. | Sections | Internal Assessment through project activities | External Assessment |
|---------|--------------|--|---------------------|
| 1 | History | 7 marks | 30 marks |
| 2 | Civics | 6 marks | 20 marks |
| 3 | Geography | 7 marks | 30 marks |
| | Total | 20 marks | 80 marks |

Section - A: History

Chapter 5: Reforms in Indian Society: Condition of Women; Caste-Ridden Society; Some Eminent Social Reformers- Raja Rammohun Roy and Brahma Samaj, Ishwar Chandra Vidyasagar, Henry Louis Vivian Derozio, Debendranath Tagore, Keshab Chandra Sen; Reform Movements in Western India; Reform Movement in Southern India-Veda Samaj, Sri Narayan Guru, E.V. Ramaswamy Naicker (Periyar), Swami Dayananda Saraswati, Ramkrishna Paramhansa and Swami Vivekananda; Women’s Initiative for the Cause of Women; Muslim Reform Movements; Reform Movements among Parsis and Sikhs; Other Reform Movements- The Theosophical Society; Jains; Mahatma Gandhi; Bhim Rao Ambedkar; Changes Brought to Society.

Chapter 6: Indian National Movement: (First Phase): Rise of Nationalism; The Moderates Phase, British Attitude towards the Congress; The Radical Phase; Differences between the Moderates and Extremists; Partition of Bengal (1905); The Swadeshi and Boycott movements; Split in Indian National Congress (1907); Minto- Morley Reforms of 1909; Revolutionary Movement: The First Phase.

The National Movement (Second Phase): Emergence of Mahatma Gandhi- Gandhi Return to India (1914); Gandhi’s Ideology; Early Campaigns of Gandhi; Montague- Chelmsford Reforms (1919); Home Rule Movement; The Rowlatt Act (1919); Jallianwala Bagh Massacre; Khilafat Movement (1920); Non-Cooperation Movement (1920-22)-Start of the Movement, Constructive Programme, Withdrawal of the Movement.

Non-Cooperation to Civil Disobedience Movement (1922-30)- *(For Internal Assessment Only)* Mobilization of the Peasants Revolutionary Movement-The Second Phase; Simon Commission (1927); Purna Swaraj Resolution.

Civil Disobedience Movement (1930-34)- Dandi March; First Round Table Conference (1930), Gandhi - Irwin Pact (1931); Second Round Table Conference (1931); Third Round Table Conference (1932); Resumption of the Movement.

Civil Disobedience to Quit India Movement (1934-42)-Government of India Act of 1935; Quit India Movement (1942); Azad Hind Fauj (Indian National Army); Towards Independence and Partition

Chapter 7: India After Independence: Integration of the Princely States; Rehabilitation of the Refugees; Solving the Economic Difficulties; Framing a Constitution; Planning for Development; An Independent Foreign Policy, Non-Alignment, India On The Move; Success; Challenges Ahead.

Chapter 8: Financial Education (*For internal assessment only*): Introduction to Insurance, Types of Insurance

Section - B: Civics

Chapter 4: The Judiciary: Importance of Judiciary; Need for Independent Judiciary; The Supreme Court-Composition, Appointment, Tenure and Removal of Judges, Jurisdiction, Judicial Review; The High Court-Composition, Appointment, Eligibility, Powers and Functions of High Court, Jurisdiction, Advocate General; Subordinate Courts, Types of Subordinate Courts, Lok Adalat;

Chapter 5: Marginalisation and Social Justice: Causes of Marginalisation; Effects of Marginalization; Scheduled Castes (SCs)- Steps for their Upliftment; Scheduled Tribes (STs)- Tribal Society, Religious Belief, Languages, Stereotyping of Tribes in India, Status of STs, Steps taken for their Upliftment; Other backward Classes (OBCs); Minorities Other Marginalized Groups, Women- Measures Taken for their Upliftment; Children-Steps taken for their Upliftment; Social Inequality and Economic Status, Reservation.

Chapter 6: Government for Development: Five- Year Plans; NITI Aayog; Agriculture; Increase in Agricultural Production; Green Revolution; Industries; Industrial Growth; Cottage Industries; Small- Scale Industries; Public and Private Sectors; Transportation- Roadways, NHAI, Railways, Ports, Aviation; Telecommunication; Social Sector- Education, Sanitation Water, Health, Employment, Housing, Rural Development; Social Challenges.

Chapter 7: Financial Education (*For internal assessment only*): Types of Banks and Tax.

Section - C: Geography

Chapter 5: Major Crops and Agriculture Development: Major Crops: Cereals-Rice, Wheat, Maize, Millets, Pulses; Cash Crops- Sugarcane, Cotton, Jute; Beverages- Tea, Coffee

Chapter 6: Manufacturing Industries: Industries- Classification of Industries- On the Basis of Raw Materials, On the Basis of Size, On the Basis of Ownership.

Distribution of Major Industries in the World: Iron and Steel Industry; Cotton Textile Industry; Information Technology (IT) Industry.

Chapter 7: Meghalaya-An Overview: Introduction; Location; Climate; Population; Economy; Food; Art and Culture; Forest Resources; Animals and Birds; Reptiles and Fishes; Administrative Divisions.

Chapter 8: Natural and Man-Made Disasters: Introduction; Natural Disasters and Natural Hazards: Natural Disasters-Earthquakes: Elements at Risk, Typical Effects of Earthquake, Causes of Earthquakes, Where do Earthquakes Occur? Detecting Earthquakes, Prediction and

Control of Earthquake, Major Mitigation Strategies to Reduce the Impact of Earthquake; Landslides, Onset, Type and Warning, Elements at Risk (Vulnerability Factors or Elements), Typical Effects (Ill Effects) of Landslides, Major Mitigation Strategies (Measure to Reduce the Ill Effects of Landslides); Floods, Onset, Type and Warning, Elements at Risk of Floods (Vulnerable Elements), Typical Effects of Floods (Ill Effects of Floods), Major Mitigation Strategies (Measures to Reduce the Impact/Ill-Effects of Floods);

Man- Made Disasters; Fires, Extent of Fires, Causes of Fires, Safety Measures for Fire Prevention in Home, Other Measures; Accidents - Road Accidents, Safety Measures- Safety Measures to be adopted while travelling in an aircraft; Rail Accidents; Epidemic- Onset and Warning, Outbreak of an Epidemic, Elements at Risk in an Epidemic:H3, Risk Reduction; Measures of an Epidemic

Chapter 9: Road Accidents: Causes, Prevention and First Aid

Chapter 10: Financial Education (*For internal assessment only*): Part I: Money in & Money Out Part II: Demand Draft (DD)/ Payment Order

Internal assessment: Three project activities are to be completed in each term, one from each section.

Suggested Project Activities for End-Term.

1. Create a poster/collage of leaders and events of the first and second phase of the Indian National Movement.
2. Role play on any leader explaining their role in the Indian National Movement.
3. Group discussion on relevance or importance of Gender equality in Indian society with special reference to the role of women in Meghalaya.
4. Collect newspaper articles, news clippings, pictures etc. highlighting the prevalence of discrimination against the marginalized sections of Indian society, (With reference to the discrimination of people from the North-east in mainland India.
5. Create a photo essay of forest resources found in Meghalaya.
6. Create a poster on traditional dances of the Hills tribes in Meghalaya.
7. Identify, paste pictures on cash crops and write an explanation on each.

Note: Internal assessment of 20 marks shall be realized through the conduct of projects, minimum one from each sections-History, Civics and Geography for each term.

Textbook as prescribed by MBOSE:

- Orchid Social Sciences- VIII

Published by- M/s Yogson International, H-159, Sector-12, Noida – 201301.

ENGLISH
CLASS IX
(Internal - 20 marks; External - 80 marks)

Distribution of Marks for External Assessment

| | |
|-----------------------|-----------------|
| Prose | 25 marks |
| Poetry | 15 marks |
| Supplementary Reader | 10 marks |
| Grammar & Composition | 30 marks |
| Total | 80 marks |

Activities for Internal Assessment

1. Excursions: To a nearby place of interest, such as museums, zoos, institutions for the differently abled, etc. and to write a brief report.
2. Role Playing: Mock interview of any characters from the lessons prescribed.
3. Review on Books/Movies: On any topic e. g. wars, differently abled persons, sports personalities, patriots etc.
4. Compose poems on any topic.

Marking for Internal Assessment

| | |
|----------------------|-----------------|
| Listening Skills | 5 |
| Speaking Skills | 5 |
| Writing Skills | 5 |
| Miscellaneous Skills | 5 |
| Total | 20 marks |

Pieces to be read:

A. Prose

1. The Sound of Music
 - i. Evelyn Glennie - *Deborah Cowley*
 - ii. Bismillah Khan
2. The Little Girl - *Katherine Mansfield*
3. A Truly Beautiful Mind
4. The Snake and the Mirror - *Vaikom Muhammad Basheer*
5. My Childhood - *A.P.J. Abdul Kalam*
6. Reach for the Top
 - i. Santosh Yadav

B. Poetry

1. The Road Not Taken - *Robert Frost*
2. Wind - *Subramania Bharati*
3. The Lake Isle of Innisfree - *William Butler Yeats*
4. No Men Are Foreign - *James Kirkup*
5. On Killing a Tree - *Gieve Patel*

C. Supplementary Reader

1. The Adventures of Toto - *Ruskin Bond*
2. Iswaran the Storyteller - *R.K. Laxman*
3. The Happy Prince - *Oscar Wilde*
4. A House Is Not a Home - *Zan Gaudio*
5. The Beggar - *Anton Chekhov*

D. Grammar and Composition

1. Comprehension – (a) Conceptual
(b) Analytical
2. Tenses
3. Modals
4. Active and Passive Voice
5. Determiners
6. Preposition
7. Gap Filling
8. Error, Omission
9. Sentence Reordering
10. Word- Sentence making
11. Letter Writing (Formal and Informal)
12. Article Writing
13. Paragraph Writing (Pie-charts, Histogram etc.)
14. Story Writing
15. Idioms and Phrases
16. Reported Speech

Textbooks as prescribed by MBOSE:

- 1. English Reader 9** - Textbook in English for Class IX
NCERT (Meghalaya Edition)
Published by - M/S Meghalaya Book Stall, Mawkhar Point, Iewduh, Shillong
- 2. Moments** - Supplementary Reader in English for Class IX
NCERT (Meghalaya Edition)
Published by - M/S Students' Publication, Bara Bazar, Shillong – 793002
- 3. Functional English Grammar & Composition (Class IX & X)**
M/S Laxmi Publications Pvt. Ltd., Hemson Complex,
M. D. Shah Road, Paltan Bazar,
Guwahati - 781008

KHASI (MIL)
CLASS IX
(Internal - 20 marks; External - 80 marks)

Distribution of Marks for External Assessment

| | |
|-----------------------|-----------------|
| Prose | 24 marks |
| Poitri | 14 marks |
| Rapid Reader | 14 marks |
| Grammar & Composition | 28 marks |
| Total | 80 marks |

Marking for Internal Assessment

| | |
|---|-----------------|
| 1. Poitri – Text - Ka Duitara Ksiar - <i>U Soso Tham</i> Recitation Individual poetry writing | 6 marks |
| 2. Prose-Text- (i) Ki Dienjat Jong Ki Longshuwa- <i>Fr. J. Bacchiarello</i> (ii) Ki Phawer U Aesop – <i>Soso Tham</i> (iii) Ka Jingsneng Tymmen - Part I – <i>Radhon Sing Berry</i> Poster Designing, Story writing, Extempore, Elocution, Study Tour, Social Activities on any related topics, One act play. | 10 marks |
| 3. Rapid Reader – Text - Na Mihngi Sepngi - <i>Fr. H. Elias</i> Take photographs related to topics, Study Tour, Designing Greeting Cards on related topics. | 2 marks |
| 4. Grammar & Composition – Text - Hints on the Study of Khasi Language - <i>D. Nissor Sing Wahlang</i> Paste collection of pictures depicting the different kinds of Pronoun | 2 marks |
| <i>N.B: Scrap book on any activities done and cover will add to the weightage of marks</i> | |
| Total marks | 20 marks |

Pieces to be read:

A. Prose

1. Ka Jingiasiatthong
2. Ka Mei Ramew Bad Ki Laiphew Jynthaw
3. Ki Samla Bad Ki Drok

B. Poitri

1. U Khlur
2. Ki Khun Ka Mariang
3. Ki Saw Aïom
4. U Lok Shisha

K. Ki Phawer U Aesop

Lynnong: 31-40

D. Ka Jingsneng Tymmen (Part – I)

Lynnong: 21-30

E. Rapid Reader

1. Ka Jingrep Slasha
2. Ka Unibersiti Barim Ka Ri India
3. Ka Jingsngewtynnad Ka Jingpulekot

G. Grammar, Composition & Essay

1. The Pronouns
 - a. The Personal Pronoun
 - b. The Reflexive Pronoun
 - c. The Relative Pronoun
The Compound Relative Pronoun
 - d. The Interrogative Pronoun
 - e. The Demonstrative Pronoun
 - f. The Indefinite Pronoun
 - g. The Distributive Pronoun
Syntactical Rules on the Pronouns of Different Persons
2. Adverbs and words with which they are used.
From Alphabet 'A' to 'L' – Page 70 to 76
3. Essay
4. Precis Writing

Textbooks as prescribed by MBOSE:

1. Prose

- Ki Dienjat Jong Ki Longshuwa - *Rev. Fr. J. Bacchiarello, S.D.B*
- Ki Phawer U Aesop – *Soso Tham*
- Ka Jingsneng Tymmen (Part-I) – *Radhon Sing Berry*

2. Poitri

- Ka Duitara Ksiar – *Soso Tham*

3. Rapid Reader

- Na Mihngi Sepngi - *H. Elias*

4. Grammar & Composition

- Hints on the Study of Khasi Language
Ri Khasi Publication, Mawkhar, Shillong-793001.

GARO (MIL)
CLASS IX
(Internal - 20 marks; External - 80 marks)

Distribution of Marks for External Assessment

| | |
|----------------------|-----------|
| Prose | 25 |
| Poetry | 18 |
| Rapid Reader | 10 |
| Grammar | 10 |
| Composition | 7 |
| Essay/ Comprehension | 10 |
| Total marks | 80 |

Marking for Internal Assessment

| | |
|--|-----------|
| 1. Writing skills: story writing, picture composition, Life of the poet or author | 10 |
| 2. Listening & Reading: Reading, Spelling & Dictations, Phonetics | 5 |
| 3. Creativity: Extempore, slogan writing, chart making base on the lesson, Group discussions | 5 |
| Total marks | 20 |

Pieces to be read:

A. Prose

1. Capt. Williamson A.Sangma – *Mary Celina A. Sangma*
2. Ta:sek Wari – *John P. Marak*
3. A:chikrangni Kal:susaanirang – *Tharsush K. Sangma*
4. Lindrid D.Shirani Janggi Tangani – *Venibabe N. Sangma*
5. A:chikrangni Ganding Chinding aro Gipin Patanirang – *Llewellyn R. Marak*

B. Poetry

1. A:chik A:song – *Harendra W. Marak*
2. A:gilsak Dal:begipa Alda Nok – *Jarongpang Rongmuthu*
3. Nokgipani Pattia – *Phoebe W. Momin*
4. A:songtangna Sintea – *Surendra S. Marak*
5. Somoi aro Kam – *Bemfield K. Marak*

C. Rapid Reader

Veniceni Badinggipa by *Mackenson Rongmuthu* (whole book)

D. Grammar & Composition

1. Sentence
2. Subject aro Predicate
3. Noun, Pronoun, Verb
4. Subject Noun, Predicate Verb aro Object
5. Talatgipa Kattarang – Adjective, Adverb
6. Preposition, Conjunction aro Interjection
7. Sentenceni Ma.arang

Bak - III

Kattarang (Ma.arang aro Bimungrang)

1. Kattarangni Ma.arang
2. Noun: Ma.arang, Person, Number, Gender aro Case
3. Sentenceo Caserangni Kam
4. Pronoun – Ma.arang, Person, Number, Gender aro Case

Bak - IV

Punctuation aro Punctuation Ka:ani Niamrang

Composition:

Formal and Informal Letter writing, Comprehension, Essay/Story writing, Aganme:apa, Katta Ku:jikse, Dokbadale Seani, Katta Dingtangrikani

Textbooks as prescribed by MBOSE:

1. **Poraiani Ki-tap IX**
Tura Book Room, West Garo Hills
2. **A:chik Grammar** - E. G. Phillips
3. **A:chik Composition** - K. M. Momin
4. **Veniceni Badinggipa** - Mackenson Rongmuthu

HINDI (MIL)
CLASS IX
(Internal - 20 marks; External - 80 marks)

Distribution of Marks for External Assessment

| | |
|--------------------------|-----------|
| Prose | 20 |
| Poetry | 20 |
| Rapid Reader | 15 |
| Grammar | 17 |
| Composition (a) Essay | 08 |
| Total marks | 80 |

Marking for Internal Assessment

| | |
|---|-----------|
| 1.Home assignment (Life history of any writer) in own handwriting | 7 |
| 2.Dictation | 4 |
| 3.Reading | 4 |
| 4.Spelling | 5 |
| Total marks | 20 |

Pieces to be Read

A. Prose

1. Mantra-Tantra - *Hajari Prasad Dwebedi*
2. Pashchatap - *Premchand*
3. Dr. Bhim Rao Ambedkar - *Niranjana Kr. Singh*
4. Kitna Badla Mera Gaon - *Mansingh Verma*

B. Poetry

1. Hamen Sirjan Ki Shakti Dena - *Mansingh Verma*
2. Dekho Kitni Pyari Maa - *Ram Gopal Bharatiya*
3. Jhansi Ki Rani - *Ramdhari Singh Dinkar*
4. Doha-Ekadash - *Kabir Rahim*

C. Rapid Reader

1. Gillu – Maha Devi Varma
2. Smiriti – Shri. Ram Sharma
3. Hamid Khan – S.K. Pottekat

D. Grammar & Composition

1. Varna – Vichar
2. Vartani
3. Sandhi-Swar Sandhiya
4. Sabdo Ke Bhed
5. Padh Vichar Aur Un Palo Ke Bhed (A)
6. Ling Aur Bachan
7. Karak Aur Ruprachana

8. Samas (A)
9. Upasarga; Pratyay
10. Sabdh Rachana
11. Vakya, Upvakya Aur Unke Bhed
12. Vakya-Parivartan
13. Viramchinha
14. Lokoktiya

Composition

1. Patra Lekhan (letter – writing)
2. Nibandh Lekhan (essay) (Hamare Gaon - Sainik Ki Atma Katha)

Textbooks as prescribed by MBOSE

1. Deepshika Hindi Textbook (Class IX-X)

Arya Publishing Company, 1002-1003, Faiz Road, Karol Bagh, New Delhi- 110005.

2. Bhasha Vyakaran IX & X

Neeta Prakashan, A-4, Ring Road, South Extension-1, New Delhi-110049

3. (i) Learn Hindi- Learn Khasi (Dictionary)

(ii) **Learn Hindi- Learn Garo (Dictionary)**

M/S Gewali Publication, Upper Mawprem, Shillong-2.

4. Sanchayan (NCERT) Part-I

MATHEMATICS
CLASS IX

(Internal - 20 marks; External - 80 marks)

Weightage and Distribution of Marks for External Assessment (80 marks)

| Chapter | Contents | Marks |
|---------|-----------------------------------|-----------|
| 1 | Number Systems | 06 |
| 2 | Polynomials | 10 |
| 3 | Coordinate Geometry | 05 |
| 4 | Linear Equations in two variables | 05 |
| 5 | Introduction to Euclid's Geometry | 05 |
| 6 | Lines and Angles | 05 |
| 7 | Triangles | 08 |
| 8 | Quadrilaterals | 06 |
| 9 | Circles | 10 |
| 10 | Heron's Formula | 05 |
| 11 | Surface Areas and Volumes | 10 |
| 12 | Statistics | 05 |
| | Total marks | 80 |

Chapter 1: Number Systems (06 marks)

Concept of rational and irrational numbers; Real numbers and their Decimal Expansions, Operations on real numbers, Laws of exponents for real numbers.

Chapter 2: Polynomials (10 marks)

Polynomials in One variable-term, Coefficient, Degree of polynomial, Zero polynomial, Linear Polynomial, Quadratic Polynomial and Cubic Polynomial; Zeroes of a Polynomial; Factorisation of Polynomials-Factor Theorem; Algebraic Identities.

Chapter 3: Coordinate Geometry (05 marks)

Basic Concept of Coordinate Geometry; Cartesian System- Coordinate plane and Axes, Origin, Abscissa and Ordinate, Quadrants.

Chapter 4: Linear Equations in two variables (05 marks)

Linear Equations, Solution of a Linear Equation.

Chapter 5: Introduction to Euclid's Geometry (05 marks)

Introduction, Euclid's definitions, Axioms and Postulates.

Chapter 6: Lines and Angles (05 marks)

Basic Terms and Definitions; Intersecting and non-intersecting lines, Pairs of Angles-Axioms and Theorem; Lines Parallel to the same line.

Chapter 7: Triangles (08 marks)

Congruence of Triangles; Criteria for Congruence of Triangles- SAS, ASA, AAS, SSS, RHS.

Chapter 8: Quadrilaterals (06 marks)

Parallelogram- Properties and Theorems; Mid-point Theorem.

Chapter 9: Circles**(10 marks)**

Angle Subtended by a Chord at a point, Perpendicular from the Centre to a Chord, Equal Chords and their Distances from the Centre, Angle Subtended by an Arc of a Circle, Cyclic Quadrilaterals.

Chapter 10: Heron's Formula**(05 marks)**

Area of a Triangle- by Heron's Formula $\text{Area of a triangle} = \sqrt{s(s-a)(s-b)(s-c)}$
where a, b, c are sides of a Triangle and $s = \frac{a+b+c}{2}$

Chapter 11: Surface Areas and Volumes**(10 marks)**

Total Surface Area and Curved Surface Area of a Right Circular Cone, Sphere and Hemisphere; Volume of a Right Circular Cone, Sphere and Hemisphere.

Chapter 12: Statistics**(05 marks)**

Graphical Representation of Data- Bar Graph, Histogram, Frequency Polygon.

Weightage of marks for Internal Assessment**(20 marks)**

The internal assessment of 20 marks is to be awarded on the basis of the performance of a student in a variety of activities for continuous assessment. Suggested activities are Project Work/ Assignment, Oral Questions/ Mathematical Quiz, Mental Maths, Group Discussion & Presentation and many more.

Textbook as prescribed by MBOSE:

- **Mathematics Class 9, NCERT (Meghalaya Edition)**
Published by- M/S Meghalaya Book Stall, Mawkhar Point, Iewduh, Shillong

**SCIENCE
CLASS IX**

(Internal - 20 marks; External - 80 marks)

Weightage and Distribution of Marks for External Assessment (80 marks)

| Chapter | Contents | Marks |
|--------------------|-------------------------------|--------------|
| 1 | Matter in our Surroundings | 4 |
| 2 | Matter around us is Pure | 5 |
| 3 | Atoms and Molecules | 9 |
| 4 | Structure of the Atom | 9 |
| 5 | The Fundamental Unit of Life | 5 |
| 6 | Tissues | 9 |
| 7 | Motion | 6 |
| 8 | Force and Laws of Motion | 6 |
| 9 | Gravitation | 7 |
| 10 | Work and Energy | 7 |
| 11 | Sound | 7 |
| 12 | Improvement in Food Resources | 6 |
| Total marks | | 80 |

Chapter 1: Matter in our Surroundings (4 marks)

Physical Nature of Matter; Characteristics of Particles of Matter; States of Matter; Can Matter change its State?; Evaporation

Chapter 2: Matter around us is Pure (5 marks)

Mixture; Solution; Physical and Chemical Changes; Types of Pure Substances

Chapter 3: Atoms and Molecules (9 marks)

Laws of Chemical Combination; Atom; Molecule; Writing Chemical Formulae; Molecular Mass

Chapter 4: Structure of the Atom (9 marks)

Charged Particles in Matter; The Structure of an Atom; Electron Distribution in different Orbits; Valency; Atomic Number and Mass Number; Isotopes

Chapter 5: The Fundamental Unit of Life (5 marks)

What are Living Organisms made up of; What is a Cell made up of? Structural Organization of a Cell;

Chapter 6: Tissues (9 marks)

Plants and Animals made up of same types of Tissues; Plant Tissues; Animal Tissues

Chapter 7: Motion (6 marks)

Describing Motion; Measuring the Rate of Motion; Rate of Change of Velocity; Graphical representation of Motion; Equations of Motion; Uniform Circular Motion

Chapter 8: Force and Laws of Motion (6 marks)

Balanced and Un- balanced forces; First law of motion; Inertia and Mass; Second Law of Motion; Third Law of Motion

Chapter 9: Gravitation (7 marks)

Gravitation; Free fall; Mass; Weight; Thrust and Pressure; Archimedes' Principle

Chapter 10: Work and Energy (7 marks)

Work; Energy; Rate of doing Work

Chapter 11: Sound (7 marks)

Production of Sound; Propagation of Sound; Reflection of Sound; Range of Hearing; Applications of Ultrasound

Chapter 12: Improvement in Food Resources (6 marks)

Improvement in Crop yields; Animal Husbandry

Internal Assessment (20 marks)

Project/Practical:

The following are the suggestive activities as per the section given.

Section A

1. To study the variation in time period of a simple pendulum with length and to plot L-T graph.
2. Determine the value of acceleration due to gravity using simple pendulum.
3. To verify Archimedes' Principle.
4. Using a coin, stiff card, glass tumbler, perform an activity to demonstrate inertia.

Section B

1. To study the main parts of a Compound Microscope
2. To study the different types of animal tissues and state their salient features.
3. To study the different types of plant tissues and state their salient features.
4. Collect different grains/ seeds of cereals, pulses and oil seeds and gather information about the seasons in which they are sown and harvested.

Section C

1. Prepare a solution of common salt/ sugar of a given percentage composition to prepare homogenous solution, saturated solution and un-saturated solution.
2. Prepare one homogenous and one heterogeneous mixture (of liquids) and distinguish them on the basis of at least one common property of such solution like- Colour, Filtration, settling.
3. Separate the things around (10 nos.) you as pure substances or mixtures.
4. Prepare a Model on the structure of Atom using balls, beads and wires.

Note:

1. Students are to complete the above suggested activities in an academic year and the marks to be allotted will be 20 i.e. a minimum of at least 5 marks from each section.
2. The teacher may use a rubric as an assessment tool for the project work.
3. Group work with presentation of all activities in addition to individual activities is suggested for better learning.

Textbook as prescribed by MBOSE:

- Science Class 9, NCERT (Meghalaya Edition)

Published by- M/S Meghalaya Book Stall, Mawkhar Point, Iewduh, Shillong

SOCIAL SCIENCE
CLASS IX
(Internal - 20 marks; External - 80 marks)

Course Structure

| Sl. No. | Sections | Internal Assessment | External Assessment |
|---------|--------------|---------------------|---------------------|
| 1 | History | 5 marks | 20 marks |
| 2 | Civics | 5 marks | 20 marks |
| 3 | Geography | 5 marks | 20 marks |
| 4 | Economics | 5 marks | 20 marks |
| | Total | 20 marks | 80 marks |

Section – A: History

Chapter 1: Events and Processes: The French Revolution (1789-1799) - France before the Revolution; Causes of the Revolution, Impact of the American Revolution; Beginning of the Revolution; Course of the Revolution; Role of Women in the Revolution; Abolition of Slavery in France; Legacy of the Revolution.

Chapter 2: Livelihoods, Economies and Societies - Forest Society and Colonialism; Why Deforestation? Colonial Times- Forests and Colonial Development; Rise of Commercial Forestry; Forest Rules and Effects on Cultivation; Rebellion in the Forest.

Peasants and Farmers - Modern Agriculture in England; Enclosures and the New Demands; Bread Basket and Dust Bowl; Agrarian Expansion in U.S.A; Indian Farmers and Opium production.

Chapter 3: Meghalaya’s Resistance to British Dominion: Khasi Uprising, Jaiñtia Uprising, A-Chik Uprising.

Chapter 4: Financial Education (*For internal assessment only*): Part I: Investment – Types of Investment; Part II: Financial Sector Reform and Insurance

Chapter 5: Source of Funds (*For internal assessment only*): Classification of Source of Funds; Loan from Financial Institution; Raising Fund from Customers and Suppliers.

Section - B: Geography

Chapter 1: Major Relief Features of the Earth: Formation of Land Forms - Forces; Mountains- Types and Importance; Plateaus-Types and Importance; Plains-Types and Importance; Land Forms and People.

Chapter 2: India - Size and Location: Location and Size; India and the World; Indian Sub-Continent.

Chapter 3: Physical Features of India (*For internal assessment only*): Earth’s Processes; Major Physiographic Divisions.

Chapter 4: Drainage:Rivers; Drainage Systems; Lakes and Island Drainage; Rivers: Lifeline of Human Civilization; Rivers’ Pollution.

Chapter 5: Climate: Climate of India; Factors Affecting Climate of India; North East Trade Winds; Indian Monsoon; Annual Cycle of Seasons; Distribution of Precipitation; Monsoons-

A Unifying Bond.

Chapter 6: Natural Vegetation and Wildlife: Ecosystem; Biomes; Vegetation Types; Wildlife; Conserving Biodiversity.

Section - C: Civics

Chapter 1: Democracy in the Contemporary World (*For internal assessment only*): Introduction; Democracy in the Contemporary World; Is the World Moving Towards Democracy?

Chapter 2: Democracy in India: Making of a Constitution; Road to Democracy; Framing of the Constitution; How The Indian Constitution Was, Framed? Guiding Values of the Indian Constitution; Philosophy of the Constitution; Salient Features of the Indian Constitution; How Democracy Is Being Redesigned In India?

Chapter 3: Electoral Politics in India: Why Elections? How Elections Are Held? Are Elections in India Free and Fair? Candidates In Fray for Lok Sabha Elections; Representation of Women in Lok Sabha.

Chapter 4: Institutions of Parliamentary Democracy: Why We Need Political Institutions? Parliament (The Legislature); Functions of the Parliament; Relations between the Lok Sabha and the Rajya Sabha; How Laws Are Made? Political Executive- The President; The Vice President; Prime Minister; The Council of Ministers (Powers and Functions); Judiciary: Role of the Supreme Court, Jurisdiction of the Supreme Court; Power of Judicial Review; Judiciary's Independence

Chapter 5: Citizens' Rights in Democracy: Definition of Rights; Why Do We need Rights? Classification of Rights; Fundamental Rights; Scope of Fundamental Rights.

Chapter 6: Financial Education: PAN Card and Aadhaar Card (*For internal assessment only*): PAN Card, Aadhaar- Benefits of Aadhaar

Chapter 7: Grievance Redressal Mechanism in Insurance (*For internal assessment only*): Policy holder protection, Grievance Redressal

Chapter 8: Credit Cards and Debit Cards (*For internal assessment only*): Steps in making payment by credit card for online purchase, Advantages and Disadvantages, Debit Card

Section - D: Economics

Chapter 1: Factors of Production (*For internal assessment only*): Economic and Non-Economic Activities, Meaning of Economics; Important terms in Economics; Factors of production; Case Study.

Chapter 2: People as A Resource: How People Become A Resource? Role of Health in an Individual's working life; Education in India; Health in India; Economic Activities by Men and Women; Unemployment in India.

Chapter 3: Poverty as a Challenge: Introduction; Meaning of Poverty; Social Indicators of Poverty; Absolute and Relative Poverty; Magnitude of Poverty; Causes of Poverty; International Comparisons of Poverty and Inequality of Incomes; Steps Taking by the Government for Poverty Alleviation: Two Case Studies of Poverty.

Chapter 4: Food Security in India: Introduction; Meaning of Food Security; Need for Food Security; Food Insecurity Concerns- People, Regions and Hunger; Food Security in India; Public Distribution System (PDS); Defects of India's Food Security System; Role of Cooperatives in Food Security.

Chapter 5: Financial Education (*For internal assessment only*): Demonetisation of Currency; Merits and Demerits of Demonetisation.

Chapter 6: Part-I: RBI-Central Bank (*For internal assessment only*): Meaning; Functions of RBI; Case study; **Part-II: Budgeting** (*For internal assessment only*): Preparation; Case study

Chapter 7: Part-I: Banks and Loans (*For internal assessment only*): Types of Loans; **Part-II: Inflation** (*For Internal Assessment only*): Causes and Effects.

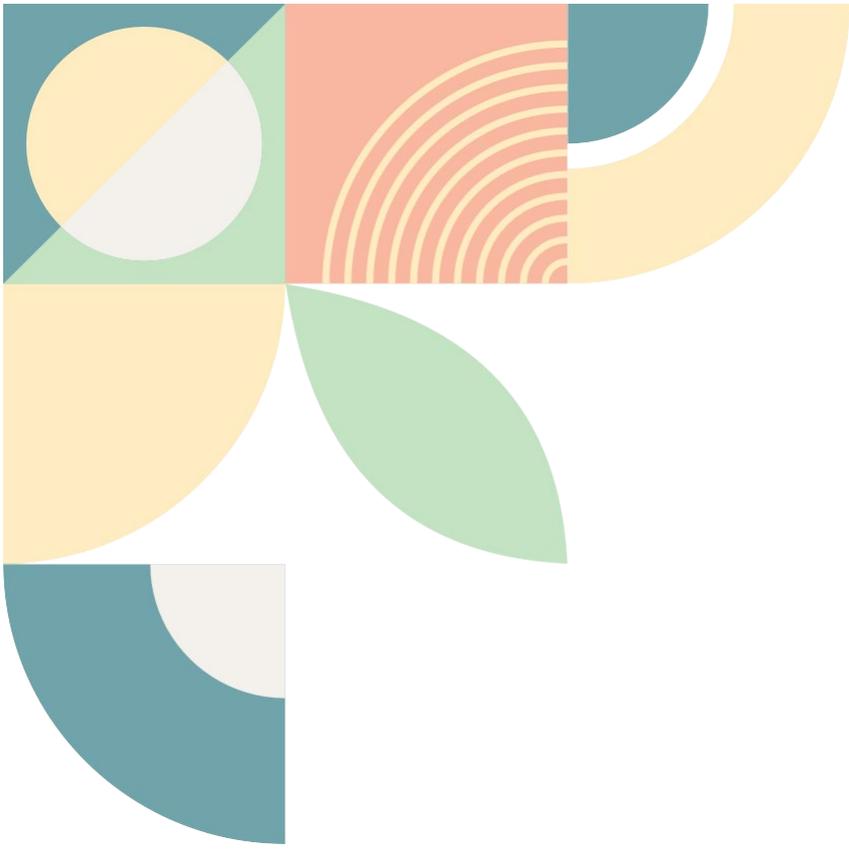
Following are important instructions to be followed by schools and teachers:

- Suggestive Formative Assessment strategies besides written tests\class tests for internal assessment across grades are field trips, project work, group discussions, written assignments, quizzes, timelines, concept maps, mind-maps, map skills, case studies, experiential learning activities, role play, drawing, painting, model making, artefacts, journaling, think, pair and share, debate, portfolios, anecdotal records and others.
- Teachers can make assessments on individual and group presentations of students' projects and other activities for formative or internal assessment.
- Formative Assessment activities conducted individually and group can be done by developing assessment tools such as checklists, rubrics on a 3 - point scale.
- Records of assessments of students should serve as evidence-based data which will be the basis for reporting of each student holistically.
- Allotment of marks class- wise and section wise have been given in the prescribed syllabus.
- The Questions for the Final External Assessment (Summative Assessment) at the end of the academic year will cover the entire syllabus of 80 marks. 20 marks is allotted for internal assessment of the whole curricular session.
- Question papers for the Final External Assessment will be externally set.

Textbook as prescribed by MBOSE:

- Core Social Science - IX

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