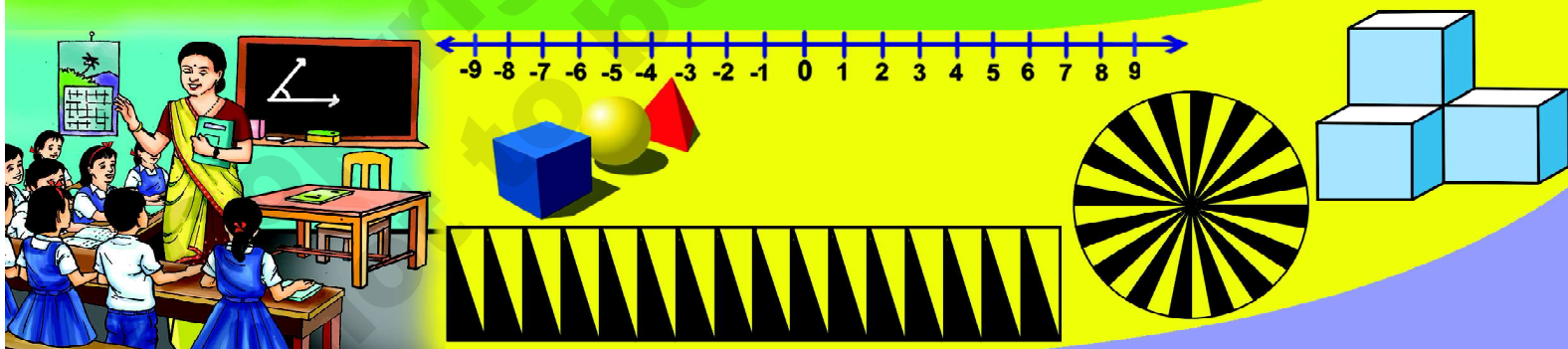
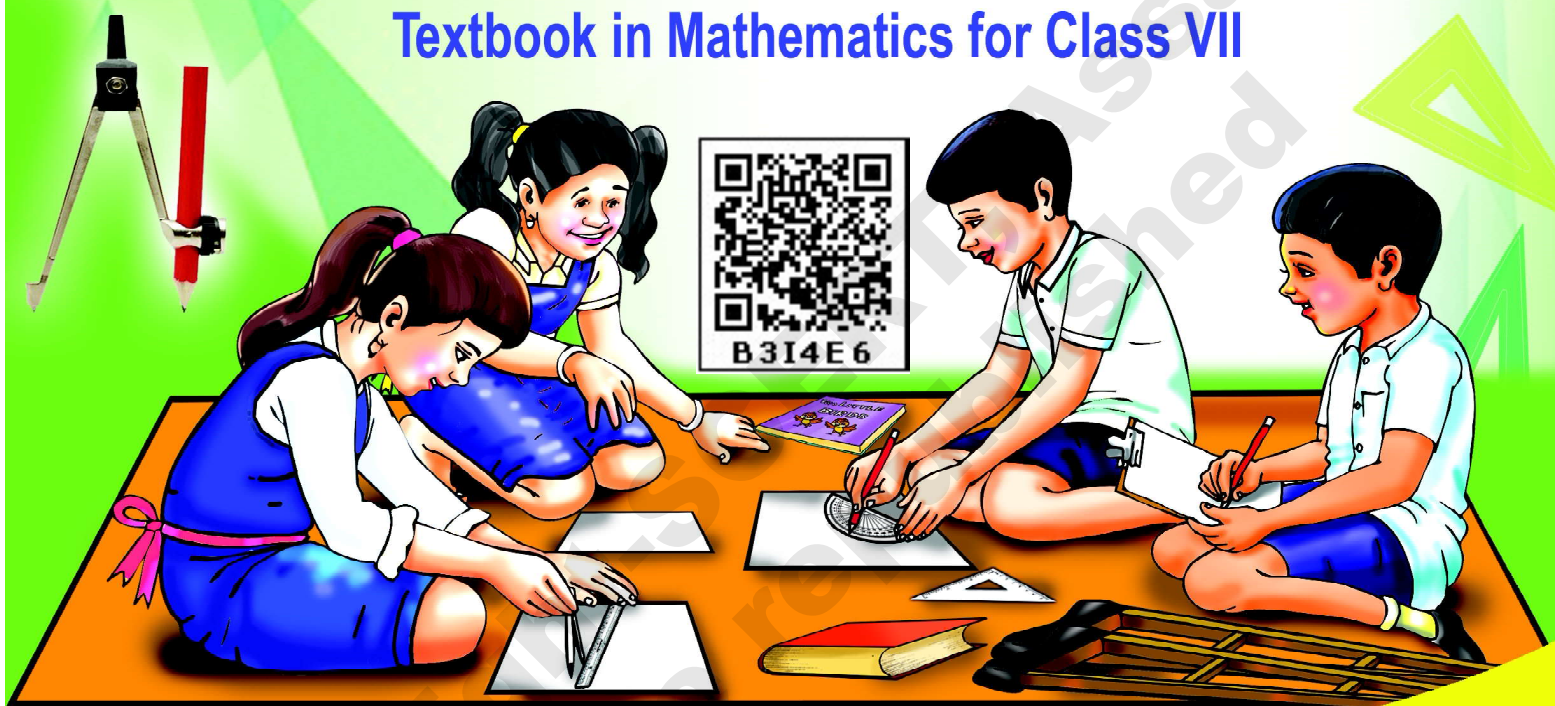


MATHEMATICS

Textbook in Mathematics for Class VII



Education (Elementary) Department, Assam
Government of Assam

PREPARATION FOR FLOODS

FLOODS



Before Flooding occurs



1. Place your valuable documents in a plastic cover/polythene bag and seal it.
2. Have an emergency kit at hand which includes
 - A portable radio, torch and spare batteries.
 - Stock of fresh water, dry food (chira, muri, gur, biscuits), kerosene, candle and matchboxes.
 - A first aid kit, manual and strong ropes for tying things

During a Flood

1. Do not walk through moving water.
2. Do not touch electrical equipments if you are wet or standing in water.
3. Drink boiled water.
4. Keep your food covered.
5. Use bleaching powder to disinfect your wall.

After Flood

1. Use bleaching powder to disinfect your surrounding.
2. Keep your food covered.
3. Drink boiled water.
4. Keep tuning to your local radio/ TV for updated bulletin.

Assam State Disaster Management Authority

For Inclusion of Children with Special Needs

Teachers will take necessary steps for including children with special needs during teaching learning process.



'DIAL 1098 if you see a child ill and alone in need of shelter, abandoned or lost, being beaten or abused, being bullied or for any other help the child might need. CHILDLINE 1098 is a national 24 x 7, free and out-reach service for students.'



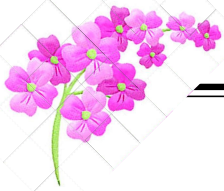
Mathematics

For Class VII



DEVELOPED BY

State Council of Educational-Research and Training, Assam
Kahilipara, Guwahati - 19



Name :

School Name :

Class : Roll no. :



The Assam State Textbook Production and Publication
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FREE TEXTBOOK

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MESSAGE

Textbooks are the key components of scholastic education. Students gain knowledge that flows through the pages of the textbooks. Students, enriched with knowledge, are the wealth and future of our State as well as our Nation. The Renaissance of human civilization had been influenced by Education only. With this realization and foresight, the present Government has accorded the highest priority to the development of the Educational sector in the State.

The present State Government, in a bid to complement the untiring efforts of the student community to achieve success and fulfil ones' ambition and contribute to the welfare of the State, has been implementing various educational assistance programmes under "Pragyan Bharati". Under this programme, Free Textbooks are being distributed to the students from Pre Primary, Class I to Class XII which is now extended up to degree level since 2020. The benefits have been further augmented by waiving admission fees for the students of Secondary and Degree level. The State Government has also waived examination fees at the Secondary level for the students from the economically weaker section. Free uniforms are also being provided to the students up to the High School level. Under the "Anundoram Borooah Award Scheme", free laptops and at times, substituted with cash rewards, are being provided to meritorious students who excel in the HSLC examinations.

The Free Textbook component of the noble programme - "Pragyan Bharati" comprises printing, publication and distribution and, it is implemented with concerted efforts of the Assam State Textbook Production and Publication Corporation Limited (ASTPPC Ltd.), State Council of Educational Research and Training (SCERT), Board of Secondary Education, Assam (SEBA) and Assam Higher Secondary Education Council (AHSEC). I thank all these wings of the education department and appreciate their sincere hard work to make the scheme successful. My best wishes remain to all the Students - the human resources of the Nation for relentlessly pursuing their studies with all dedication and sincerity to gain a successful foothold to a bright future.

(Dr. Ranoj Pegu)
Education Minister, Assam

Preface

As envisaged by the National Education Policy 1986 textbooks in schools play an important role on teaching-learning process in Elementary Education and successful implementation of learner centric education. In this regard, as per the direction of the state govt. SCERT, Assam is taking initiative to prepare and review the textbook or elementary level time to time. This time SCERT, Assam has prepared the textbook in Mathematics for class VII, that can be implemented from the academic year 2020, as directed by Govt. of Assam. This textbook is prepared on the basis of State curriculum and 'learning outcome' prepared by NCERT recently. The 'National Curriculum Framework (2005)' for elementary level was also considered in preparing the textbook.

In this textbook the environment based activities are incorporated so that the students get the opportunity to participate actively to acquire the basic mathematical concepts. It is expected that in transacting the lessons of the textbook the teachers will make the teaching-learning process joyful by using sufficient concrete or real objects.

In the textbook quick response code (Q.R code) has been incorporated in some of the Chapters so that the learners can be facilitated for more conceptual clarity of content.

The undersigned is very much grateful to those professors, subject experts, teacher-educators, teachers, officials and reviewers who were developing the textbooks.

It is also expected that constructive suggestions from learned people will contribute in reviewing the textbook in near future.

Dr. Nirada Devi
Director

State Council of Educational Research and Training
Kahilipara, Guwahati-781019

Developers

Dr. Ram Ch. Deka, Retired Professor and Head of the Department Of Mathematics, Pragjyotish College, Guwahati.
Dr. Prabin Das, Retired Associate Professor, Department Of Mathematics, Aryavidyapith College, Guwahati.
Sri Prabin Ch. Barman, Retired Teacher, Refinery High School, Noonmati, Guwahati.
Sri Ghanshyam Medhi, Principal, Asom Jatiya Vidyalaya, Guwahati.
Dr. Munindra Kr. Mazumdar, Mariya Public School.
Sri Rabindra Barman, Vice-Principal, Asom Jatiya Vidyalaya, Noonmati, Guwahati.
Sri Bipul Khaund, Retired Senior Lecturer, District Institute of Education and Training, Sonitpur.
Dr. Dibyajyoti Mahanta, Dean Study Centre, Krishnakanta Handiquoi State Open University.
Dr. Gyanjyoti Sharma, Associate Professor, Department of Mathematics, R.G. Baruah College.
Sri Biren Bhattacharya, Senior Lecturer, District Institute of Education and Training, Kamrup.
Sri Birabrat Das Choudhury, Lecturer, Department of Mathematics, Bongaigaon Engineering Institute.
Sri Manoj Kr. Sharma, Associate Professor, Department of Mathematics, Guwahati College.
Sri Ranu Bargohain, Retired Assistant Teacher, Tarinicharan Govt. Girls H. & MP School.
Sri Pratul Sharma, Head Teacher, Lalsingh Academy, Guwahati.
Sri Khanindra Barman, Teacher, Betkuchi High School, Guwahati.
Sri Kakoli Barthakur, Assistant Teacher, Tarajan High School, Jorhat.
Sri Kakoli Pegu, Lecturer, District Institute of Education and Training, Dhemaji.
Sri Mukesh Sharma, Deputy Director, SCERT, Assam.

Reviewer

Dr. Tarakeshwar Choudhury, Retired Professor and Head of the Department Of Mathematics, Cotton College.

Editing

Sri Lakshmi Kant Das, Deputy Director, SCERT, Assam.
Dr. Rita Devi, Senior Lecturer, Kamrup. District Institute of Education and Training, Kamrup.
Sri Biren Bhattacharya, Senior Lecturer Kamrup. District Institute of Education and Training, Kamrup.
Sri Tilok Kr. Mahanta, Asstt. Teacher. Narayanpur Girls MV School, Lakhimpur.

Subject Expert

Dr. Ram Ch. Deka, Retired Professor and Head of the Department Of Mathematics, Pragjyotish College, Guwahati.
Dr. Prabin Das, Retired Associate Professor, Department Of Mathematics, Aryavidyapith College, Guwahati.
Sri Aroti Bhattacharya, Retired Academic Officer, Board of Secondary Education Assam, Assam.
Sri Bipul Khaund, Retired Senior Lecturer, District Institute of Education and Training, Sonitpur.
Dr. Gyanjyoti Sharma, Associate Professor, Department of Mathematics, R.G. Baruah College.

Cover Page & Illustration : Shankar Kalita, SCERT, Assam.

D.T.P. : Ambika Dutta, Utshav Talukdar

Q.R. Code incorporation : Mridul Sharma, Pranjal Talukdar.

Coordinator

Sri Lakshmi Kant Das, Deputy Director, SCERT, Assam.

Translation

Sadhan Paul, Principal I/C, DIET, Golaghat.

Dr. Rita Devi, Senior Lecturer, Kamrup. District Institute of Education and Training, Kamrup.

Sri Biren Bhattacharya, Senior Lecturer Kamrup. District Institute of Education and Training, Kamrup.

Mukul Phukan, Lecturer, DIET, Golaghat.

Mukul Ch. Gogoi, Science Graduate Teacher, Rongamati High School.

Debojit Dutta, Science Graduate Teacher, No. 2 Jyoti M.E. School, Dergaon.

Rajib Sharma, BRP North Educational Block, Dergaon.

Reviewer

Dr. Prabin Das, Retired Associate Professor, Department Of Mathematics, Aryavidyapith College, Guwahati.

Dr. Abu Mohd. Pharhad Hussain, Assistant Professor, Cotton University.

Revision

Sri Mridul Das, Lecturer, DIET, Bongaigaon

Language Expert

Dr. Merry Baruah, Associate Professor, Cotton University, Guwahati.

Technical Support

Sri Jul Dutta, Operator, SCERT, Assam

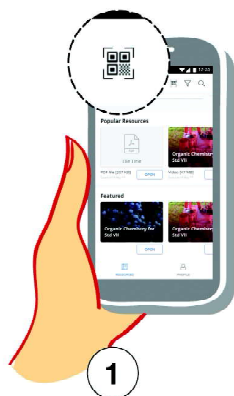
D.T.P. : Ambika Dutta, Hridikesh Das, Pranjal Talukdar, Bodha Jyoti Boruah

Coordinator

Sri Lakshmi Kant Das, Deputy Director, SCERT, Assam.

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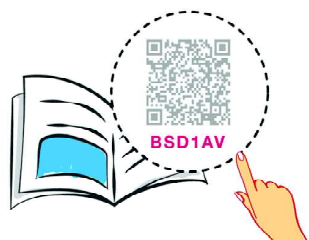


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LESSON PLAN

Lesson plan is a structured outline of a given topic/unit/chapter to be taught in any given day. Lesson plan aids to streamline teaching and create an engaging learning experience.

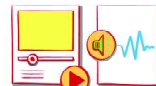


IMAGES

Pictures, drawings or photographs to explain concepts and non-local contexts.

ACTIVITIES

Engaging games or exercises to test and increase cognition.



VIDEO & AUDIO CLIPS

To help explain difficult concepts creatively and innovatively.



INTERACTIVE GAMES

Engaging games or exercises to test and increase cognition.

ASSESSMENT

An evaluation to gauge the level of understanding of any given topic/ chapter/unit. Assessments help teachers improve the overall learning experience.



WORKSHEETS

A set of questions or tasks put together to assess the understanding of any particular topic/unit/chapter.



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