



Government of Goa

**STATE COUNCIL OF EDUCATIONAL RESEARCH & TRAINING**

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**No: SCERT/Acad/Learn.Out./JioEmbibe/807/2019/**

**Date: 02/04/2020**

To

The Headmaster / Headmistress

Of all Govt. & Govt. Aided Secondary Schools of Goa

**Sub: Online test and subject wise online classes in Mathematics and Science  
for Class X students**

Sir/Madam

The Directorate of Education and the State Council of Educational Research & Training (SCERT), Porvorim in association with Jio-Embibe Pvt. Ltd. is conducting a **“Computer Based Online Mock Test for the students of Std. X in the subject Mathematics & Science appearing in Board Examination April 2020”** for all the Government and Govt-Aided Secondary Schools.

Jio-Embibe team has drafted an effective Continuance of Learning plan for the students of class X. It is of paramount importance to all of us that student health is protected while also ensuring that their learning does not get interrupted. Towards this goal, the improvement and learning platform, will be provided free of cost for the students for Learn, Practice and Test, from the comfort and safety of their homes.

Students can appear for online test on the link <https://www.embibe.com/mock-test/cbse/10th-cbse-mocktest>.

Similarly there will be subject wise online classes on link [www.liveshaala.com](http://www.liveshaala.com) which will be starting from **4<sup>th</sup> April 2020**. Students are advised to download Zoom App for the same.

The steps for conducting the test and guidelines are annexed herewith.

Therefore, you are instructed to communicate to all your students that they can take the live test as well as visit to above link for subject wise online classes for their benefit during this period.

Yours faithfully  
*Vandana Rao*

(Vandana Rao, IAS)  
Director of Education

Copy to:

1. Director, SCERT, Porvorim, Goa.
2. PA to Director (Education), Porvorim
3. SPD (Goa Samagra Shiksha) , Porvorim
4. The Principal, D.I.E.T., Porvorim.
5. The Dy. Director of Education of central, North and South Goa Zones
6. P.A. / O.S.D. to Hon'ble C.M.
7. Mr Devendra Gaur, Sr. Director, Jio-Embibe
8. Concerned file / Guard File

## Annexure

### a. Guide existing grade 10<sup>th</sup> students for their upcoming boards.

Students can appear for online test (Suggested that this be done under supervision of their parents) at the given link.

#### Steps to follow:

1. Go to URL <https://www.embibe.com/mock-test/cbse/10th-cbse-mocktest>
2. Under CBSE Tests, Next to full tests, please click on "Show All"
3. Next to the test, click on "Start Test"
4. Check on "I have read and understood the instructions"
5. Click on "Continue" to start any test
6. Once Completed, check
  - i. Your test results
  - ii. Understand the solution for the questions, which were attempted wrong
  - iii. Practice repeatedly.

### b. Starting 4<sup>th</sup> April, every day there will be subject wise online classes on link [www.liveshaala.com](http://www.liveshaala.com)

Step 1. Open [www.liveshaala.com](http://www.liveshaala.com)

Step 2. Open Schedule

Step 3. Select the time of the class and join

You are now logged-in for the class as per following schedule:

**1100 Hrs – 1230 Hrs : Science**  
**and 1400 Hrs – 1530 Hrs : Maths**

Online remedial classes will be on following topics for **Science**

Sr	Chapter	Topics
1	Electricity	Calculation of Heat produced in Resistor Resistors in Parallel Combination
2	Ray Optics	Mirror Formula
3	Light	Reflection and Refraction Lens Formula
4	Periodic Classification of Elements	The Modern Periodic Table
5	Acids, Bases and Salts	Neutralisation Reaction Reaction of Metal Hydrogen Carbohydrates with Acids



		Reaction of Metal Carbonates with Acids
6	Sources of Energy	Geothermal Energy Hydropower Plants Nuclear Energy
7	Chemical Reactions and Equations	Redox reaction

Scheduled online remedial classes on following topics on **Maths**

1	Circle	Areas related to Circle Circumference of Circle
2	Statistics	Mean or Average or raw data Median when number of data is odd
	Pair of Linear Equations in two variables	Application of Pair of Linear Equations in problems on numbers Relation between coefficients for infinite solution Unique solution for pair of linear equation in two variables
4	Polynomials	Relationship between Zeros and Coefficients of a Quadratic Polynomial Methods to Determine Zeros of Fourth Degree Polynomial
5	Constructions	Construction of Pair of Tangents to a Circle From a Point outside it.