

**OFFICE OF *THE URANIUM* , Friends' Colony, Cuttack**

**(phone- 8018346909 )**

email: [theuraniumodisha@gmail.com](mailto:theuraniumodisha@gmail.com)

**ONLINE FINAL UTSE-2021 for Class- IX**

**(VIII-passouts)**

**Final Level Test: 27<sup>th</sup> June 2021 during 7 am to 8 am**

7-ଦିନିଆ ଅନଲାଇନ କ୍ୟାମ୍ପ(22-25,-29-31, May 2021) ରେ ପଢ଼ା ଯାଇଥିବା ବିଷୟ ମାନଙ୍କୁ ଆଧାର କରି ଏହି ପରୀକ୍ଷାରେ ପ୍ରଶ୍ନ ପଡ଼ିବ ।

The Online Examination will be conducted in the Gradeazy platform.

(Gradeazy platform ରେ ଏହି ପରୀକ୍ଷା ଅନୁଷ୍ଠିତ ହେବ । )

**Who can appear the test?** Any class IX student of Odia Medium medium schools irrespective of whether the candidate has attended the 7-day camp or not. The YouTube Video Links of the 7 days discussions are given below for those candidates who have not attended the camp but want to appear. The study materials also can be available to such candidates on request(8018346909).

**Examination Fees:** FREE

**Registration for Enrolling to appear the Test:**

The candidates are required to register their names in Gradeazy to appear the test. The interested candidates are required to send their names, class, school, school address, mobile number and EMAIL ID to us(8018346909) for registration. After registration they will

receive their passwords to log on from Gradeazy in their registered email ID.

IMPORTANT: The applicants are required to give us their valid email ID for registration, to receive their passwords in that ID. If the email ID is not valid, you cannot register your name.

**Last date for registration : 21. 06. 2021**

The test score will be available to the candidate after the submission of test paper. But rank list will be published by 5<sup>th</sup> July ,2021. Medals and certificates to the top 10 or more will be given *only on qualifying the test*.

**Topics for the Test** (based on the discussion in the camp)

1. Formula Writing, Solubility Rules, Ionic Equations, Balancing chemical equations by Hit and Trial method, Oxidation Number and simple rules to determine ON for simple molecules and ions, 8 types of metathesis(non-redox) reactions, Introductory concepts on oxidation and reduction on the basis of electron loss and gain (also change in ON), Oxidizing Agent and Reducing Agent, 5 types of Redox Reactions
2. Fundamental Mole Concept including Gram Molar Volume of gases at STP.
3. Motion : Distance, Displacement, Speed, Velocity(graphical analysis). Concept of Instantaneous speed(velocity), Acceleration, Equations of kinematics, Free Fall and perpendicular throw under gravity.
4. Vectors-1 : only addition of vectors by triangle law and parallelogram of forces.
5. Forces and Newton's Laws of Motion: Newton's 1<sup>st</sup> law and Inertia, Newton's second Law, Linear Momentum and definition of force from the rate of change of momentum, Types of forces, Normal Reaction Force, Newton's 3<sup>rd</sup> Law, Action-Reaction

Forces, Conservation of Linear Momentum in an isolated system with no external interaction.

*(N.B: Numericals from Mole Concept in Chemistry and all topics of Physics will be set in the examination. There will be about 50% numerical questions and rest thought provoking subject based questions)*

### **Link to the YouTube videos for the 7-days**

1<sup>st</sup> Class : <https://youtu.be/yhf5e8ipdc8>

2<sup>nd</sup> Class : <https://youtu.be/bpRwsjZrSxE>

3<sup>rd</sup> Class : <https://youtu.be/TpPetbzHWnc>

4<sup>th</sup> Class : <https://youtu.be/t7wdAkY-QP8>

5<sup>th</sup> Class <https://youtu.be/Qf-LRBFx9Qc>

6<sup>th</sup> Class : <https://youtu.be/obFNK4fDGNc>

7<sup>th</sup> Video : <https://youtu.be/5IFN225VWC8>