



NEW ERA PUBLIC SCHOOL, PATNA

(Affiliated to CBSE, Delhi, 10+2 level)



VACATION HOLIDAY HOMEWORK (2025-26)

CLASS: XI (SCIENCE)

SUBJECT	HOMEWORK
English	<ol style="list-style-type: none">Read any one novel of the following Indian authors:-<ol style="list-style-type: none">R.K. Laxman -ORMulkraj Anand -ORAnita DesaiWrite a book review and critical appreciation of the novel in 400 – 450 words.<ol style="list-style-type: none">Write a character sketch of the central character in the novel (in 150 – 200 words)Write a speech in 150 words on the topic 'Deterioration the students reading habits'
MATHS	<ol style="list-style-type: none">Do E.X - 10.1 ,10.2 and 10.3 in math fair copy
SCIENCE	<ol style="list-style-type: none">PHYSICS:<ol style="list-style-type: none">Complete all exercise numerical of chapter work energy power from NCERT.CHEMISTRY:<ol style="list-style-type: none">What is organic chemistry?Define a homologous series.What is a functional group?Write the general formula of alkanes.What is catenation? Name the element that shows maximum catenation.Write the IUPAC name of:<ol style="list-style-type: none">$\text{CH}_3\text{—CH}_2\text{—CH}_3$$\text{CH}_3\text{—CH}_2\text{—OH}$What is an alkyl group? Write the formula of methyl and ethyl groups.Define structural isomerism.Write any two differences between saturated and unsaturated hydrocarbons.Numerical:<p>Calculate the percentage of hydrogen in ethane (C_2H_6).</p><p>(Atomic masses: C = 12, H = 1)</p>

c. BIOLOGY:

1. Read Body Fluids and circulation chapter and complete exercise questions.
2. Prepare a project on cell division and cell cycle. Including all the phases appear in mitosis and meiosis with well labelled diagram.

Note: 1. The School will remain closed on account of Winter Vacation from **29.12.2025 (Monday) to 10.01.2026 (Saturday)**.
2. It will re-open on **12.01.2026 (Monday)**.
3. You may also get HOLIDAY HOMEWORKS from school website: - **www.newerapublicschoolpatna.org**

Merry Christmas
&
Happy New Year
2026!

