

**Winter Break Holiday Homework**  
**Class XI – Biology**

**A. Important Theory Topics (Learn & Write in home work notebook)**

**1. Respiration in Plants**

Aerobic vs anaerobic respiration (differences)  
Glycolysis: site, steps, end products, energy yield  
Krebs cycle: location and significance  
Respiratory quotient (RQ)

**2. Plant Growth and Development**

Characteristics of plant growth  
Growth curve and its phases  
Plant growth regulators: Auxin, Gibberellin, Cytokinin, ABA, Ethylene  
(source and one function each)  
Photoperiodism and vernalisation

**3. Breathing and Exchange of Gases**

Exchange of gases at alveoli  
Transport of oxygen  
Transport of carbon dioxide  
Regulation of respiration

**4. Body Fluids and Circulation**

Composition and functions of blood  
Blood groups and Rh factor  
Cardiac cycle (events in sequence)  
Double circulation  
Cardiac output and heart rate

**5. Excretory Products and their Elimination**

Structure and function of nephron  
Mechanism of urine formation  
Role of ADH in osmoregulation  
Micturition and its control

**B. Diagram Practice**

**Draw and label one diagram from each chapter:**

Glycolysis / Krebs cycle  
Growth curve / hormonal control  
Alveolus  
Human heart  
Nephron

**Assessment Scheme (Maximum: 10 Marks)**

Coverage of important topics – 4 marks  
Concept clarity & organisation – 3 marks  
Diagram accuracy & labelling – 2 marks  
Neatness & completion – 1 mark  
Total: 10 Marks

## ASSIGNMENT FOR WINTER BREAK 2025

Class XI (Eng)

### Advertisement On

For Sale- 2

Accommodation Wanted-2

Situation Vacant-2

### Poster writing:

Save Water

Importance of Reading Books

### Speech: 150 Words

- The Importance of Mental Health Awareness in Schools
- Social Media: A Boon or a Bane for Teenagers?
- The Rising Influence of Technology on Human Relationships

### Debate: (150 words) (either For or Against)

Will AI do more harm than good to humanity?

should School exams be replaced with continuous assessment

Revision:

Father To Son

Silk Road

The Tale of Melon City

## शीतकालीन अवकाश के लिए गृह कार्य

कक्षा 11वीं

विषय हिंदी

सत्र -2025-26

1-निम्न विषयों पर रचनात्मक लेख लिखिए

क - स्वच्छ भारत अभियान

ख -ऑपरेशन सिन्दूर

ग - भारतीय भाषा उत्सव

2-फीचर लेखन: 'बढ़ती महंगाई' या 'सोशल मीडिया के लाभ और हानि' पर एक आकर्षक फीचर तैयार करें।

3-प्रतिवेदन (Report): अपने विद्यालय में मनाए गए

'वार्षिक उत्सव' पर एक रिपोर्ट लिखें।

4-जनसंचार: जनसंचार के प्रमुख माध्यमों (Print, Radio, TV, Internet) की विशेषताओं का एक तुलनात्मक चार्ट बनाएँ।

5-भारतीय गायिकाओं में बेजोड़: लता मंगेशकर: शास्त्रीय संगीत और चित्रपट संगीत (Film Music) के अंतर को स्पष्ट कीजिए।

6-राजस्थान की रजत बूँदें: राजस्थान में पानी की समस्या और 'कुई' के निर्माण की प्रक्रिया का संक्षिप्त वर्णन करें।

### 7-परियोजना कार्य

आरोह पाठ्य पुस्तक के सभी पाठों के लेखक कवियों का जीवन परिचय उनकी कृतियाँ चित्र सहित बनाकर लिखकर फाइल तैयार करें।

**PM SHRI KENDRIYA VIDYALAYA PICKET SECUNDERABAD**

**HOLIDAY HOME WORK**

**CLASS XI COMPUTE SCIENCE**

**TUPLE, DICTIONARY and PYTHON MODULE CHAPTERS:**

Solve the Unsolved question and answers unsolved from text book and revise for Periodic Test II 2026.

**PM SHRI KENDRIYA VIDYALAYA PICKET SECUNDERABAD**

**HOLIDAY HOME WORK**

**CLASS XI INFORMATICS PRACTICES**

**DATABASE CONCEPTS, SQL COMMANDS -DDL,DML**

**EMERGING TRENDS:**

Solve the Unsolved question and answers from text book and revise for Periodic Test II 2026.

KENDRIYA VIDYALAYA PICKET

CLASS -11<sup>th</sup> HHW

PROJECT WORK

TOTAL MARKS -20

SUGGESTIVE TOPICS FOR PROJECTS -

1. Facets of the Industrialization in sixteenth- eighteenth centuries.
2. Crusades: causes; rationale; events; outcomes; Holy Alliance
3. Ancient History in depth: Mesopotamia
4. Greek Philosophy and City States
5. Contributions of Roman Civilization
6. The spirit of Renaissance: Manifestation in art; Literature; Sculpture; Influence on Trading  
Community; Social Fabric; Philosophy; Political Values; Rational Thinking; Existentialism
7. Aspects of Development -South American States /Central American States
8. Different schools of thoughts- Realism: Humanism: Romanticism
9. Piecing together the past of Genghis Khan
10. Myriad Realms of Slavery in ancient, medieval, and modern world
11. History of Aborigines – America /Australia
12. Facets of Modernization – China /Japan/Korea

NOTE- Projects are an imperative component in enhancing students learning with the related themes. In the research project, students can go beyond the textbook and explore the world of knowledge.

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