



ADARSH VIDYALAYA, MOWA
HOLIDAY HOMEWORK (2025-2026)
CLASS-XII

Let the warmth of summer awaken the fire within you—create, explore, dream, and grow. This holiday, let your talents bloom like never before.

Summer is not just a break from the classroom; it's a beautiful season of self-discovery. Whether it's painting a canvas, penning down thoughts, solving puzzles, or learning a new skill—every little effort adds to the masterpiece that is you.

So take this time to nurture your passions, challenge yourself, and come back stronger, brighter, and more confident. Remember, the journey of growth doesn't pause—it transforms.





General Note:

1. All the assigned work will be assessed and graded.
2. All vacation Practice work need to be done in class work copy.
3. Assessment of reading will be done in every exam.
4. Students should learn Hindi and Sanskrit pledge.
5. Parents are requested to:
 - Spend time & have meals together with your ward.
 - Motivate your ward to inculcate the habit of "READING HINDI & ENGLISH Literature (Newspaper, Comics etc.)"
 - Allow them to be independent (age wise) in their daily tasks like:
 - Arrange shelves
 - Washing their own plates
 - Watering plants & weeding Garden
 - Hang/fold clean clothes
 - Dust furniture
 - Do simple mending (hems, buttons, etc.)
 - Shop for groceries with list
 - Iron clothes etc.
 - Include your ward while preparing monthly budget.
 - Share your family history & your childhood memories with them





ENGLISH

1. As the Head Boy/Head Girl of your school, write a notice informing students about an **educational trip to a historical place** organized by your school. Include important details like date, venue, cost, and last date for registration.
2. The librarian of your school wants to inform students about the deadline for **returning library books** before summer vacation. Draft a notice on behalf of the librarian.
3. As an active member of your society, write a notice encouraging residents to participate in a **clean-up drive** to maintain cleanliness in the locality.
4. Imagine you are William Douglas, after the drowning incident you experienced different emotions. Write a diary entry expressing your emotions and fears.
5. Lost Spring high lights the harsh reality of child labour and loss of childhood dreams. As a journalist write a report on the issue ,incorporating real-life examples and suggestions possible solutions. (Pictures to be pasted)
6. Read the chapters Journey to the End of the Earth and The Enemy and write the gist of it.

MATHEMATICS

1. Draw the Mind Mapping of following chapters

- i) Trigonometric Functions
- ii) Sequence and Series
- iii) Straight lines
- iv) Conic Section
- v) Limits and Derivatives
- vi) Statistics

2.Solve at least 50 questions of

- i) Chapter 1- Relations and functions





BIOLOGY

1. Prepare a mind map of different types of pollination.
2. Write the adaptation for different plants for different agents of pollination.
3. Give any three outbreeding devices adapted by plants for encouraging cross pollination.
4. Draw a well Diagram of:
 - i. L.S of a flower showing growth of pollen tube.
 - ii. Embryo sac (7 celled but 8 nucleated structure).
 - iii. Microsporogenesis in angiosperms.
5. Differentiate between microsporogenesis and megasporogenesis.

PHYSICS

1. Solve NCERT questions of chapter 1.
2. Complete your Practical and activity notebooks.
3. Prepare a mind map on chapter Electric Charges and Fields.
4. Write all expressions and equations you have studied in your previous classes in practice notebook.
5. Select any one topic from your Physics book and prepare a PPT / Video /Mind map/Bulletin Board /Concept map or Poster on the topic.

CHEMISTRY

- a) Solve NCERT numerical questions of chapter 1 solution
- b) Prepare a mind map of previous chapter S and P block elements on the basis of Chemical and physical properties.
- c) Each student has to prepare one investigation project from following topics.
 1. Study of Oxalate ion content in the Guava fruit.
 2. Study of the Quantity of casein present in different samples 1) of milk
 3. Preparation of Soyabean milk and its comparison with natural milk
 4. Study of effect potassium bisulphite as food preservative under various conditions
 5. Comparative study of the rate of fermentation of various food materials.
 6. Study of adulterants in food stuff.
 7. Study of presence of insecticides and pesticides in fruits and vegetables.
 8. Preparation of Smoke bomb
 9. Comparison of Citric acid in different fruit juices.





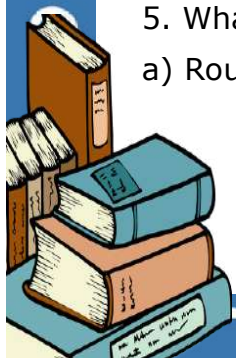
10. Preparation of Rayon threads (artificial silk).
11. Construction of Daniel cell and determining the EMF Cell
12. DNA extraction from banana.
13. Preparation (Crystallization) of double salts.
14. Analysis of fruit juices and vegetable juices.
15. Analysis of Honey
16. Analysis of fertilizers
17. Analysis of Alloys.
18. Analysis of Soft drinks
19. Analysis of Nutrients in Biscuit
20. Analysis of ant acids
21. Analysis of proteins in chocolate
22. Sterilization of water
23. Determination of amount of acetic acid in different vinegar i) samples.
24. Analyzing the chemical structure of detergents
25. Studying the chemical properties of battery types
26. Studying the chemistry of soap
27. Studying the chemistry of toothpaste
28. Studying the chemistry of pigments and solvents
29. Studying the chemistry of perfume
30. Studying the chemistry and development of new product materials

PHYSICAL EDUCATION (P.E)

1. What is Tournament? Draw the fixture of 21 teams in knock out basis.
2. What do you mean by sports management? Elucidate any three functions of sports event management in brief.
3. Project work
 - **(Sai Khelo India Test)**
 - **(Proficiency in Games and Sports)**
 - **(Yogic Practices)**

INFORMATICS PRACTICES (I.P)

1. What is a computer network? Explain its advantages.
2. Differentiate between LAN, MAN, and WAN.
3. What is the difference between a client-server network and a peer-to-peer network?
4. Explain the different types of network topologies with diagrams.
5. What are the functions of the following network devices -
 - a) Router
 - b) Switch
 - c) Hub
 - d) Repeater
 - e) Modem





6. Solve Ch-9 long answer/practical questions (Q1-Q4).
7. What is the Internet? How is it different from the World Wide Web (WWW)?
8. Define IP address and domain name.
9. What are HTTP and HTTPS?
10. Explain the difference between static and dynamic websites.
11. What is a URL? Give an example.
12. What is the role of a web browser? Name any two browsers.
13. Name two Internet services and briefly explain their functions.
14. What are search engines? How do they work?
15. Explain cyber security threats and precautions to be taken while using the Internet.
16. What are cookies in web browsing? How do they affect privacy?
17. What is VoIP? Give an example.
18. Differentiate between Internet, Intranet, and Extranet.
19. Describe the role of search engines and their algorithms.
20. What is FTP? How is it useful?

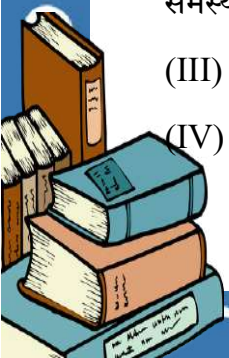
HINDI

वाचन कार्य -

- (i) **अभिव्यक्ति और माध्यम-** विभिन्न माध्यमों के लिए लेखन पाठ को पढ़ना और समझना है।
- (ii) **पाठ्यपुस्तक आरोह गद्यखंड** पाठ - 'भक्तिन' पाठ पढ़ना तथा पाठ में प्रयुक्त कठिन शब्दों के अर्थ समझना एवं प्रश्नोत्तर याद करना।
- (iii) **काव्यखंड** पाठ 1. आत्मपरिचय व दिन जल्दी-जल्दी ढलता है कविता का सस्वर वाचन करना, तथा पंक्तियों का अर्थ समझते हुए प्रश्नोत्तर याद करिए।

लेखन कार्य -

- (I) “जनसंचार माध्यमों का प्रभाव” विषय पर एक अनुच्छेद लिखिए।
- (II) रेलवे के आरक्षित डिब्बों में भी अवांछित तत्वों के घूस आने से यात्रियों को हो रही अनेक प्रकार की समस्याओं का उल्लेख करते हुए चेयरमेन रेलवे बोर्ड, नई दिल्ली के पत्र लिखकर अपने सुझाव प्रेषित कीजिए।
- (III) रेडियों की अपेक्षा टी.वी. समाचारों की लोकप्रियता क्यों बढ़ रही है? कोई दो कारण लिखिए।
- (IV) इंटरनेट अन्य संचार माध्यमों से किस प्रकार भिन्न है? समझाइए।





रचनात्मक कार्य –

- (I) भक्तिन वाक्पटुता में कुशल थी। क्या आपके दृष्टिकोण से वाक्पटुता सही हैं? आपके इर्द गिर्द मौजूद ऐसे व्यक्ति जो वाक्पटुता में कुशल है, उनके बारे में लिखिए।
- (II) नीचे दिए गए चित्रों को ध्यान से देखें और इनके आधार पर टी.वी. के लिए तीन अर्थपूर्ण संक्षिप्त स्क्रिप्ट लिखें।



YOGA

1. What is the importance of asanas (yoga postures) in maintaining physical health? Provide examples of asanas that help in improving flexibility, strength, And balance.
2. What is the role of meditation in yoga practice? Discuss the different types of meditation techniques used in yoga and their impact on the mind.
3. Explain the benefits of pranayama (breathing exercises) and how they contribute to physical and mental well-being.

HINDUSTANI MUSIC VOCAL

1. Learn and Write Introduction of Alankar, Meend, Kan, Khatka, Murki, Gamak.
2. Do Practice Raag Bageshri with Aaroh, Avroh, Pakad, Bandish, Aalap.
3. Write details of Raga Bageshri.

