

WINTER HOLIDAY ASSIGNMENT (2025-26)

CLASS IX

ENGLISH COMMUNICATIVE (101)

Q1. Brochure Making (Art integrated activity)

Design an attractive brochure on any famous poet or author of your choice.
Include the following:

- Introduction of the poet/author
- Early life and background
- Major literary works
- Writing style and themes
- Awards/achievements (if any)
- Contribution to literature

Q2. Compose a poem (8–10 lines) on any one of the following topics:

- Frosty Nights
- The Warmth of Kindness
- A Winter's Journey

Use **at least two literary devices** such as metaphor, simile, alliteration, or personification.

**Q3. Imagine a winter day during your holidays that was special or memorable for you.
Write a diary entry (120–150 words) describing:**

- The weather and setting
- Your feelings and thoughts
- Why the day was special to you

Note:

Students are advised to **revise the complete syllabus thoroughly** during the winter holidays in preparation for the **upcoming mock test**.

WORKSHEET

Q1. Choose the most suitable determiner from the options given in brackets.

1. There isn't _____ milk left in the fridge.(many / much / few)
2. _____ student must carry the school ID card.(Each / Few / Much)
3. She did not make _____ mistake in the test.(any / some / many)
4. I have read _____ book you gave me last week.(a / an / the)
5. _____ of the players was injured during the match.(Much / One / Several)

Q2. Fill in the blanks using suitable modals.

1. You _____ wear a helmet while riding a bike.
2. He _____ be at home; the lights are on.
3. We _____ finish the project before the deadline.
4. _____ I borrow your notebook for a day?
5. She _____ have informed the teacher about her absence.

Q3. There is an error in each sentence. Find the error and write the correct word under the correction.

S. No.	Text	Error	Correction
1	Winter bring joy and comfort to many people.		
2	The cold breeze make us feel energetic.		
3	Children enjoys wearing woollen clothes.		
4	Many people prefers hot drinks in winter.		
5	It is a season which teaches patience.		

Q4. Choose the correct form of the verb.

1. Each of the boys _____ (has/have) completed the task.
2. The quality of the apples _____ (is/are) very good.
3. Neither the teacher nor the students _____ (was/were) present.
4. A bouquet of flowers _____ (was/were) placed on the table.
5. Mathematics _____ (is/are) my favourite subject.

Q5. Read the paragraph below and fill in the blanks by changing the direct speech into indirect speech.

Riya: "I am feeling very cold today."

Mother: "You should wear your woollen jacket."

Riya: "Can you make some hot soup for me?"

Riya told her mother that she (a) _____ very cold that day. Her mother advised her that she (b) _____ her woollen jacket. Riya also requested her mother if she (c) _____ some hot soup for her.

शीतावकाश कालीन कार्य (2025-26)

कक्षा - नवमी

विषय - हिंदी

निर्देश:-

- हल करने से पहले प्रश्नों को ध्यानपूर्वक पढ़े।
- उत्तर व्याकरण उत्तर-पुस्तिका में याद करके लिखिए।
- कार्य पत्रिका का प्रिंट आउट लेकर उत्तर पुस्तिका में भी चिपकाएँ।

रचनात्मक लेखन

कविता/कहानी की किताब

विषय: 'कविता के बहाने', 'सपने और हम'

कला एकीकरण: छात्र अपनी पसंदीदा कविता या कहानी की एक छोटी किताब बनाए, जिसमें वे खुद चित्र बनाएँ, रंग भरें और उसे सजाएँ.

प्रश्न 1 निम्नलिखित में से किसी एक विषय पर एक संकेत बिंदु की सहायता से अनुच्छेद लिखिए।

(क) जो समय को नष्ट करता है, समय उसको नष्ट करता है।

संकेत बिंदु- • समय मूल्यवान • समय का सदुपयोग आवश्यक • प्रत्येक कार्य का निश्चित समय • समय नष्ट करना • समय नष्ट करने से पछतावा

(ख) सब दिन रहत न एक समान

संकेत बिंदु- • परस्पर विरोधी स्थितियाँ • कभी सुख कभी दुख • न दुख में निराश हों • न सुख में इतराएँ

प्रश्न 2- परीक्षा में खराब प्रदर्शन से दुखी मित्र को पत्र लिखकर बताएँ कि प्रयास करने से सब ठीक हो जायेगा।

प्रश्न 3- दिए गए चित्र को देखकर मन में आए विचार लगभग 100 शब्दों में लिखिए।



प्रश्न 4- दिल्ली में बढ़ते प्रदूषण पर चिंता व्यक्त करते हुए दो मित्रों के बीच संवाद लगभग 50 शब्दों में लिखिए।

कार्यपत्रिका

प्रश्न 1- शब्दों में से मूल शब्द व प्रयुक्त उपसर्ग को अलग-अलग करके लिखिए।

(क) संशोधन _____ + _____

(ख) सोत्साह _____ + _____

(ग) अनुपस्थित _____ + _____

(घ) अनुसंधान _____ + _____

(ङ) लापरवाह _____ + _____

(च) अनुमति _____ + _____

(छ) अनुभव _____ + _____

(ज) आग्रह _____ + _____

(झ) बावजूद _____ + _____

प्रश्न 2- निम्नलिखित शब्दों में से मूल शब्द व प्रत्यय अलग- अलग कीजिए।

(क) भिक्षुक _____ + _____

(ख) भुलक्कड़ _____ + _____

(ग) गवैया _____ + _____

(घ) अभिनेता _____ + _____

(ङ) होनहार _____ + _____

(च) बलवान _____ + _____

(छ) पीड़ित _____ + _____

(ज) लिखावट _____ + _____

(झ) नागरिक _____ + _____

प्रश्न 3- निम्नलिखित प्रत्ययों के संयोग से दो- दो नए शब्दों का निर्माण कीजिए-

(क) आहत -

(ख) अक्कड़ -

(ग) आवट -

(घ) एला -

(ङ) नीय -

(च) इक -

(छ) आऊ -

प्रश्न 4- निम्नलिखित शब्दों की संधि कीजिए।

- परम + ईश्वर =
- परम + आत्मा =
- पर्वत + ईश्वर =
- पश्चिम + उत्तर =
- पितृ + आदेश =
- पीत + अम्बर =
- पौ + अन =
- पुण्य + आत्मा =
- नौ + अक =
- पुरुष + उत्तम =
- पूर्व + अनुराग =
- प्रति + अय =
- प्रति + एक =
- प्रति + अक्ष =

प्रश्न 5- अर्थ के आधार पर निम्नलिखित वाक्यों के भेद बताइए -

- भगवान आपका भला करे ।
- कितने लोग आए हैं ?

- अब तुम यहाँ से चले जाओ ।
- सूर्य प्रतिदिन उदय और अस्त होता है ।
- यदि वह आ जाता , तो मेरा काम बन जाता ।
- आओ , अब सो जाँ ।
- वह घर नहीं जा रहा था ।
- शायद आज दसवीं का परीक्षा-परिणाम आ जाए ।

शीतावकाश कालीन कार्य (2025 - 26)

कक्षा - नवमी

विषय - संस्कृतम्

(1) अधोलिखितं गद्यांशं पठित्वा प्रश्नान् उत्तरत।

अमर्त्यसेनः इति नाम एव संस्कृतमयम्। अमर्त्यसेनवर्यस्य जन्म शान्तिनिकेतने अभवत्। अस्य नाम गुरुदेवेन रवीन्द्रनाथवर्येण चितम्। अस्य नाम निर्दिशन् सः उक्तवान् आसीत्-‘अमर्त्यसेनः’ इत्येषः शब्दः संस्कृतमूलः, अतः एतस्य उच्चारणं स्पष्टं स्यात्, यतः अर्थपरिवर्तनं न भवेत्। शान्तिनिकेतने वसन् अमर्त्यसेनः बाल्ये संस्कृताभ्यासं कृतवान्। तस्य तीव्रः अभिलाषः अपि आसीत् यत् मातामहः क्षितीशमोहनसेन इव अहम् अपि प्रसिद्धः संस्कृतविद्वान् भवेयम् इति। अमर्त्यसेनः वस्तुतः अर्थशास्त्रिणः आसीत्। स अर्थशास्त्रे एकः शोध प्रबन्धः लिखितवान्। तस्य शोधः दरिद्रतायोपरि आसीत्। तस्य शोध प्रबन्धात् निखिलः विश्वः चमत्कृतः जातः। अनेन कारणेन सः विश्वस्य सर्वोच्च पुरस्कारः नोबल पुरस्कारः लब्धवान्।

I. एकपदेन उत्तरत।

- (i) अमर्त्यसेनस्य जन्म कुत्र अभवत् ?
- (ii) अमर्त्यसेनस्य नाम केन चितम् ?

II. पूर्णवाक्येन उत्तरत।

- i) ‘अमर्त्यसेनः’ इति नाम कीदृशम् ?
- ii) कुत्र वसन् अमर्त्यसेनः बाल्ये संस्कृताभ्यासं कृतवान् ?

III. अस्य अनुच्छेदस्य समुचितं शीर्षकं लिखत ।

IV. यथानिर्देशम् उत्तरत।

- (i) ‘अमर्त्यसेनस्य’ जन्म शान्तिनिकेतने अभवत्।’ रेखांकितस्य पदस्य क्रिया पदम् किम्?
(अ) निकेतने (ब) अमर्त्य (स) अभवत् (द) उद्भवम्
- (ii) ‘भवेयम्’ इति क्रियापदस्य किं कर्तृपदम्?
(अ) अहम्/अमर्त्यसेनः (ब) रवीन्द्रनाथ (स) गुरुदेवः (द) सर्वे

(2) भवान् निखिलः।भवतः मित्राय रक्तदानशिविरविषयकं लिखितम् इदं पत्रं मञ्जूषायां उचितपदैः पूरयत।

परीक्षा भवनात्,

मेरठतः।

दिनाङ्कः

प्रियमित्र अरुण !

(i).....।

अत्र (ii) अस्ति। ह्यः अस्माकम् विद्यालयेन (iii) आयोजनम् कृतम्। अस्माकम् (iv) प्रथमं स्वरक्तम् (v)। छात्राणाम् उत्साहम् (vi) मया अपि (vii) कृतम्। आशास्ति भवान् अपि अस्मिन् (viii) योगदानं करिष्यति। शेषं कुशलम् विद्यते।

(ix) नमः।

भवतः मित्रम्

(x)

मञ्जूषा: दृष्ट्वा, रक्तदानम्, सर्वकुशलम्, अयच्छत्, प्राचार्यः, सप्रेमनमः, रक्तदानशिविरस्य, कार्ये, निखिलः, पितृभ्याम्।

(3) रिक्तस्थानानि पूरयित्वा अधोलिखित संवादं पुनः लिखत।

शकुन्तला कोऽयम् द्वारि ?

दुष्यन्तः अहं (i) ।

प्रियंवदा हे राजन् स्वागतोऽसि। महाराज भवान्

प्रियंवदा (ii) ।

दुष्यन्तः अहम् हस्तिनापुरस्य नृपोऽस्मि ।

प्रियंवदा (iii) अस्ति।

दुष्यन्तः अहं (iv) ।

प्रियंवदा भवान् (v) ।

मञ्जूषा - अतिथिरूपेण द्वारि तिष्ठामि। , कथय किम् वृत्तान्तम् अस्ति। , अस्माकं अतिथयः(अतिथि) देवो भव। , अहं अस्य प्रान्तरे विश्रामं कर्तुम् इच्छामि। , अस्मिन् प्रान्ते आगच्छन् कः देशः शून्यम् अकरोत्।

(4) अधोलिखितां कथां मञ्जूषायाः सहायतया पूरयित्वा पुनः लिखत।

एकस्मिन् दिने (i) पत्नी सुदाम्न अवदत् हे भर्तुः (ii) यत् श्रीकृष्णः भवान् सखा अस्ति। भवान् (iii) द्वारिद्रयमस्ति । अस्माकं गृहे अशितव्यम् किञ्चिदापि नास्ति । अतः भवान् (iv).... सकाशे गच्छ कश्चित् सहायतां आनय। अहम् (v) यत् ते दीनान् दयां कुर्वन्ति। ते (vi) अस्माकं सहायतां करिष्यन्ति। भवान् इदानीम् (vii) अवस्थायाम् लज्जा न कुरु। ते अवश्यमेव सहायतां कुर्वन्तु। कथ्यते यत् (viii) मित्रमेव मित्रस्य सहायतां करोति। भवान् तेन सहायतां प्राप्नुवन्ति। येन (ix) निर्वाहं पूर्णरूपेण भविष्यति। आशासे भवान् मम प्रार्थनां (x) तत्र गमिष्यति च।

मञ्जूषा - सुदाम्नः, विपत्तौ, शृणोति, श्रूयते, इदानीम्, त्वमकथयत्, श्रीकृष्णस्य, अस्माकं, अस्यामेव, अवश्यमेव ।

(5) संस्कृत भाषा से संबंधित एक दृश्यात्मक पहेली (Visual Puzzle) तैयार करे।

(यह पहेली निम्न में से किसी एक प्रकार की हो सकती है) –

- संस्कृत Crossword (शब्द पहेली)
- संस्कृत Maze (भूल-भुलैया)
- संस्कृत Riddle Path / Question Trail (पहेली मार्ग)

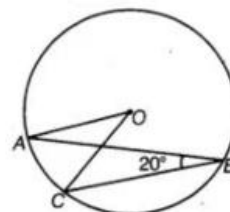
(नोट - चित्र, बॉर्डर, प्रतीक आदि का प्रयोग करके इसे A-3 शीट पर बनाएं।)

WINTER ASSIGNMENT
MATHEMATICS,
CLASS-IX (2025 – 26)

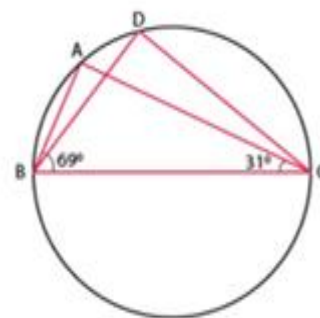
CIRCLES

1. What is the longest chord of a circle?
2. What is the length of the chord of a circle of radius 10cm if the perpendicular distance between the centre and the chord is 6cm?
3. How many circles can be drawn through any three non collinear points?

4. In figure, if $\angle ABC = 20^\circ$, then $\angle AOC$ is equal to
a) 20° (b) 40° (c) 60° (d) 10°



5. In a circle, if the length of a chord is equal to its radius, what is the measure of the angle subtended by the chord at the centre?
6. In figure, $\angle ABC = 69^\circ$, $\angle ACB = 31^\circ$, find $\angle BDC$.

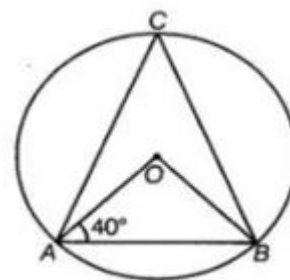


7. If $AB = 12$ cm, $BC = 16$ cm and AB is perpendicular to BC , then find the radius of the circle passing through the points A, B and C.

8. Two circles intersect at A and B. AD and AC are diameters. Prove that B lies on CD.

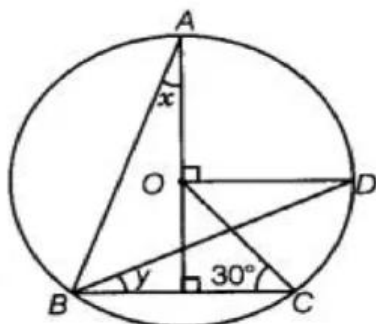
9. Prove that the quadrilateral formed by the bisectors of internal angles of a quadrilateral is cyclic.

10. In figure, if $\angle OAB = 40^\circ$, then what is the measure of $\angle ACB$?



11. Three points A, B and C are located on a circle which are equidistant from one another. If the radius of the circle is 20m. Find the length of AB.

12. In figure, O is the centre of the circle $\angle BCO = 30^\circ$. Find x and y .



SURFACE AREA AND VOLUME

1. Find the total surface area of a hemisphere of radius 7 cm.
2. The slant height of a cone is 26 cm and base diameter is 20 cm. Find its height.
3. The radius and height of a cone are in the ratio 4:3. The area of the base is 154 cm^2 . Find the curved surface area.
4. There are two cones, the curved surface area of one cone is twice that of the other. The slant height of later is twice that of the former. Find the ratio of their radii.
5. The internal and external diameters of hollow hemispherical vessel are 24 cm and 25 cm respectively. If the cost of painting 1 cm^2 surface area is Rs. 1.5, find the total cost of painting the vessel all over.
6. The surface area of a sphere of radius 5 cm is five times the area of the curved surface area of a cone of radius 4cm. Find the height of the cone.
7. The radius of a spherical balloon increases from 14 cm to 21 cm when air is being pumped into it. Then find the ratio of surface area of the balloon in the two cases.
8. The curved surface area of a cone is 12320 sq. cm , if the radius of its base is 56 cm, then find its height.
9. The radius of two similar right circular cones are 2 cm and 6 cm, find the ratio of their volumes.
10. Find the ratio of the radii of two spheres whose volumes are in the ratio 64:27.

ART INTEGRATED ACTIVITY

Make a beautiful **BROCHURE** on any one topic of NCERT Mathematics Test Book.

WINTER BREAK ASSIGNMENT
CLASS – IX
PHYSICS

Do the following questions in Physics notebook.

1. What do you understand by transformation of energy? Explain with the help of suitable example?
2. List two essential conditions for work to be done?
3. Define work? Write an expression of work in terms of force and displacement. State SI unit of work done?
4. Compare the kinetic energies of two objects of masses 10kg and 50kg respectively but having same momentum?
5. Identify the state the type of energy transformation in the following cases:
 - a. Riding a bicycle
 - b. Burning of cracker
6. Define potential energy? Write an expression for potential energy. Write the SI unit of potential energy?
7. What is work done by the force of gravity on a satellite moving round the earth? Justify the answer?
8. Define kinetic energy? Write an expression for kinetic energy? Write the SI unit of kinetic energy?
9. Define 1 Watt of power? A lamp consumes 1000J of electrical energy in 10s. Calculate its power?
10. Does the gravitational potential energy of a body depend on the path along which the body is moved, while going from one point to another? Illustrate your answer with the help of suitable example?
11. An object thrown at a certain angle to the ground moves in a curved path and falls back to the ground. The initial and the final points of the path of the object lie on the same horizontal line? What is the work done by the force of gravity on the object?
12. State the kind of energy transformation that takes place in the following devices:
 - a. Solar battery
 - b. Electric motor
 - c. Microphone
 - d. Thermal power plant
 - e. Hydroelectric power plant
13. Define potential energy? Give SI unit? State two factors on which the magnitude of potential energy depends. Give one example each for the change in potential energy due to:
 - a. position
 - b. configuration of the body?
14. Calculate the kinetic energy of a car of mass 750kg moving with a velocity of 54km/h. Find the new kinetic energy of a car if passenger of mass 50kg sit in the car?
15. Calculate the kinetic energy of a car of mass 500kg moving with a velocity of 18Km/h. Find the new kinetic energy if two passengers of mass 50 kg each sit in the car?

Holiday homework Science (Chemistry) Class -IX

A. Activity-Based Homework

1. Observation of Change in States of Matter

Objective: Show melting, freezing, condensation, and evaporation.

Materials: Ice cubes, a glass, water, a spoon, and a heating source.

Instructions: Observe how ice melts into water and how water evaporates temperature changes and time.

2. Evaporation Rate Comparison

Objective: Compare how fast water evaporates under different conditions

Materials: 3 cups of water, fan, sunlight, room temperature.

Instructions: Measure and compare the time taken for evaporation.

3. Effect of Surface Area on Evaporation

Objective: Understand how surface area affects evaporation.

Materials: Water, a plate, a bowl, and a glass.

Instructions: Pour equal amounts of water and observe evaporation speed

4. Model Making: States of Matter

Make a 3D model showing solid, liquid, and gas particles using clay or the

B. ART INTEGRATED ACTIVITY

5. Science Comic or Storyboard

Make a comic strip explaining states of matter through characters like "So Lily", and "Gas Gary".

Worksheet Chemistry

IX

1. A substance has particles with very weak force of attraction and very high kinetic energy.

- (a) Identify the state of matter
- (b) Give two characteristics of this state.

2. Define latent heat of fusion. Why does the temperature remain constant during melting of ice?

Draw the Bohr model of an atom having atomic number 13 and label all parts.
Also write the number of electrons in each shell.

3. Convert the following temperatures:

- (a) -10°C into Kelvin
- (b) 373 K into Celsius
- (c) 45°C into Kelvin

4. State two differences between:

- (a) Isotopes and Isobars
- (b) Electron and Proton

5. A diver is able to cut through water in a swimming pool. Which property of matter does this observation show?

6. What are the characteristics of the particles of matter?

7. Liquids generally have lower density as compared to solids. But you must have observed that ice floats on water. Find out why.

8. How much water should be added to 15 grams of salt to obtain 15 percent salt solution?

9. Explain why, water is a compound and not a mixture?

10. What are the characteristics of Metal, Non-Metal and Metalloids?

Winter Break Assignment
Class XI – Biology (044)

Q 1. Compare the use of manures and fertilizers in maintaining soil fertility.

Q 2. Identify the type of tissue in the following:

- a) Heart
- b) Duct of salivary glands
- c) Vascular bundles
- d) Larynx
- e) Bark of tree
- f) Skin

Q 3. What is mixed cropping? What are its advantages.

Q 4. What are functions of: a) Lysosome b) Mitochondria c) Nucleus

Q 5. Why is it advisable to grow legume between two cereal crops?

Q 6. Give two examples of osmosis that takes place naturally in nature.

Social Science

Class IX

Assignment Chapter Climate

- Q1. Describe the main features of retreating Monsoon season of India
- Q2. What is the windward side of the mountain?
- Q3. Why do the Monsoon winds change their direction?
- Q4. What type of Climate does Rajasthan desert have?
- Q5. Compare and Contrast Loo with Western Disturbances.
- Q6. Name the areas affected by tropical cyclones in India.
- Q7. Explain the onset and advancement of Monsoon in India.
- Q8. Discuss the main features of the hot weather season of India. Write its duration.
- Q9. Why are South West Monsoons less rainy in Chennai?
- Q10. Why does Delhi receive more rain than Jodhpur?

[11:20 am, 21/12/2025] Saraswati Rao: Social Science

Class IX

Assignment

Chapter: Working of Institutions

- Q1. What is public interest litigation? What is its importance?
- Q2. Which house of Parliament is more Powerful and why?
- Q3. Analyse the reaction of the people after the implementation of the Mandal Commission Report.
- Q4. State the main recommendations of Mandal Commission.
- Q5. Describe the Presidential system of Government with the help of suitable examples.
- Q6. Why is the Indian judiciary considered one of the most powerful in the World? Give two reasons.

Q7. Name the institutions that take all important policy decisions.

Q8. How can the judge of the Supreme Court be removed?

Q9. How does Judiciary check the working of the executives.?

Q10. What is Appellate Jurisdiction?

WINTER HOLIDAY HOMEWORK

ARTIFICIAL INTELLIGENCE

(SUBJECT CODE - 417)

CLASS – IX

➤ Prepare a presentation on the given topics:-

1. Data literacy (Roll no.: 1-15)
2. Generative AI (Roll no.: 16-30)
3. Applications of AI in Daily Life (Roll no.: 31 onwards)

Note:- 1. Submit the hardcopy of the presentation.

2. Presentation should have 10-12 slides only.

➤ Project Work

Design an Advertisement for a New Product

- Design it digitally (use any platform like Canva, PowerPoint)
- Product can be of your choice.

It should Include:

- Catchy tagline
- Clear image or drawing of the product
- Short and simple message
- Contact or brand name

Note:- Submit the hardcopy of the Advertisement design

➤ Do the given worksheet in notebook.

WORKSHEET
ARTIFICIAL INTELLIGENCE
(SUBJECT CODE - 417)
CLASS – IX

Q1. Write the full forms of the following abbreviations.

1. HTTPS
2. SMTP
3. FTP
4. TCP/IP
5. DNS
6. ISP

Q2. Write the programs along with output.

1. Write a program to access the second element of a list.
2. Write a program to print the last element of a list.
3. Write a program to add an element to a list using **append()**.
4. Write a program to delete the last element of a list.
5. Write a program to print numbers from **1 to 10** using a loop.
6. Write a program to input marks of 5 subjects and calculate the **percentage**.
7. Write a program to input a list of numbers and find the **maximum**.