

HOLIDAY HOMEWORK
CLASS-IX
SUBJECT : Art Education

1. Nature Study – Drawing & Painting

अपने आसपास के किसी natural scene का pencil sketch बनाकर उसे water colour/poster colour/oil pastel से complete करें।

Size: A4 sheet

2. Indian Folk Art Composition

किसी एक भारतीय लोक कला शैली में composition बनाइए:

Madhubani

Warli

Saura

Pattachitra

Size: A4sheet

HOLIDAY HOMEWORK

CLASS-IX

SUBJECT : SST

Chapter-1

Early Human and Beginning

1. Imagine that the Harappan script gets deciphered tomorrow. What new types of information do you think historians might learn?
2. Prepare a table with three columns-paleolithic, Mesolithic and Neolithic and fill in their distinctive features: tools, settlements, art and subsistence.
3. Activity: Using maps, locate the major rivers and civilisation of Mesopotamia, Egypt, China, and the Sindhu- Sarasvati valley. Mark the trade links between them.
4. Activity Choose one early civilisation (Mesopotamia, Egypt, or China) and prepare a mini-scrapbook or a presentation showing their innovations in tools, writing, art and architecture. Include pictures, brief descriptions, and explain their significance.
5. Compare and contrast the Paleolithic and Neolithic ages in terms of tools, food habits, and social life.

Unit - 2

State and Society

1. Explain how assemblies like Sabha and Samiti limited the power of the Raja which modern institutions perform similar functions today.
2. What do the terms Varuna and Jati refer to in early Indian society & how were they different and what factors may have contributed to the formation of various Jatis?
3. How did political organisation change from the Vedic period to the age of large empires such as the Mauryas and the Guptas? Explain the administrative system of the early Indian States.
4. What do early texts such as the Rigveda Arthashastra, and the Mahabharata reveal about political and social life?

Geography & Civics

Learn following questions .

1. Why should we study Social Science?
2. Discuss landforms created by running water?
3. Explain the structure of atmosphere?
4. Describe the principles of democracy?
5. Mention the functions of election commission of India.

ECONOMICS

1. Write a comparison between Planned economy and Market economy with example.
2. Can effective economic decisions be made without reliable data? Support your answer with an example.
3. Why do you think people's wants keep changing over time? How does this affect production in an economy? Why cannot all our wants be satisfied?
4. Why are public services usually not provided by private companies?

5. Categorise the following combination of goods into substitute goods and complementary goods.

- a. Movie ticket in the cinema hall and popcorn
- b. Eraser and pencil
- c. Laptop and computer
- d. Air Conditioner and cooler
- e. Notebook and pen
- f. Apple and banana
- g. Mobile and earphones

6. Can excessive government regulation hurt markets? Explain with suitable examples.

7. If petrol prices double, what happens to

- a. Demand for diesel cars
- b. Demand for electric cars
- c. Demand for car accessories
- d. Demand for public transport

8. Draw a market equilibrium graph using the following demand schedule.

Price (₹) 25 20 15 10 5	10	20	30	40	50
Q.D. (kg)	5	10	15	20	25
Q.S. (kg)	25	20	15	10	5

- a. Plot the demand and supply curve using the above data.
- b. Identify the equilibrium price and quantity.
- c. Observe the above data and analyse what happens if the price is set at ₹20 or ₹40.

HOLIDAY HOMEWORK

CLASS-IX

SUBJECT : Science

Section A: Basic Questions

1. A car starts from rest and accelerates uniformly at 2 m/s^2 for 5 seconds. Calculate its final velocity.
2. A bicycle moving at 5 m/s accelerates at 2 m/s^2 for 4 seconds. Find its final velocity.
3. A car starts from rest and accelerates at 3 m/s^2 for 6 seconds. Calculate the distance travelled.
4. A train moving at 20 m/s comes to rest in 10 seconds. Calculate its acceleration.
5. A body moving with an initial velocity of 10 m/s accelerates at 2 m/s^2 for 5 seconds. Find the distance travelled.

Section B: Intermediate Questions

6. A car moving at 10 m/s accelerates uniformly at 2 m/s^2 . Calculate its velocity after travelling 100 m.
7. A body starts from rest and covers a distance of 100 m in 10 seconds. Find its acceleration.
8. A train increases its velocity from 10 m/s to 30 m/s in 5 seconds. Calculate its acceleration.
9. A car moving at 25 m/s stops after travelling 50 m. Calculate its retardation.
10. A motorcycle accelerates uniformly from 5 m/s to 25 m/s in 10 seconds. Calculate the distance travelled.

Section C: Higher-Level Questions

11. A car starts from rest and accelerates uniformly at 4 m/s^2 . Calculate the time required to reach a velocity of 20 m/s .
12. A train moving at 15 m/s accelerates uniformly at 1 m/s^2 for 10 seconds. Find its final velocity and distance travelled.
13. A ball is thrown vertically upward with an initial velocity of 30 m/s . Calculate the time taken to reach its highest point.
14. A body moving at 20 m/s is brought to rest by applying brakes over a distance of 40 m. Calculate its acceleration.
15. A car increases its velocity from 10 m/s to 20 m/s while travelling 75 m. Calculate its acceleration.
16. Write down the advantage of crystallization?
17. How salt is prepared from sea water?
18. Write down a notes on fractional distillation of crude petroleum with diagram?
19. What is Tyndall effect ? Give any two daily life examples where Tyndall effect is seen?
20. Explain about the different cell organelle found in the cell with necessary diagram ?

HOLIDAY HOMEWORK

CLASS-IX

SUBJECT : Hindi

भाग-क : पाठ्यपुस्तक आधारित कार्य (गंगा एवं R-2)

1. पाठ-पठन एवं शब्दार्थ — गंगा पुस्तक तथा R-2 में पढ़ाए गए प्रत्येक गद्य/पद्य पाठ को ध्यान से पढ़ें। प्रत्येक पाठ से 10 कठिन शब्द चुनकर अर्थ लिखें और उनमें से 5 शब्दों के वाक्य बनाएँ।
2. पाठ का सार — पाठ्यपुस्तक के किन्हीं 3 गद्य-पाठों का 100–120 शब्दों में सार लिखें। सार में मूल भाव और प्रमुख घटनाएँ ही रखें।
3. कविता का भावार्थ — निर्धारित पाठ्यपुस्तक की किसी 2 कविताओं/पद्यांशों की 6–8 पंक्तियाँ लिखकर उनका सरल भावार्थ अपने शब्दों में लिखें।
4. पात्र-विश्लेषण — पढ़े गए किसी एक कहानी/गद्य-पाठ के प्रमुख पात्र का चरित्र-चित्रण 120–150 शब्दों में लिखें। उसके गुणों के समर्थन में पाठ से उदाहरण दें।
5. शीर्षक की सार्थकता — किसी एक पाठ के शीर्षक की सार्थकता 80–100 शब्दों में स्पष्ट करें।
6. पाठ से सीख — पाठ्यपुस्तक के किन्हीं 2 पाठों से मिली सीख लिखें। प्रत्येक के लिए 5 बिंदु दें और बताएं कि उसे जीवन में कैसे अपनाएँगे।

भाग-ख : वैचारिक एवं रचनात्मक लेखन

7. अनुच्छेद लेखन (लगभग 120–150 शब्द) — “मोबाइल फोन: उपयोग और दुरुपयोग”
8. अनुच्छेद लेखन (लगभग 120–150 शब्द) — “पर्यावरण संरक्षण में विद्यार्थियों की भूमिका”
9. विचारात्मक लेख (150–180 शब्द) — “अनुशासन सफलता की पहली सीढ़ी है”—इस कथन के पक्ष में अपने विचार उदाहरण सहित लिखें।
10. विचारात्मक लेख (150–180 शब्द) — “अंक महत्वपूर्ण हैं, लेकिन ज्ञान उससे भी अधिक महत्वपूर्ण है”—अपने विचार लिखें।
11. संवाद लेखन — दो मित्रों के बीच परीक्षा की तैयारी और समय-प्रबंधन पर 10–12 संवाद लिखें।
12. पत्र लेखन — अपने मित्र को पत्र लिखकर छुट्टियों में पढ़ने, खेलकूद और परिवार के साथ समय बिताने की संतुलित योजना बताएँ।
16. कहानी लेखन — “ईमानदारी का फल” शीर्षक से 150 शब्दों की मौलिक कहानी लिखें। अंत में शिक्षा भी लिखें।

भाग-ग : व्याकरण एवं भाषा-अभ्यास

17. उपसर्ग और प्रत्यय: “असफलता, अनुशासन, मानवता, सुंदरता, उपकार” शब्दों में उपसर्ग/प्रत्यय पहचानिए और मूल शब्द लिखिए।
 18. शब्द-भेद: नीचे दिए वाक्य में संज्ञा, सर्वनाम, विशेषण और क्रिया पहचानिए—“मेहनती विद्यार्थी प्रतिदिन अपनी पुस्तक ध्यान से पढ़ते हैं।”
 19. पर्यायवाची: जल, पृथ्वी, सूर्य, मित्र और वन के दो-दो पर्यायवाची लिखिए।
 20. विलोम: सफलता, आशा, स्वच्छ, आरंभ, स्वतंत्र और लाभ के विलोम लिखिए।
 21. मुहावरे: आँखों का तारा, हाथ बँटाना, दाँत खट्टे करना, नाक कटना और कमर कसना—अर्थ लिखकर प्रत्येक का एक वाक्य बनाइए।
 22. विराम-चिह्न: उचित विराम-चिह्न लगाइए—राम ने कहा क्या तुमने गृहकार्य पूरा कर लिया मोहन बोला हाँ मैंने पूरा कर लिया।
- शुभकामनाएँ! नियमित अभ्यास करें, पढ़ें और अपने विचारों को स्वतंत्र रूप से व्यक्त करें।

HOLIDAY HOMEWORK
CLASS-IX
SUBJECT : Odia

୧. ଝାରସୁଗୁଡ଼ା ଜିଲ୍ଲାର ଇତିହାସ, ହଳଧର ନାରାୟଣ ଜୀବନୀ ଓ କୃତି, ଜଳ ସଂରକ୍ଷଣ, ଦୁର୍ଗାପୂଜା - ରଚନା
୨. ପ୍ରକୃତ ବନ୍ଧୁ, ବାମନର ହାତ ଓ ଆକାଶର ଚନ୍ଦ୍ର, ହେ ମୋର କଲମ, ମଣିଷ ଭାଇ - ପାଠଗୁଡ଼ିକର ଲିଖନ

EMRS KIRMIRA

CLASS 9 – HOME TASK FOR AUTUMN BREAK

Subject: Mathematics

1. Find the distance between the points:

(a) $(-3, 0)$ and $(4, 5)$

(b) $(2, 3)$ and $(6, -3)$

2. Plot the points $(-5, -1)$, $(-2, 5)$ and $(4, -12)$.

3. Find the value of the quadratic polynomial $7x^2 - 4x + 6$ if:

(i) $x = 0$ (ii) $x = -3$ (iii) $x = 4$

4. The difference between two positive integers is 63. The ratio of the two integers is 2 : 5. Find the two integers.

5. Find the sum:

(a) $2/5 + 3/10$ (b) $7/12 + 5/8$ (c) $-4/7 + 3/14$

6. Find the difference:

(a) $5/6 - 1/4$ (b) $11/8 - 3/4$ (c) $-7/9 - (-2/3)$

7. Find the product:

(a) $2/3 \times 3/10$ (b) $7/11 \times 5/8$ (c) $-4/7 \times 5/14$

8. Find the quotient:

(a) $2/3 \div 3/10$ (b) $7/11 \div 5/8$

9. Find 5 rational numbers between $2/5$ and $3/5$.

10. If $x/3 + 2/5 = 16/15$, find the rational number x .

11. Find:

(a) $(7x + 4y)^2$ (b) $(5p - 7q)^2$

12. Find:

(a) 199^2 (b) 147^2 (c) $(x - y/3)^2$

HOLIDAY HOMEWORK

CLASS IX – PHYSICAL EDUCATION

Student's Name: _____

Section: _____

Roll No.: _____

Submission Date: _____

Instructions: Answer all five questions in your own words. Use clear headings and add relevant pictures or diagrams wherever suitable. Keep your work neat and present it in a holiday homework notebook or file.

1. The Olympic Games and India

Write about the Ancient Olympic Games and the Modern Olympic Games. Also explain India's participation and achievements in the Olympic Games. Include a few important Indian Olympic medal winners.

2. Yoga in Physical Education

Explain the meaning and importance of Yoga in Physical Education. Write about any five yoga asanas or pranayama practices and describe their benefits.

3. Rules of Kabaddi and Kho-Kho

Write the basic rules and regulations of Kabaddi and Kho-Kho. Include the number of players, duration of the match, playing area, and how a team scores points.

4. My Favourite Sportsperson

Choose any sportsperson you admire. Write about their early life, sport, major achievements, awards, and the qualities or lessons you learn from them. Add a picture if possible.

5. Physical Education, Nutrition and Health

Explain the importance of Physical Education in daily life. Define health and nutrients, name the main classes of nutrients, and describe how a balanced diet and regular physical activity help us stay healthy.

Good luck! Learn, stay active, and stay healthy.

Holiday Homework

Class IX

Section A: Literature

Answer the following questions.

1. What message does the poem 'Nine Gold Medals' convey about kindness, unity, and sportsmanship?
2. Why did the runners in 'Nine Gold Medals' stop running, and what did they do next?
3. What changes does the chapter 'Winds of Change' describe?
4. What is the central idea of the poem 'I Cannot Remember My Mother' by Rabindranath Tagore?
5. How does the poet remember his mother through the sights and sounds of nature in 'I Cannot Remember My Mother'?

Section B: Writing

6. Notice Writing

You are the Cultural Secretary of your school. Write a notice informing students about an upcoming "Inter-House Debate Competition" on the topic "Technology: A Boon or a Bane". Mention the date, time, venue, and the last date for registration. Write the notice in about 50 words.

Section C: Grammar

A. Modals

7. Students _____ wear their school uniforms regularly. (must/might)
8. _____ you please help me with this question? (Could/Must)
9. We _____ respect our teachers and elders. (should/may)
10. It _____ rain tonight, as dark clouds are gathering. (might/should)
11. When I was younger, I _____ run very fast. (could/would)

B. Adjectives

Identify the adjective in each sentence and mention its kind.

12. There are five students standing outside the classroom.
13. There is little water left in the bottle.
14. My brother is a doctor.
15. Those birds are flying in the sky.
16. The beautiful girl won the competition.