

St. Andrews Scots Sr. Sec. School
9th Avenue , I.P. Extension, Patparganj, New Delhi-92
Session 2023-24
Class-9th

**WINTER
HOLIDAY
HOMEWORK**

Session:2023-24
Class- 9th

**The great aim of
education is not
knowledge but action.**

Sanskrit

प्रश्न-1 नदी, लता, युष्मद्, फल, किम् (तीनों लिंगों में) शब्द रूप लिखिए तथा याद कीजिए ।

प्रश्न-2 सेव्, लभ्, रुच्, भू, अस्, धातु रूप (लट्, लृट्, लंग, लोट्, विधिलिङ्) पांचो लकार में लिखिए तथा याद कीजिए।

प्रश्न-3 पत्र लेखनम् - पत्र संख्या 8, 10, 12, 20, 21(Together with) से A-4 साइज़ शीट पर लिखकर अभ्यास कीजिए।

प्रश्न-4 पंच चित्राधारितं सरल संस्कृते पंच वाक्यानि लिखत् । (A -4 साइज़ शीट पर)

प्रश्न-5 सावधिक परीक्षा (P.T. 3) पाठ्यक्रम याद कीजिए।

प्रश्न-6 व्यंजन संधि पृष्ठ संख्या 77,78,79 (Together with) से अभ्यास कीजिए।

नोट : (1). प्रश्न 1,2, उत्तर पुस्तिका (Notebook) में कीजिए ।
(2).प्रश्न 3, 4 (A-4 साइज़ शीट पर) कीजिए।
(3).प्रश्न 6 (Together with) में अभ्यास कीजिए

Science

Q1. Make a portfolio on “Natural Resources”. (Pages 6-10)

Q2. Complete your notes of physics, chemistry and biology.

Social Science

INSTRUCTIONS:-

- Do the project in a project file.
- Complete the chapters done in class.
- Revise all the work done in class.

Q1. Prepare a project file on any one natural disaster and one human induced disaster (HID). The project should include the following.

- Your opinion on how to control HID
- Helping guidelines Post disaster
- Clear, related and coloured pictures
- Usage of pictures and graphs is compulsory for the activities.
- Problems faced by victims
- Project should be based on individual research.
- Minimum 8-10 pages.
- The activities must be done in the project file itself.

English

1. Develop a short story in 100-120 words, using the following hints.

Hints: Four animals – a wildcat, a mongoose, a rat and an owl – live in a tree. Owl and mongoose afraid of the cat. Rat afraid of all the three. One day cat got caught in a trap. Everyone happy. Owl wants to eat rat. Mongoose wants to eat rat. Rat knows he is in trouble. Quickly nibbles at the net. Saves cat. Seeing cat owl and mongoose flee. Rat also runs and saves his life.

2. You are going on a school picnic with your classmates and teachers. You are very excited. The night before the trip you sit down to write your diary. Describe what you have planned for the picnic and how you hope to enjoy yourself there. You are Rajesh. Write your diary in 100-150 words.

3. Complete the notes of all the chapters that are shared in the class group.

4. Revise the syllabus done till date.

Artificial Intelligence

- DO THE FOLLOWING QUESTIONS IN YOUR AI NOTEBOOK

1. What is the difference between cooperative and cooperation?
2. List any 4 business essential activities.
3. Explain types of business ownership.
4. What are domains of AI?
5. Write application of AI.
6. Prepare oral presentation according to roll numbers allotted-
1-15 an entrepreneur has the power to change the world
16-30 basic difference between traditional business and entrepreneurial entity
31-50 how AI contribute to development of human being
7. Complete your notes in AI notebook.
8. Learn syllabus covered till now for test.

Hindi

1. संवाद लेखन किसे कहते हैं? अपने भाई के जन्मदिवस पर मित्र को आमंत्रित करते हुए दूरभाष पर होने वाला संवाद लिखिए।
2. दिल्ली की बदलती तस्वीर विषय पर एक अनुच्छेद लिखिए।
3. आप कुछ कारणों से अपने मित्र के भाई के विवाहोत्सव में सम्मिलित नहीं हो पाए। इस संबंध में अपने मित्र को एक पत्र लिखकर खेद व्यक्त कीजिए।
4. विदेश में स्थित अपने मित्र को दिवाली पर्व की विशेषताओं का उल्लेख करते हुए पत्र लिखिए।

5.कक्षा में करवाया गया कार्य पूरा करो तथा याद भी करो।

Mathematics

Q.1 conical tent is 10 m high, and the radius of its base is 24 m. Find

(i) slant height of the tent.

(ii) cost of the canvas required to make the tent, if the cost of 1 m² canvas is Rs 70.

(Assume $\pi=22/7$)

Q.2 What length of tarpaulin 3 m wide will be required to make a conical tent of height 8 m and base radius 6m? Assume that the extra length of material that will be required for stitching margins and wastage in cutting is approximately 20 cm. [Use $\pi=3.14$]

Q.3 The slant height and base diameter of the conical tomb are 25m and 14 m, respectively. Find the cost of whitewashing its curved surface at the rate of Rs. 210 per 100 m². (Assume $\pi = 22/7$)

Q.4 A bus stop is barricaded from the remaining part of the road by using 50 hollow cones made of recycled cardboard. Each cone has a base diameter of 40 cm and height 1 m. If the outer side of each of the cones is to be painted and the cost of painting is Rs. 12 per m², what will be the cost of painting all these cones? (Use $\pi = 3.14$ and take $\sqrt{1.04} = 1.02$)

Q.5 The radius of a spherical balloon increases from 7cm to 14cm as air is being pumped into it. Find the ratio of surface areas of the balloon in the two cases.

Q.6 A hemispherical bowl is made of steel, 0.25 cm thick. The inner radius of the bowl is 5cm. Find the outer curved surface of the bowl. (Assume $\pi = 22/7$)

Q.7 A right circular cylinder just encloses a sphere of radius r (see fig. 13.22). Find

(i) surface area of the sphere,

(ii) curved surface area of the cylinder,

(iii) ratio of the areas obtained in(i) and (ii).



Q.8 Find the radius of a sphere whose surface area is 154 cm^2 . (Assume $\pi = 22/7$)

Q.9 A hemispherical bowl made of brass has an inner diameter 10.5 cm . Find the cost of tin-plating it on the inside at the rate of Rs 16 per 100 cm^2 . (Assume $\pi = 22/7$)

Q.10 The diameter of the moon is approximately one-fourth of the diameter of the earth.

Find the ratio of their surface areas.

Arts

1. Students complete your art file work and practice water color work on any project for example you can draw landscape or any animation work or still life or any human composition but do it with medium of water color.

