

D.A.V PUBLIC SCHOOL, SECTOR -7, ROHINI

Summer Holidays Homework -2024-25 Class VII

Summer is Here: Time to Shine!

The summer is here! Sunshine, freedom, and endless possibilities await. As the quote says, "Leisure is a prerequisite to fulfill one's dreams and aspirations."

Think of summer vacation as a chance to recharge your batteries. Take a break from going to school regularly and explore the world around you. Spend quality time with your loved ones, rediscover your hobbies, or even pick up something new!

We've got a whole bunch of exciting activities planned to keep you energized and creative. These activities will not only be fun, but they'll also help you review what you learned in school and make those lessons come alive!

So relax, unwind, and embrace the summer spirit. It's time to learn, explore, and create - all while having a blast!

ENGLISH

Q1. Do the following on A4 size sheets and compile it in a beautiful folder. This homework is compulsory for all the students.

- a) "Grandparents bring warmth and affection to family life." List at least 6-8 ways in which they bring joy to the family. (You can use your creativity making a web chart, flow chart etc.**
- b) Prepare a card for your grandparents and write a message explaining how they are an important part of your family. Also paste their photograph.**
- c) Joint families and nuclear families have their pros and cons. Write an article comparing them on the topic 'Joint family vs nuclear family'**

HINDI-

1. महिला सशक्तिकरण - देश और समाज की उन्नति एवं विकास में महिलाओं का योगदान (वैज्ञानिक, चिकित्सक, इंजीनियर, शिक्षक, नेता, खिलाड़ी, लेखक और कवि, कृषक और सैनिक आदि) इन्हें आधार बनाकर एक परियोजना तैयार कीजिए।

परियोजना के लिए निम्नलिखित बिंदुओं को ध्यान में रखिए-

जैसे: कवर पेज, मेरा परिचय, विषय सूची, अभिस्वीकृति और दिए गए सभी के विषय में जानकारी (प्रत्येक के लिए एक पेज)

भिन्न-भिन्न रंगों और चित्रों का प्रयोग कर आकर्षक, सृजनात्मक एवं कलात्मक कार्य परियोजना (8-10 पेज) बनाएँ।

2. प्रत्येक व्यक्ति के जीवन में एक आदर्श व्यक्ति होता है जिससे वह प्रेरणा लेता है और बहुत कुछ सीखता है। आप अपने जीवन में किसे आदर्श मानते हैं उनका चित्र दर्शाते हुए बताएँ कि आप उनके कौन-कौन से गुणों को अपनाना चाहेंगे और क्यों?

आपका कार्य आंतरिक मूल्यांकन के अंतर्गत जाँचा जाएगा।

MATHEMATICS

Mathematics gives us hope, that every problem has a solution.

COMPULSORY WORK

1. In an Assignment Copy do the below mentioned two assignments and practice B.T questions of Ch1 and Ch2 in same.

• ASSIGNMENT 1

1. The sum of the rational numbers $-\frac{8}{19}$ and $-\frac{4}{57}$ is
(a) $-\frac{5}{57}$ (b) $\frac{7}{22}$ (c) $-\frac{28}{57}$ (d) $\frac{4}{27}$

2. What number should be added to $\frac{3}{8}$ to get $-\frac{1}{24}$?
(a) $-\frac{5}{12}$ (b) $-\frac{7}{23}$ (c) $\frac{31}{72}$ (d) $\frac{2}{33}$

3. Which of the rational numbers $\frac{4}{9}$, $-\frac{5}{6}$, $-\frac{7}{-12}$ and $\frac{11}{-24}$ is the smallest?
(a) $\frac{4}{9}$ (b) $-\frac{5}{6}$ (c) $-\frac{7}{-12}$ (d) $\frac{11}{-24}$

4. Which of the rational numbers $-4/9$, $5/-12$, $7/-18$, $2/-3$ is the greatest?
(a) $7/-18$ (b) $-4/9$ (c) $2/-3$ (d) $5/-12$
5. Simplify: $2/3 + -4/5 + 7/15 + -11/20$
(a) $-1/5$ (b) $-13/60$ (c) $-4/15$ (d) $-7/30$
6. What number should be subtracted from $-3/4$ to get $5/6$?
(a) $-3/10$ (b) $-5/24$ (c) $-19/12$ (d) $9/25$
7. Which of the following rational numbers is in the standard form?
(a) $-9/28$ (b) $-26/78$ (c) $-14/16$ (d) $48/-96$
8. The sum of two rational numbers is -7 . If one of the numbers is $-15/19$, the other number is
(a) $-21/10$ (b) $-57/16$ (c) $7/9$ (d) $-118/1$
9. Which of the following forms a pair of equivalent rational numbers?
(a) $24/40$ and $35/50$ (b) $-25/35$ and $55/-77$ (c) $-8/15$ and $-24/48$ (d) $9/72$ and $-3/21$
10. The value of $(-8/13 \times 26/-31)$ is
(a) $-8/13$ (b) $-7/26$ (c) $-4/13$ (d) $16/3$
11. The reciprocal of a negative rational number
(a) positive (b) negative (c) either a positive or a negative (d) does not exist
12. The value of $(-16/21 \div -4/3)$ is
(a) $-3/10$ (b) $-7/21$ (c) $4/7$ (d) $-7/6$
13. Fill in the blanks: $5/12 \div (\quad)$
(a) $-21/36$ (b) $-12/19$ (c) $-5/18$ (d) $-3/14$
14. The product of two numbers is $-20/9$. If one of the numbers is 4 , find the other.
(a) $-5/9$ (b) $3/11$ (c) $12/39$ (d) $-9/11$

ASSIGNMENT 2

PORTFOLIO WORK

1. On an A-4 size sheet create a table consisting of all properties on Operations of Rational Number. A sample of same has been shared with you. Make it neat and presentable.

SCIENCE

1. Learn all the question answers of chapter-1 and chapter-5.(objective, short and long answers)

2. Paste and solve the assignments of Ch-1 and Ch-5 in notes register . The assignments will be send in your class groups.

3. Learn symbols of elements and stepwise formula writing of compounds from Chapter-3 (Chemical substances and processes)

4. Write the chemical formulas of 10 chemical compounds ,their chemical name and the substances in which they are present in an innovative manner.

SOCIAL SCIENCE -

- Learn and practice all the work done till now.
- Preserve the portfolio work in the Social Science portfolio file.
- Make best use of the material available in your home.
- Bold and catchy captions/ titles relevant to the topic will be preferred.

Portfolio activities: (Compulsory for all the students)

1. Make a collage on the temples of South India built in the medieval period on an A-4 size sheet. (L-11)
2. Make an advertisement to create awareness about literacy/health on an A-4 size sheet. (L-21)

SANSKRIT -

सभी छात्रों को सुखद भविष्य की परमपिता परमेश्वर से मंगलमय शुभकामनाएँ । आप सपरिवार सुखी व आनंदित रहें।

1-: अनुक्रमांक 1 से 10 तक पंचतंत्र पुस्तक से संस्कृत भाषा में दो शिक्षाप्रद कहानी लिखें।

2-: अनुक्रमांक 11 से 20 तक(विद्या) विषय को आधार मानते हुए 5 श्लोक संस्कृत में लिख कर अर्थ सहित लिखें।

3-: अनुक्रमांक 21 से 30 तक सभी छात्र(उद्यानम्) विषय पर संस्कृत भाषा में पृथ्वी दिवस को आधार मानते हुए ,संस्कृत में । निबंध लिखें।

4-: अनु क्रमांक 31 से 40 तक(मम प्रिय विद्यालय :)विषय पर संस्कृत में निबंध लिखें।

5- अनुक्रमांक 41 से अंत तक सभी छात्र (मम प्रिय मित्रम्) विषय पर संस्कृत भाषा में निबंध लिखें।

नोट सभी छात्र अपना कार्य ¼ सीट पर सुंदर चित्रों सहित पीडीएफ फॉर्म में करें।

ARTIFICIAL INTELLIGENCE (A.I)COMPUTER

1. Make an E-Poster, using any software of your choice, on A4 SIZE SHEET on any one of the topics-

Capabilities of AI in future OR Three types of AI with examples of each

_Take a coloured print out and submit after vacation.

2. Watch the video on computer generations (URL given on page no- 2 , under Activity point 1 of ICT text book)

→ On coloured A4 size cartridge sheets , make a table with the specifications given below,

→ Now search from google, print and paste the pictures of the devices used during each generation.

→ you may also take reference from pg no. 5 to 9 of ICT text book to make the table.

→ This may be done in a group of 2 to 5 students. You may make groups as per your choice and convenience. Mention the names of the group members at the end of the table.

COMPUTER GENERATION	YEAR	TECHNOLOGY USED	PICTURE OF THE DEVICES USED
I			
II			
III			
IV			
V			

3. Its Gaming time-

Play the game Thing Translator through any device, attached with a camera through

the following URL.

<https://experiments.withgoogle.com/thing-translator>

Click on “ Launch Experiment “ button. Hold the object in front of your camera and click a picture. This AI enabled game will tell you about the object. Make a list in your Copy about any 10 objects you had shown and how many it could identify.

ART & CRAFT

Complete pages 33-40 of step by step at home (Do the pending work if not done)

Create a Folk Art Painting on A3size ivory sheet. e.g. Mithila art, Warli painting

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Models-

English- Roll No (1-4)	Find some beautiful quotes on the following topics: Nature, Friendship, Discipline. Write it neatly on A4 size sheets and arrange them in the form of a wall hanging.
Hindi - Roll No (5-8)	योग से मनुष्य में आत्मबल बढ़ता है। शारीरिक तंदुरुस्ती और मानसिक शांति प्रदान करने वाले विभिन्न योगासनो(5) को क्ले द्वारा दर्शाते हुए सुंदर मॉडल का निर्माण करें।
Maths Roll No (9-12)	Design a miniature model city that incorporates mathematical principles such as symmetry, scale, and measurement. Include buildings, roads, parks, and other features. Label the different parts of the city with their corresponding measurements. Be creative and have fun!
Maths Roll No ((13-16))	Create a blueprint for a rectangular garden with specified dimensions. Calculate the perimeter and area of the garden and include these measurements in your blueprint. Add features such as

	flower beds, paths, and fences, and determine their dimensions based on the perimeter and area constraints.
Maths. Roll No (17-20)	Create a geoboard model that allows students to explore and construct various quadrilaterals like rectangle, square, parallelogram, trapezium, rhombus. Using Wooden board or corkboard, Nails or push pins, Rubber bands of various sizes and colour sheets.
Science Roll No (21-24)	Make a creative beautiful model of "The digestive system of Man" using best out of waste material.
Science. Roll No (25-28)	Make a creative beautiful model of "Human Respiratory system" using best out of waste material.
Science Roll No (29-32)	Make a creative beautiful model of "The Excretory system of Man" using best out of waste material.
Social science. Roll No (33-36)	The models should be of small size, beautiful and handy. Please try using eco-friendly material to make them. Model on Biosphere or Layers of Soil)
Social science (37-40)	Model on Volcanoes or structure of Atmosphere)
Social science Roll No (41-44)	Model on Barometer or Wind vane)
Sanskrit. Roll No (45-48)	"आगच्छ! भोजनं कुर्याम" के अनुसार भोजन से प्राप्त होने वाले विटामिन, प्रोटीन, वसा, खनिजपदार्थ आदि को संतुलित भोजन के माध्यम से क्ले द्वारा दर्शाएँ।

