



D.A.V CENTENARY PUBLIC SCHOOL, CHANDER NAGAR, GZB

HOLIDAY'S HOMEWORK SESSION:2026-27

CLASS: IX



D.A.V CENTENARY PUBLIC SCHOOL
CHANDER NAGAR, GHAZIABAD
HOLIDAYS HOME WORK, CLASS IX (2026-27)

ENGLISH

1. Write a paragraph about a place that you visited which stayed in your memory.

Remember to mention the following:

- Why did you go there?
- Who did you travel with?
- How did you prepare for the travel ?
- Where did you stay?
- What activities did you do there?

2. You must have read stories in English and in your own language about the value of handicrafts and art. Read the story Quality by John Galsworthy. Write its review and make a presentation highlighting the decline of traditional crafts and skills vs. industrialisation and mass-produced goods.

3. As a socially responsible citizen, you strongly believe that students can contribute significantly in promoting adult literacy. Write a letter to the Editor of a local newspaper emphasising the importance of student participation in adult literacy camps conducted by various organisations. Discuss the benefits of such initiatives for both students and society. Suggest effective ways to spread awareness and encourage more students to volunteer for this noble cause.

4. Pottery is practised in many parts of our country and each region has its unique style.

Find out about the different styles of indigenous pottery of your region. and other regions of our country. Some notable styles include:

- Khurja pottery from Uttar Pradesh
- Blue pottery from Jaipur
- Terracotta from West Bengal
- Andretta pottery from Himachal Pradesh
- Karigari pottery from Tamil Nadu
- Longpi Black pottery from Manipur

HINDI

1. 'आवश्यकता आविष्कार की जननी है' इस विषय पर 150-200 शब्दों में अनुच्छेद लिखिए ।
2. उत्सव, शोक, प्रतियोगिता आदि अवसर या समारोह से सम्बंधित विषय पर सन्देश लिखिए ।

(कोई चार)

3. कवि परिचय – कबीरदास जी का जीवन परिचय (100-150 शब्दों में) लिखिए। उनके दो प्रसिद्ध दोहे लिखिए और प्रत्येक का अर्थ भी अपने शब्दों में लिखिए।
4. परियोजना कार्य ('धरती तुमसे कहे अपनी व्यथा' विषय पर एक चित्र कथा (कोमिक्स) तैयार कीजिए।)
5. 'मेरा लक्ष्य और उसे प्राप्त करने की योजना' इस विषय पर एक अनुच्छेद लिखिए।
6. अभी तक कक्षा में करवाया गया कार्य समझ कर याद कीजिए।

MATHS

1. Essay on Evolution of Number System

Write an essay on the development of the number system from ancient times to modern mathematics. Include the contribution of different civilizations and the importance of zero.

Instructions:

- Word limit: 400–500 words
- Include timeline/pictures if possible
- Write neatly on A4 sheets

2. Square Root Spiral Art Activity

Draw a Square Root Spiral creatively on a drawing sheet and decorate it artistically.

Instructions:

- Use ruler and compass for accurate construction
- Label the square roots clearly
- Colour and decorate neatly

3. Reflection of Figures on Coordinate Plane

Plot the following coordinates on graph paper and join them to form a figure:

A(2,1), B(5,1), C(4,4), D(1,3)

Draw:

- Mirror image of the figure about the X-axis
- Mirror image of the figure about the Y-axis

Instructions:

- Use different colours for each figure
- Write the coordinates of reflected images clearly
- Label all points neatly

4. Nets of 3D Shapes Activity

Prepare nets of 3D shapes such as cube, cuboid, cylinder, cone, or prism and calculate their perimeter and area.

Instructions:

- Draw and cut neat nets
- Label dimensions properly
- Show calculations clearly
- Decorate the final activity neatly
- 5. Cartoon Concept Activity – Algebraic Identities
 - Create a colourful cartoon/comic strip to explain any one algebraic identity in a fun and creative way. (you can take $(a+b)^2=a^2+2ab+b^2$, $(a-b)^2=a^2-2ab+b^2$, $(a+b)(a-b)=a^2-b^2$)

Instructions:

- Draw at least 4–6 cartoon panels
- Use dialogues/captions to explain the concept
- Make the cartoon colourful and creative
- Write the algebraic identity clearly at the end
- The activity should show the mathematical meaning of the identity visually and logically

Note : Submit your work neatly compiled in a folder .

SCIENCE

PHYSICS: Draw the following:

1. Distance time graph for uniform and non-uniform motion.
2. Velocity time graph for uniform velocity. 3. Velocity time graph for uniform acceleration.

CHEMISTRY: Compare in Tabular form the chemical properties of matter.

Essay writing on any one of the topics given below:

1. Electric Vehicles and Environment
2. Solar Energy for a Better Tomorrow

The content should be of minimum 120 words.

BIOLOGY: TOPIC “Healthy Adolescence & Hygiene”

Create a colourful comic strip on the topic healthy adolescence and Hygiene. It should

Include the given subtopics:

Balanced diet

Exercise

Personal hygiene

Emotional health

Inspire Award Manak

Write a creative, innovative idea on any one topic:

- (i) Agriculture & Farming Tools
- (ii) Women's Safety and Empowerment
- (iii) Environmental Protection & Waste Management
- (iv) Healthcare and Sanitation

Hints to write an idea are as follows:

1. Title of the idea- Should be Catchy and attractive but related to the idea
2. Project Summary- Write about the model: what is the problem, how your idea solves that problem and application in real life/how it is useful for others

An example of how to write the idea summary is given below.

Example:

Title of the Project: Travelling bag with folding seats
Project Summary : Many a times travellers have to stand while waiting for a bus or train at the bus/train station as the number of seats available are few. The student has developed a travelling bag where a folding seat has been incorporated. This can be unfolded and used for sitting while waiting for the bus/train thereby eliminating the discomfort while standing for long time. It will be especially useful for ladies and elderly.

SANSKRIT

1. भवन्तः स्वजीवने अपव्ययात् कथं दूरे स्थातुं शक्नुवन्ति ? अस्मिन् विषये उपायान् लिखत ।
 2. स्वस्य एकस्य मासस्य आय-व्ययविवरणं विलिख्य शिक्षकाय दर्शयत ।
 3. जलस्य संरक्षणं कैः उपायैः करणीयमिति उपायानि लिखत ।
 4. विद्युतः संरक्षणं कथं कर्तुं शक्यते तस्य साधनं चित्रं निर्माणं कुरुत ।
- (प्रत्येक प्रश्न का उत्तर कम से कम 70 से 100 शब्दों के बीच में लिखें)

SOCIAL SCIENCE

PROJECT WORK AND WRITING SECTION.

PART – 1: DISASTER MANAGEMENT PROJECT

Prepare a handwritten project (5 pages) on A-4 sheets on any one topic:

A. Earthquake-Prone Areas in India

OR

B. Cyclone-Prone Areas in India

Include: Student Profile, Acknowledgement, Index, Bibliography, maps, diagrams, and newspaper cuttings.

PART – 2: WRITING SECTION

ECONOMICS

(Do all questions in the Economics notebook.)

CHAPTER- BUILDING BLOCKS IN ECONOMICS

Q1. Explain the concept of Scarcity of Resources.

Q2. Define Resource. Also Describe the classification of resources.

Q3. Analyze how scarcity leads to the central economic problems and the need for economic system.

Q4. Define the following terms:

(a) Opportunity Cost, (b) Choice, (c) Demand, (d) Supply, (e) Scarcity at the individual level and Scarcity at the societal level, (f) Choice at the individual level and At the Societal Level, (g) Atma Nirbhar Bharat 2020, (h) Economics

Q5. Explain the role of Demand and Supply in determining prices.

Q6. Highlight any five functions of economists in understanding, analyzing and guiding economic activities at both individual and societal level in detail.

Q7. Describe the three central problems of an economy with examples.

Q8. Explain the relationship between scarcity, choice and opportunity cost.

Q9. Compare capitalist, socialist and mixed economic systems in five points.

Q10. Discuss the importance of a welfare economy for society.

Q11. Outline the advantages and limitations of the following Economic Systems (three points each): (a) Capitalist Economy (Market Economy), (b) Socialist Economy (Planned Economy), (c) Mixed Economy

Q12. Highlight the role of Government in a Mixed Economy.

Q13. Examine the importance of Opportunity Cost.

Q14. Explain how opportunity cost influences student decisions in daily life.

GEOGRAPHY

Draw a neat and well-labelled diagram showing the layers of the atmosphere in the Geography notebook.

POLITICAL SCIENCE

Write an essay in 400–500 words on “Role of Media in Democracy” in the Political Science notebook in your own words.

INFORMATION TECHNOLOGY

Written Activities

- Write a **paragraph** on “The importance of communication in building relationships.”
- Draft a **formal letter** to your Principal requesting permission to organize a debate competition.
- Prepare a **dialogue** (8–10 lines) between two classmates discussing how to overcome stage fear.

Creative Tasks

- Design a **poster** on “Effective Communication = Success in Life.”
- Collect 5 examples of **non-verbal communication** (gestures, expressions, symbols) and explain their meaning in your own words.
- Create a **comic strip** showing a funny situation caused by miscommunication.