



DAV PUBLIC SCHOOL
Sec-3,Dhurwa-Ranchi 4
Affiliated to CBSE Delhi (10+2)
Session: 2026-27

Class 7 , Holiday Homework

General Instructions:-

- *Do all work neatly in a separate holiday homework notebook/file.
- *Use coloured pens/pencils wherever required.
- *Paste pictures/maps to make your work attractive.
- *Complete the work in your own handwriting.
- *Revise all completed chapters regularly.

Subject - Social Science

Model work -

“Make a Model on the Geographical Diversity of India”

File Work -(Art Integrated based)

1. Collect pictures of different landforms of India and paste them in your file with short descriptions.
2. Draw and colour a physical map of India showing:
 - Mountains
 - Plains
 - Plateau
 - Desert
 - Coastal Plains
3. Prepare a timeline of important rulers and kingdoms.
4. Collect pictures of old and new Indian currency notes and coins.
5. Write the Preamble neatly and decorate it.
6. Paste pictures or draw dancers in traditional costumes.
7. Mark the following on an outline map of India:
 - Rajasthan Desert
 - Western Ghats
 - Assam
 - Kerala
 - Thar Desert

Copy work -

1. Define physical diversity.
2. Name the major physical divisions of India.
3. Explain the Northern Plains.
4. Write five features of the Himalayan Mountains.
5. What is a civilization?
6. Name two ancient cities of India.
7. What were the features of early cities?
8. Why did trade develop in cities?
9. What is urbanisation?
10. Define government.
11. Name different types of governments.
12. What is democracy?
13. Differentiate between monarchy and democracy.

14. Why is democracy important?

15. What is a constitution?

Subject:-Hindi

मल्हार - पाठ 1 और 2 के प्रश्न उत्तर याद करो और लिखो।

व्याकरण:-भाषा लिपि और व्याकरण वर्ण जो पढ़ाए गए हैं याद करो और लिखो।

शब्द भंडार

पत्र लेखन-जन्मदिन पर उपहार भेजने पर आभार प्रकट करते हुए चाचा जी को पत्र लिखें।

निबंध लेखन: - स्वतंत्रता दिवस पर ।

प्रोजेक्ट:- (मां का एक कहानी)

कवर पेज आकर्षक हो, परिचय, चित्रकारी सिद्धार्थ(गौतम बुद्ध) हंस की आकर्षक चित्र चिपकाएं भावार्थ की व्याख्या करें कठिन शब्दों के अर्थ लिखें निष्कर्ष लिखें।

Subject - Computer

Part A: Practice & Understand

1. Conversion Sums - 3 Marks

a) Convert 4510 to Binary

b) Convert 110012 to Decimal

c) Convert 3810 to Octal

d) Convert 2F16 to Decimal

e) Convert 10102 to Octal

2. Learn and write

Write the types of number systems.

Differentiate between binary and decimal number systems.

What is the place value in the number system?

Why do computers use binary numbers?

Write digits used in hexadecimal system.

Explain different types of number systems with examples.

Convert decimal number 25 into binary.

Convert binary number 1011 into decimal.

Explain octal and hexadecimal number systems.

Part B: Project – “Number System in Action”

Option 1: Code Breaker Card - Fun + Creative

Title: My Name in Secret Code Take a card sheet. Write your full name. Below each letter, write its ASCII decimal code.
Ex: A=65, a=97. Convert each decimal code to Binary. Ex: 65 = 10000012.

Decorate the card with “Top Secret – Binary Only”.

Option 2: Number System Poster - For deeper understanding

Title: 4 Types of Number Systems

Make a chart with 4 sections: Decimal, Binary, Octal, Hexadecimal. For each write:

- Base
- Digits used: 0-9, etc.
- Where used: 1 real example
- Convert number 25 into that system Add colors/borders to make it neat.

Subject- Science

(PHYSICS –PROJECT)

1. Students are instructed to make a project based on topic in a STICK-FILE with clearly mention each and every module with the help of some suitable diagrams and the project is well documented.

- Electric current
- Heating effect of electric current
- Electric fuse
- Electromagnet and Electric bell

(CHEMISTRY PROJECT)

2 . 1. Students are instructed to make a project based on a topic in a STICK-FILE with clearly mentioning each and every module with the help of some suitable diagrams and the project is well documented.

- Acid base and their classification
- Indicators and classification
- Ionisation of Acid base
- Neutralisation process

Copy work -

- What is science? Explain how science changes and develops with time.
- Describe the importance of science in our daily life with suitable examples.
- Explain the role of observation, experimentation, and conclusion in scientific study.

4. What is the scientific method? Explain its different steps in detail.
5. Explain how scientific inventions and discoveries have transformed human life.
6. Describe the contribution of science in the fields of communication and transportation.
7. Explain the role of science and technology in healthcare and medicine.
8. What is meant by scientific attitude? Explain its importance in everyday life.
9. Describe the qualities and responsibilities of a scientist.
10. Explain how science helps in solving environmental problems.
11. Discuss the advantages and disadvantages of scientific development.
12. Explain the importance of laboratories and scientific equipment in science education.
13. What are acids, bases, and neutral substances? Explain with suitable examples.
14. Describe the general properties of acids in detail.
15. Explain the common properties of bases with examples.
16. Differentiate between acidic and basic substances.
17. What are indicators? Explain the different types of indicators used in science.
18. Describe the use of litmus paper in identifying acids and bases.
19. Explain how turmeric and china rose are used as natural indicators.
20. What happens when acids react with bases? Explain the process of neutralization.
21. Describe the importance of neutralization reactions in daily life.
22. Explain the role of acids and bases in digestion and indigestion.
23. Describe the effect of acids and bases on different materials.
24. Explain why proper handling of acids and bases is important.
25. What are neutral substances? Explain with suitable examples.
26. Describe some common acidic and basic substances found in the kitchen.
27. Explain how soil treatment is related to acidic and basic substances.
28. What is electricity? Explain its importance in our daily life.
29. Describe the main components of an electric circuit and their functions.
30. What is an electric circuit? Explain the difference between an open circuit and a closed circuit.
31. Explain the construction and working of a simple electric circuit.
32. Describe the function of an electric cell in a circuit.
33. What is a switch? Explain its role in an electric circuit.
34. Differentiate between conductors and insulators with suitable examples.
35. Describe an experiment to test whether a material is a conductor or an insulator.
36. Explain the working of an electric bulb in detail.
37. What are electric symbols? Explain the importance of circuit diagrams.
38. Draw and explain the symbols of common electrical components used in circuit diagrams.
39. Explain the safety measures that should be followed while using electricity.
40. Explain how electricity reaches our homes from power stations.

Subject - English

English literature:

1. Learn and write hard words and word meaning of Ch-1,2 and 3

2. Learn question/Answer of Ch-1,2 & 3

(English grammar)

1. Learn and write all the definition of chapter 1 to 6

2. What is a noun?
3. Name the different types of nouns.
4. Find 10 proper nouns from newspapers or magazines.
5. Write five collective nouns with pictures.
6. Make sentences using abstract nouns.

What is an adjective?

7. Write five adjectives describing:
 - a. A friend
 - b. A school
 - c. A pet animal
8. Find adjectives from a newspaper article.
9. Write comparative and superlative forms of:
 - Tall
 - Beautiful
 - Good
 - Happy
 - Large

(Writing section)

1. A descriptive paragraph describes a person, place, object or event to create a memorable experience for the reader. Write a descriptive paragraph describing a place that you visited recently.

2. King Bruce was inspired by the spider that kept on trying till it was successful. Think about the steps you can take to overcome a difficult situation and write them down.

Now, write a letter to your cousin on how you plan to overcome any difficult situation. Also, advise not to quit and persevere.

Remember to use transition words like "To begin with....", "Next....", "After that....", "Then....", "Finally....", to share the steps of your plan.

(Project work)

1. Make a spider web from page no. 27

2. The Government has launched many schemes for the education of the girl child. Some of them are 'Beti Bachao Beti Padhao', 'Balika Samridhi Yojana', 'Samagra Shiksha Scheme-Kasturba Gandhi Balika Vidyalayas', etc.

Find out more such schemes from the internet write few lines about it.

Note- make it in stick file

Subject - G.K

Copy Work:

*Complete the following chapters of GK MCB in your notebook:

Chapter 13 brilliant brains

Chapter 14 modern medical instrument

Chapter 15 let's talk about chemistry

Chapter 16 Nobel Laureates in chemistry

Chapter 17 explore the science in everyday life

Chapter 18 most famous golfers

Chapter 19 best commentators in cricket

Chapter 20 football maina

Chapter 21 commonwealth games

Chapter 22 archers from then and now

Answer the following general awareness question:

SECTION A

1. List any five airline companies in India .
2. Name any five seven star hotels in India .
3. Name any five tourist destinations near the coastal line in India .
- 4 .Describe the metro rail project in India with the respective states.
5. Describe about the name of Indian companies associated in bridges construction on rivers.

SECTION B

1. Sketch the characters of any two famous Indian cricketers.
2. Write a brief autobiography of any two Indian prime ministers.
3. Students are advised to prepare a list of capitals of Indian states with union territory .
4. Students you are requested to prepare a list of 20 CBSE schools in Jharkhand with their location and address.

SECTION C

1. Which vitamins are responsible for the clotting of blood?
2. Discuss the reasons for the twinkle of stars .
3. What is Horticulture ?
4. Which plateau produces a maximum of minerals?
5. Which country is called the Suger Bowl of the world and why?
6. What year was the establishment year of united nations/
7. How many minutes are there in a full week?

SECTION D

1. Who is the current president and prime minister of India?
2. Which continent does the Amazon river flow in?
3. What do we call the gases that cause global warming?
4. Who is the governor of the Reserve Bank of India?
5. Who is the chairperson of the BCCI?
6. Which European city is called the city of Cannala?
7. Who is the founder of Apple Inc?
8. Which state in India started the concept of water break?
9. Who was appointed as 50th Chief Justice of India?
10. Which International organization publishes the global risks report?

Subject - Drawing

File Work – Art /Drawing

Draw any lotus Mandala art picture with pen shading in A3 size drawing sheet.

Draw a waterfall picture and colour it in A3 size drawing sheets.

Draw a Ganesha picture and colour it in an A3 drawing sheet.

Draw some birds pictures on the branches and colour it A3 size drawing sheet.

Draw a Garden picture with fountains and colour it A3 size drawing sheet.

Draw deer picture with green nature and colour it in A3 drawing sheet.

Craft work-

Make any wall hanging craft from any art materials.

Make a bottle painting or bottle craft.

Subject - Computer

Part A: Practice & Understand

1. Conversion Sums - 3 Marks

a) Convert 4510 to Binary

b) Convert 110012 to Decimal

c) Convert 3810 to Octal

Subject - Maths

Section – A

1) How many zeros does each of the following numbers have?

(i) one crore (ii) Hundred thousand

2) Compare the numbers and fill in the boxes.

(i) 500 thousand 50 lakh

(ii) 800 million 80 crore

3) How many button-presses are required to show 23361 on systematic sippy? Write the expression for the same.

4) Without actual multiplication, find the following products.

(i) 66666×66661

(ii) 3333×3335

Section – B

5) Fill in the blanks.

(i) [1-digit] \times [2-digits] = or

(ii) [6-digit] \times [8-digit] = or

6) Fill in the blanks to make the expressions equal on both sides of the = sign.

(i) $19 + 7 = 34 - \square$

(ii) $81 \div \square = 3 \times 3$

7) Evaluate the following arithmetic expressions.

(i) $33 \times 5 + 33 \times 11 - 33 \times 7$

(ii) $15 + (7 - 3) \times 4 + 20$

8) Evaluate:

(i) $34 \times 77 + 66 \times 77$

(ii) $180 - (29 - 11) + (40 - 13)$

Section – C

9) A gold fish is 6210 cm long, while a clown fish is 4910cm long. Which of the two is longer and by how much?

10) Find the sum of 7510 41000 and 12810 8100 ?

11) Find the difference 48710-22 810 410 ?

12) (i) $3410 + 5210$ 8100 (ii) $710 + 76100$?

Section – D

13) 7 thousand 9 tens 3 hundredths 8 thousandths

14) $7000 + 70 + 710 + 71000$?

15) Convert each of the following into paisa.

(i) 123 rupees 50 paisa

(ii) 435 rupees 83 paisa

16) Convert each of the following into centimeters.

(i) 8 mm

(ii) 16.75 m

(iii) 4 m

17. Art integrated project work on number systems.

Subject -Sanskrit

प्रश्न -1 प्रश्नानां उत्तराणि पूर्ण वाक्येन लिखत।

क- धर्मचक्रं कं भावं बोधयति?

ख- विज्ञानस्य केषु क्षेत्रेषु भारतीयैः यशः प्राप्तम्?

ग- पुरुषेण के दोषाः हातव्या?

घ - व्यासस्य वचनद्वयम् किं?

ङ- किं कृत्वा मनुष्यः नावसीदति?

प्रश्न -2 अस् और दा धातु लट् लकार रूप लिखो।

प्रश्न -3 पितृ और गुरु शब्द रूप लिखो।

Project Work

प्रश्न -4 सरस्वती प्रार्थना श्लोक लिखकर वीणा धारण की हुई सरस्वती जी का चित्र बनाओ।

प्रश्न -5 भारत का मानचित्र बनाओ। (पेज नं- 2)

प्रश्न -6 होलिका और प्रह्लाद का चित्र बनाकर संस्कृत में पांच वाक्य लिखो। (पेज नं- 73)

प्रश्न -7 हिरण्यक और नृसिंह का चित्र बनाकर उनके बारे में संस्कृत में पांच वाक्य लिखो। (पेज नं- 75)