PM SHRI K V CRPF BIJNAUR LUCKNOW (SHIFT-II)
SUMMER HOLIDAY HOME WORK (CLASS-VII)

Worksheet for holiday homework
Science class 7

1. Classify the following substances as acidic, basic or neutral.
Substances given:
Vinegar, Baking soda, Amla juice, Tap water, Stomach juice, Washing powder, Sugar solution, Human blood, Lemon juice, Lime water, Cooking oil, Ammonia **solution**

2. Name the most common acids present in the following substances:
Lemon _____
Curd _____
Tamarind _____
Vinegar _____
Amla _____
Mangoes _____
Tomato _____
Ant's sting _____

3. Give one word:

a.The substance which gives different colours in acidic, basic and neutral solutions. _____
b.Substances which are neither acidic nor basic. _____
c.Substances which are bitter in taste and soapy to touch. _____
d.The reaction between an acid and a base. _____
e.Substances which turn blue litmus red. _____
f.Substances which change their smell in acidic, basic or neutral solutions. _____

4. Match the following:

Column A
Lime water
Formic acid
Turmeric
Vinegar
Tartaric acid
Salt solution
Sodium hydroxide
Lactic acid
Milk of magnesia
Citric acid

Column B
a. Tamarind
b. Soap
c. Ant's sting
d. Changes red litmus blue
e. Neutral
f. Indicator
g. Lemon juice
h. Acetic acid
i. Curd
j. Calcium hydroxide

5. Make a list of five acidic and basic substances you come across in your daily life:
Acidic
Basic

6. Name the following:

a.A natural indicator _____
b.An olfactory indicator _____
c. A neutral substance found in seawater _____
d.Acid present in the tomato _____
e.A basic substance used in the kitchen _____
f.An indicator which turns green in a basic solution _____

7. Fill in the blanks:

a.A blue litmus paper turns red in _____ solution.
b.Phenolphthalein is a/an _____ indicator.
c.The solution of sodium hydroxide is _____ in nature.
d.The colour of turmeric turns _____ in a basic solution.
e.Methyl orange is an example of a/an _____.
f._____ acid is present in vinegar.
g._____ solution turns pink China rose indicator to dark pink.
h.Orange juice, raw mango and tamarind taste sour because they contain _____.
i.Acids and bases react in a _____ reaction.
j.Blue and red litmus show no change in _____ solutions.
k.Vanilla extract is an _____ indicator.
l.Litmus is obtained from _____.

8. Write T for True and F for False:

a.Nitric acid turns red litmus blue ___
b.Citric acid is present in lemon juice ___
c.Phenolphthalein is not a natural indicator ___
d.Ant's sting injects base ___
e.Sodium hydroxide turns red litmus blue ___
f.Tooth decay is caused by a base ___
g.Orange juice turns blue litmus red ___
h.Ammonia solution is acidic ___
i.Acidic soils are treated with bases ___
j.NaOH and HCl form salt and water ___
k.Antacids are strong acids ___

9. Very short-answer questions:

a.Which acid is in our stomach? _____
b.What are acid-base indicators? _____
c.Two natural & two synthetic indicators _____
Is sodium hydroxide acid or base? _____
d.Heat absorbed or evolved in neutralisation? _____
e.Two acids and two bases _____
f.What are neutral substances? _____
g.Acid in curd _____

10. Choose the correct option:

a.Acid in ant sting
1 lactic acid. 2. Oxalic acid
3 Formic acid. 4. Acetic acid
b.Base among options
1 baking soda. 2 curd
3 orange juice. 4 vinegar
c. Turmeric in base turns
1 green 2 red
3 Blue l 4 black
d Nature of acetic acid
1 acidic. 2 basic

3 neutral. 4 all of these
e Natural indicator
1 phenolphthalein. 2 Turmeric
3 Salt. 4 Vinegar
f Products of neutralisation are
1 salt and heat. 2 salt and water
3 salt ,water,heat. 4 heat and water
g Antacids are
1 dilute acids. 2 strong acids
3 bases. 4 salts
h.Litmus comes from
1 lichens. 2 Turmeric
3 cuscuta 4 cactus
i Acid in lemon
1 acetic acid. 2 citric acid
3 hydrochloric acid. 4. Nitric acid
j Base in window cleaner
1 calcium hydroxide.
2 Sodium hydroxide
3 Ammonium hydroxide
4 Magnesium hydroxide
11 Complete your M
12 Prepare an innovative project for NCSC2026-27 on theme SCIENCE AND INNOVATION for SUSTAINABILITY

Class 7 Holiday Homework : AI-

You have to make a beautiful chart demonstrating information about threats to computer security and how will you protect your system.

कक्षा –7 विषय- संस्कृत

कक्षा सप्तमी

1. पठ(पढ़ना) धातु के पांचों लकार में रूप लिखिए (लट्, लृट्,लोट्, लङ्,विधि लिङ्)
2. मम विद्यालय:,उद्यानम्,मम गृहम् का चित्र बनाकर पांच पांच वाक्य लिखिए
3. इकारान्त पुल्लिंग (हरि) शब्द रूप लिखिए,नदी शब्द के स्त्रीलिंग रूप लिखिए
4. राष्ट्रीय ध्वज के महत्व के बारे में 10 वाक्य संस्कृत भाषा में लिखिए।
5. परिश्रम विषय पर 3 श्लोक संकलित करके लिखिए।
6. संस्कृत में प्रतिज्ञा लिखिए और याद कीजिए।
7. 100 तक संस्कृत संख्या याद कीजिए ।

Important Points

- **Weather vs. Climate:** Weather refers to the short-term state of the atmosphere, whereas climate refers to long-term patterns over many years.
- **Elements of Weather:** The primary elements include temperature, humidity, rainfall, wind, and atmospheric pressure.
- **Measuring Instruments:** Rain is measured by a *Rain Gauge*. Wind speed and direction are measured by an *Anemometer*. Humidity is measured by a *Hygrometer*.
- **Atmospheric Pressure:** Air always moves from high pressure areas to low pressure areas. Pressure is highest at sea level and decreases as altitude increases.
- **Ozone Layer:** Located in the Stratosphere, it protects the earth from harmful solar radiation.

A. Multiple Choice Questions (MCQs)

1. Which of the following is NOT an element of weather?

(a) Temperature | (b) Humidity | (c) Soil type | (d) Rainfall

2. Where is the Ozone Layer situated?

(a) Stratosphere | (b) Troposphere | (c) Mesosphere | (d) Thermosphere

3. Which instrument is used to measure wind direction and speed?

(a) Barometer | (b) Anemometer | (c) Hygrometer | (d) Rain Gauge

4. If a place near the sea becomes cooler in the evening, what is the reason?
   (a) Land breeze begins to blow | (b) Humidity decreases | (c) Sun goes down | (d) High pressure

5. A farmer waiting to sow seeds is most concerned about which weather element?
   (a) Wind | (b) Humidity | (c) Rainfall | (d) Temperature

B. Fill in the Blanks

1. Weather can change in a _____time, while climate remains the same for many years.
2. The amount of rainfall is measured with the help of an instrument called _____.
3. Wind is the movement of air from an area of _____pressure to an area of _____ pressure.
4. The _____is a device used to measure the amount of water vapor in the air.
5. Atmospheric pressure is highest at _____level and decreases with height.

C. Very Short Answer Type Questions

1. What is the full form of AWS?
2. Name the two types of thermometers used for different purposes.
3. What is humidity?
4. Define an anemometer.
5. Which layer of the atmosphere contains the ozone layer?

D. Short Answer Type Questions

1. What is the difference between weather and climate?
2. Why do coastal areas have higher humidity than inland areas?
3. If the air pressure at two places is the same, will the wind blow between them? Give a reason.
4. How do meteorologists predict the weather?
5. Calculate the range of temperature if the maximum is 32°C and the minimum is 18°C.

E. Long Answer Type Questions

1. Describe all the major elements of weather in detail.
2. Why is atmospheric pressure higher at sea level than on a mountain top? Explain the reasons.
3. Explain how a rain gauge works to measure rainfall.
4. Why is it important to have different types of thermometers for different purposes? Explain with examples.
5. What is the role of the Ozone Layer, and how is the atmosphere structured?

SUBJECT-MATHS
CLASS-7

Instructions for Submission:

- Use Maths NoteBook for solving and don't write solutions from the google/internet.
- Submission Date: First day after summer vacation.
- All work must be handwritten.
- If any question is not clear, students can leave that question or ask me on WhatsApp.

VERY IMPORTANT:

- **Learn all the square till 25**
- **learn all the cubes till 15**
- **learn all the tables till 20**

Section A: Multiple Choice Questions

1. Write the additive inverse of -121.
2. Solve it using number line.
   (+5) + (-2) (ii) (-7) – (+2)
3. In one state, the number of bicycles sold in the year 2002-2003 was 7,43,000. In the year 2003-2004, the number of bicycles sold was 8,00,100. In which year were more bicycles sold? and how many more?
4. The town newspaper is published every day. One copy has 12 pages. Everyday 11,980 copies are printed. How many total pages are printed everyday?

5. Which of the following is an algebraic expression?
   (a) 7+8 (b) 5x+3 (c) 10–4 (d) 12÷3
6. If x=4, what is the value of 3x+5?

(a) 12 (b) 15 (c) 17 (d) 19

6. The expression for ‘5 more than a number y’ is:
(a) y+5 (b) y–5 (c) 5–y (d) 5y
7. Which of the following represents 2 less than 13 times a number m?
(a) 13m–2 (b) 2m–13 (c) 13–2m (d) 2–13m
8. In 5n, the letter n is called:
(a) Constant (b) Variable (c) Coefficient (d) Term
9. Which property is used in 3×(4+5)=3×4+3×5?
(a) Commutative (b) Distributive (c) Associative (d) Identity
10. If p=3 and q=2, value of 2p+3q is:
(a) 12 (b) 13 (c) 15 (d) 18
11. The expression 10(y–3) means:
(a) 10y–3 (b) 3–10y (c) 10×(y–3) (d) y–30
12. Which is the numerical coefficient in 9x?
(a) 9 (b) x (c) 9x (d) None
13. If a=5, b=2, find value of 3a+2b.
(a) 17 (b) 19 (c) 21 (d) 15
14. Algebraic expression for ‘13 less than twice a number n’ is:
(a) 2n–13 (b) 13–2n (c) 13n–2 (d) 2–13n
15. If r=2, s=3, find value of 2r+2s+24.
(a) 28 (b) 30 (c) 34 (d) 32
16. Simplify: 20+8×(16–6).
(a) 80 (b) 100 (c) 60 (d) 40

Section B: Short Answer Questions

1. Write an expression for: a number increased by 7.
2. If m=2, find the value of 5m+3.
3. Evaluate 83+28–13+32.
4. Simplify: 42+15–(8–7).
5. Write the algebraic expression for: 4 less than a number x.
6. Check whether 5u and 5+u are equal for u=2.
7. What is the nth term of the multiples of 6 sequence?
8. Write an expression for: j notebooks each costing ₹15 and k pens each costing ₹2.
9. Expand using distributive property: 7(x+3).
10. If y=3, find value of 10y–3 and 10(y–3). Are they equal?

Section C: Long Answer Questions

1. Simplify: 7×4+9×6 and explain the steps.
2. Evaluate: 23–10×2 using proper order of operations.
3. Describe a situation for the algebraic expression 8x+3y.
4. Construct expressions for the total money if x notes of ₹100, y notes of ₹20 and z notes of ₹5.
5. Simplify: 3(2a+5)+4a–7.
6. Compare and check whether 10y–3 and 10(y–3) are equal for y=10.

तव त्वम् नः अभावस्तुय
केन्द्रीय विद्यालय संगठन

PM SHRI KENDRIYA VIDYALAYA
CRPF BIJNOUR, LUCKNOW
SHIFT-2
SUMMER HOLIDAY HOMEWORK





ENGLISH
CLASS VII

LEARN TODAY, LEAD TOMORROW!



A READING SKILLS



Read any 3 chapters from your Poorvi textbook.

Write:

- Title of the chapter
- Main characters
- Summary (in 80–100 words)
- Moral of the story

B WRITING SKILLS

1. **Paragraph Writing (any 2)**
   - My Favourite Festival
   - A Visit to a Park
   - My Best Friend
   - How I Spent My Summer Vacation
   (Write 80–100 words each)
2. **Letter Writing**
   Write a letter to your friend describing your summer holidays.
3. **Picture Composition**
   Paste/draw a picture (park, beach, village scene, etc.)
   Write 5–6 sentences about it.



C GRAMMAR PRACTICE



1. **Parts of Speech**
   Write 2 examples each of:
   - Noun
   - Pronoun
   - Verb
   - Adjective
   - Adverb
2. **Tenses**
   Write 5 sentences each in:
   - Present tense
   - Past tense
   - Future tense

D CREATIVE WORK



1. **Vocabulary Chart**
   Make a colorful chart of 15 new words.
   Write meaning + sentence for each.
2. **Poem Recitation**
   Learn any one poem from the Poorvi textbook.
   Write it neatly in your notebook.
3. **Story Writing**
   Write a short story with the help of the hint:
   "The merchant and his donkey"



SPEAKING ACTIVITY



Speak for 2 minutes on:
"My Motivation Experience"
(Practice at home)







GENERAL INSTRUCTIONS

- Do your homework neatly and on your own.
- Use A4 sheets / Notebook as required.
- Make it colorful and creative.
- Submit on the opening day after the vacation.

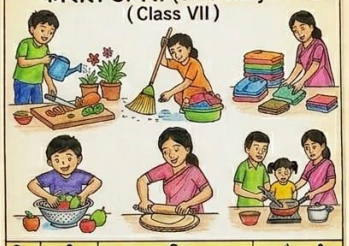
BE CREATIVE!
BE ORIGINAL!
DO YOUR BEST!



Kendriya Vidyalaya CRPF Bijnaur Lucknow

कौशल डायरी (Skill Diary - 7 दिन)

(Class VII)



दिन	तारीख	क्या मदद की? उदाहरण	नया कौशल सीखा
01	10/05/26	 कपड़े तह किए, व्यवस्थित किए	प्रबंधन
02	11/05/26	 धूल साफ की, शेल्फ साफ़ किया	स्वच्छता
3			छात्र द्वारा किया गया कार्य
4			
5			
6			
7			

केन्द्रीय विद्यालय संगठन

बेस्ट आउट ऑफ वेस्ट

1.  पुराने कपड़े लें →  आकार काटें
2.  सिलें और सजाएँ →  उपयोगी कपड़े का बैग

1. _____
2. _____
3. _____
4.

मेरा बनाया उपयोगी आइटम

_____

संतुलित आहार चार्ट

(Balanced Diet Chart)



छात्रों के लिए अभ्यास : मेरे एक दिन का आहार लिखें

- भाकरकत : _____
- लंच : _____
- दिनर : _____

सामुदायिक सहायक (बढ़ई)

(Community Helper Study)

सामुदायिक सहायक

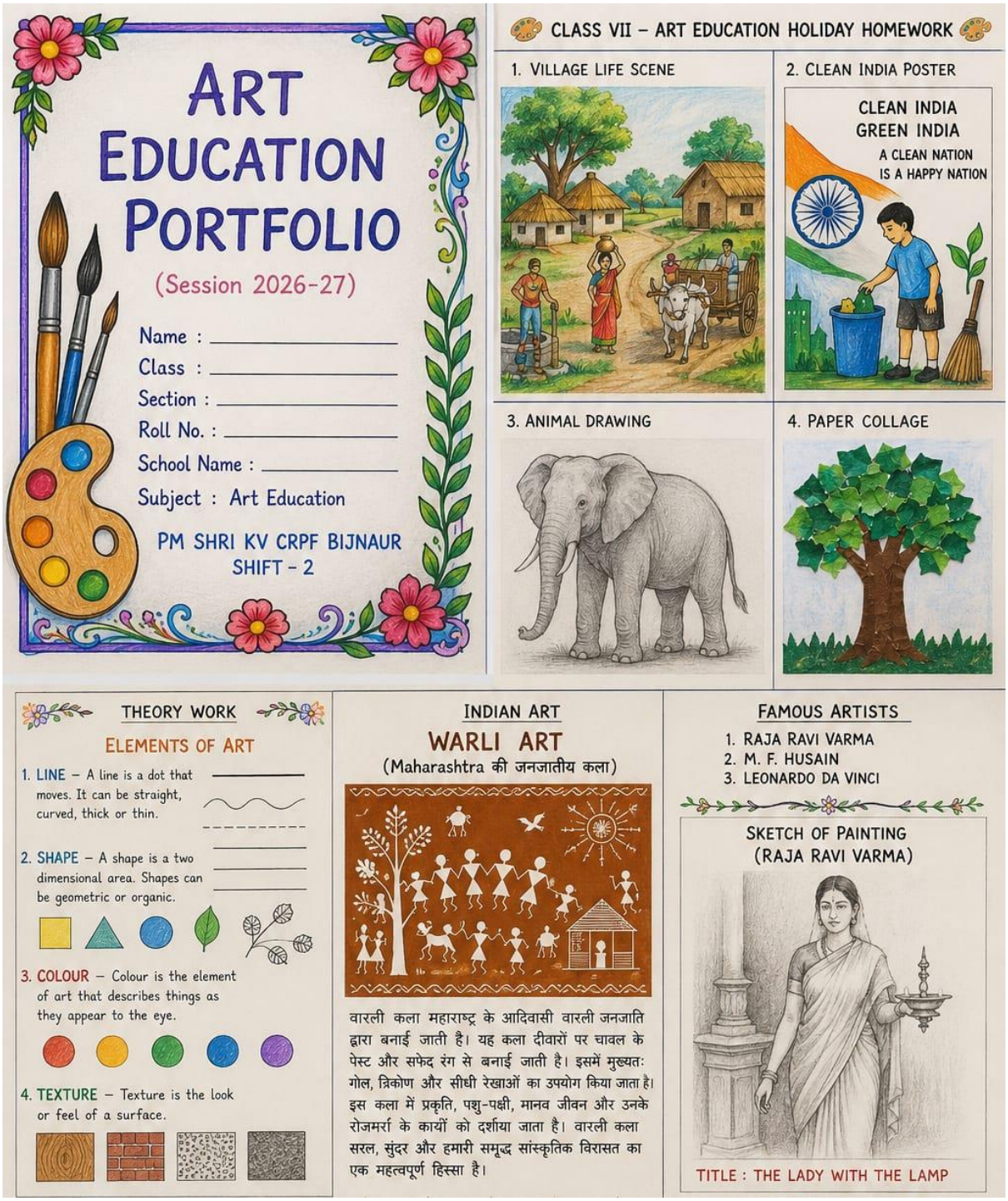
(बिजली मिस्त्री - Electrician)



उदाहरण

महत्व : बिजली के पंखे, बल्ब और उपकरण ठीक करता है

कौशल : तारों को पहचानना और जोड़ना सीखता है



PM SHRI K V CRPF BIJNAUR LUCKONW SHIFT II SUMMER HOLIDAY HOME WORK FOR CLASS VII KHEL YATRA

WRITE IN NOTE BOOK

Unit 1: Foundations basic of physical education and well-being-

- The Ball Progression Game
- Ghorpadiche shepoot
- Nalugu Rallu Ata
- Gidhada Gudkavan
- Stand Up, Sneak Out
- Harassment prevention skit

,Unit 2: Physical And Motor Fitness –

- Set It Up, Knock It Down
- Dhaan Ki Bori
- Caterpillar Race
- Count and Connect game

Unit :6 Yoga- Chapter 1

- Yoga For Daily life ,

हिंदी

कक्षा – सातवीं

1. 10 शब्द लिखकर उसके विलोम शब्द लिखिए |
2. 10 शब्द लिखकर उसके दो-दो पर्यायवाची शब्द लिखिए|
3. संज्ञा , सर्वनाम को परिभाषित करते हुए तीन-तीन उदाहरण लिखिए
4. नदियों का भारतीय संस्कृति में क्या महत्व है ?
5. मंहगाई की समस्या पर अनुच्छेद लिखिए (120 शब्द) प्रस्तावना,महँगाई के कारण, महँगाई के फलस्वरूप उत्पन्न होनेवाली कठिनाइयाँ, महँगाई को दूर करने के लिए सुझाव,
6. मित्र को जन्मदिन की बधाई देते हुए एक बधाई पत्र लिखिए |
7. निम्नलिखित उपसर्गों से दो-दो शब्दों की रचना कीजिए|
    1. अति …….. ……
    2. उप …….. ……
    3. प्रति …….. ……
    4. सम …….. ……
    5. परि …….. ……
8. निम्नलिखित प्रत्ययों से दो-दो शब्दों की रचना कीजिए|
    1. आई …….. ……
    2. ता …….. ……
    3. दार …….. ……
    4. ईय …….. ……
    5. त्व …….. ……
9. अभी तक पढ़ाए गए पाठ के प्रश्नोत्तर और भाषा की बात की पुनरावृत्ति करो।