K.V CRPF, Bijnaur Lucknow

Holiday Homework

Class-VIII

Sub: Science

Chapter 1: Particulate Nature of Matter

1.What is meant by the particulate nature of matter?

2.State any three characteristics of particles of matter.

3.Why do solids have a definite shape but gases do not?

4.Explain diffusion with an example from daily life.

5.Why does the smell of perfume spread faster in a warm room than in a cold room?

6.How does temperature affect the motion of particles of matter?

7.What happens to the particles of matter when a substance changes from solid to liquid?

8.Why are gases easily compressible compared to solids and liquids?

9.Explain why a rubber band can be stretched but a stone cannot.

10.Give two examples each of matter in solid, liquid and gaseous states.

Chapter 2: Nature of Matter – Elements, Compounds and Mixtures

11.Define element. Name any four elements found in nature.

12.What is a compound? How is it different from a mixture?

13.State two differences between an element and a compound.

14.Classify the following as element, compound or mixture:

a) Air

b) Carbon dioxide

c) Iron

d) Salt solution

15.Why can components of a mixture be separated by physical methods?

16.What is a homogeneous mixture? Give two examples.

17.What is a heterogeneous mixture? Give two examples.

18.Why does a compound always have a fixed composition?

19.Name the method used to separate:

a) Iron filings from sand

b) Salt from seawater

c) Butter from curd

20.Can a mixture have variable composition? Explain with an example.

Chapter 3: The Amazing World of Solute, Solvent and Solutions

21.Define solution, solute and solvent.

22.Give two examples of solid–liquid solutions.

23.What happens when excess solute is added to a solvent?

24.Define a saturated solution.

25.How does temperature affect the solubility of solids in liquids?

26.Differentiate between dilute and concentrated solutions.

27.Why does sugar dissolve in water but sand does not?

28.What type of solution is air? Explain.

29.Can a solution be separated by filtration? Give reason.

30.Give two examples of solutions used in daily life.

Class VIII – English Holiday Homework

1. Letter Writing

Write a letter to your parents thanking them for their love, care, and support. (120–150 words,
proper format)

2. Diary Writing

Write two diary entries:
• Christmas Day
• New Year Celebration
(80–100 words each)

3. Reading & Summary

Read 5 short stories and 2 poems. Write a short summary of each. Mention title and author.

4. Revision Work

Revise Unit 3 and Unit 4 for PT–2 examination.

5. Grammar

Learn rules of all tenses (Present, Past, Future). Write two examples of each tense.

Instructions:

• Do all work neatly in notebook.
• Use blue pen only.
• Homework will be checked after holidays.

Holidays Homework Class 8. Social Studies

1. "My First Vote" (Imaginary Experience)

Objective: To understand the importance of voting

Instructions:

Imagine you are 18 years old and voting for the first time. Write a one-page project including:

What is Universal Adult Franchise

How you felt while voting

Why voting is important in a democracy

A message to young citizens

2. Slogan & Poster Project

Objective: To promote voting awareness

Task:

Create 5 slogans on Universal Adult Franchise

Design a poster encouraging people to vote

3.Try to track the journey of a recent Bill passed by the parliament identify in which house it was introduced were there any major debates or disagreements how long did it take for the bill to become a law you use newspaper archives government websites and Lok Sabha debates .

4. Prepare for your PT 2 exam

हिन्दी

1. तरुण के स्वभाव पाठ के आधार पर बताइए कि तरुण वर्ग का क्या दायित्व है ?
2. आदमी का अनुपात पाठ का प्रतिपाद्य लिखो।
3. निबन्ध – लिखो

   विषय – बढ़ता प्रदूषण (आज का का मेहमान)

4. 5–5 पर्यायवाची शब्द लिखो –

   लक्ष्मी, कमल, सागर, पर्वत

5. कोई 10 मुहावरे लिखकर उनके वाक्य बनाओ ।

संस्कृत

1. आत्मन् और मधु शब्दों के रूप सभी विभक्तियों / वचनों में लिखकर याद करो।
2. भू (होना) धातु का रूप पाँचों लकारों में लिखकर याद करो।
3. वर्णोच्चारण स्थान का सचित्र वर्णन।
4. 10 सुभाषित लिखो / याद करो।
5. (1–100) तक संस्कृत में गिनती लिखो।
6. **<u>CLASS 8th WINTER BREAK HOLIDAYS HOMEWORK</u>**
7. **1. Write the properties of -square, rectangle, parallelogram, rhombus, trapezium, kite.**
8. **2. Write divisibility rules from 2 to 11 with examples.**
9. **3. Define digital roots with 5 examples.**
10. **4. Solve the given questions with identities or using distributive laws-**
11. **□□406^2**
12. **□□72^2**
13. **□□145^2**
14. **□□1097^2**
15. **□□124^2**
16. **□□(p-1)(p+11)**
17. **□□(3a-9b)(3a+9b)**
18. **□□$(6x+5y)^2$**
19. **□□$(2x-½)^2$**
20. **□□(2a+1)(3a-2)**