PM SHRI KV CRPF BIJNAUR, LUCKNOW (2025-26)

CLASS-9

HOLIDAY HOME WORK (Winter Break)

1. **SUB- English Language and Literature**

Assignment: Value-Based Questions

Word Limit: 100–120 words each

Instructions:

Answer any eight questions.

Answers should reflect values, personal opinion, and real-life relevance.

1. The Fun They Had

Margie dislikes her mechanical teacher.

Question: What values related to education and human interaction does the story highlight?

Hints / Values:

Importance of human teachers

Emotional connection in learning

Balanced use of technology

Social interaction and empathy

2. The Sound of Music

Evelyn Glennie succeeds despite being deaf.

Question: What values of determination and self-belief does her life inspire?

Hints / Values:

Hard work and perseverance

Positive attitude towards disability

Self-confidence

Never giving up

3. The Little Girl

Kezia misunderstands her father.

Question: What values about parenting and relationships does the story teach?

Hints / Values:

Importance of understanding parents

Emotional bonding

Effective communication

Love behind strictness

4. Poem: Wind

Question: How does the wind symbolize challenges, and what values help us face them?

Hints / Values:

Wind as difficulties in life

Strength of mind and body

Courage and resilience

Mental toughness

5. A Truly Beautiful Mind

Albert Einstein was a great humanitarian.

Question: What values of peace and social responsibility can we learn from him?

Hints / Values:

Scientific knowledge with ethics

Peace and non-violence

Responsibility towards humanity

Humility

6. Rain on the Roof

Question: What values related to childhood and emotional well-being are reflected?
Hints / Values:

Importance of family memories

Emotional comfort

Love and security

Mental peace

7. The Snake and the Mirror

Question: What lesson does the narrator learn about arrogance?

Hints / Values:

Dangers of pride

Importance of humility

Self-realization

Respect for life

8. No Men Are Foreign

Question: What values of brotherhood and humanity does the poem promote?

Hints / Values:

Universal brotherhood

Equality

Peace and unity

Anti-war message

9. My Childhood (A.P.J. Abdul Kalam)

Question: What values of simplicity and unity are highlighted in this story?

Hints / Values:

Religious harmony

Discipline

Hard work

Simplicity in lifestyle

10. Compare and contrast the atmosphere in and around the Baudhnath shrine with that in the Pashupatinath Temple.

2. विषय: – हिंदी

1 निम्नलिखित विषयों में से किसी एक विषय पर संकेत बिन्दुओं के आधार पर लगभग 120 शब्दों में एक अनुच्छेद लिखिए-

(क) सिनेमा व युवा पीढ़ी

संकेत बिन्दु :भूमिका,युवा पीढ़ी पर सकारात्मक प्रभाव,युवा पीढ़ी पर नकारात्मक प्रभाव,उपसहार

(ख) स्मार्ट क्लास की उपयोगिता

संकेत बिन्दु :छात्रों की अधिक सक्रियता,विषयवस्तु का अधिगम,कम समय में अधिक जानकारी प्राप्त करना,छात्रों पर प्रभाव

2. किसी प्रसिद्ध समाचार पत्र के संपादक के नाम लगभग 100 शब्दों में एक पत्र लिखकर रेल आरक्षण व्यवस्था में हुए सुधार की प्रशंसा कीजिए।

3.आपके मित्र का तैराकी के लिए अगले ओलंपिक खेलों के लिए चयन हो गया है। उसे प्रोत्साहन देते हुए लगभग 100 शब्दों में एक पत्र लिखिए।

4.अपने क्षेत्र में एक पार्क विकसित करने के लिए सभी कॉलोनीवासियों की ओर से नगर निगम अधिकारी को लगभग 80 शब्दों में एक ई-मेल लिखिए।

5.अभी तक पढ़ाए गए पाठ के प्रश्नोत्तर और भाषा की बात आवधिक परीक्षा -3 के लिए पुनरावृत्ति कीजिए।

3. MATHS

A. Revise all the chapters for Periodic Test 3
B. Practice all NCERT examples and questions for PT-3 exam.
C. SYLLABUS for PT-3 EXAM:
   CHAPTER 8: QUADRILATERALS
   CHAPTER 9: CIRCLES
   CHAPTER 10: HERON'S FORMULA
D. Do the following questions worksheet in Maths notebook.

WORKSHEET

1. The lengths of the sides of a triangle are in the ratio 3:4:5 and its perimeter is 24 cm. Find the area of the triangle using Heron's formula.
2. The lengths of the sides of a triangle are 6 cm, 8 cm, and 10 cm. If each side of the triangle is doubled, find the area of the new triangle using Heron's formula.
3. Find the total cost of levelling the ground in the form of a triangle with sides of 16m, 12m and 20m at Rs. 4 per sq. meter.
4. Find the area of a given triangle, two sides of which are 8cm and 11cm, and the perimeter is 32cm
5. The perimeter of a given triangular ground is 420m, and its sides are in the ratio 6:7:8. Find the area of the triangular ground.
6. Three angles of a quadrilateral are equal and the fourth angle is equal to 144°. Find each of the equal angles of the quadrilateral.
7. Prove that a diagonal of a parallelogram divide it into two congruent triangles.
8. ABCD is a rhombus. Show that diagonals AC bisects ∠A as well as ∠C and diagonal BD bisects ∠B as well as ∠D.
9. The radius of a circle is 13 cm and length of one of its chords is 24 cm. Find the distance of the chord from the centre.
10. If the non-parallel sides of a trapezium are equal, prove that it is cyclic.

4. SUB: SCIENCE

II. Prepare the given chapters for your PT3 Exams.

1. Atoms and Molecules
2. Structure of atoms
3. Gravitation
4. Work and Energy

II.SUBJECT ENRICHMENT ACTIVITY: Solve the worksheet in your Science Notebook.

SCIENCE WORKSHEET

Q1. Give three differences between acceleration due to gravity (g) and universal gravitational constant (G).

Q2. Derive expression for force of attraction between two bodies and then define gravitational constant.

Q3. State the Universal law of Gravitation.

Q4. Why is it difficult to hold a schoolbag having a strap made of a thin and strong string?

Q5. Amit buys a few grams of gold at the poles as per the instruction of one of his friends. He hands over the same when he meets him at the equator. Will the friend agree with the weight of gold bought? If not, why?

Q6. Why do we hear the sound produced by the humming bees while the sound of vibrations of a pendulum is not heard?

Q7. Draw Graph each with two separate diagrams (i) Two sound waves with equal amplitude but different frequencies?

(ii) Two sound waves with equal frequency but different amplitudes.

(iii) Two sound waves have different amplitudes and also different wavelengths.

Q8. Suppose you and your friend are on the moon. Will you be able to hear any sound produced by your friend?

Q9. Find the wavelength of a sound wave with a frequency of 220 Hz and a velocity of 440 m/s in a specific medium.

Q10. Show diagrammatically the formation of O $\longrightarrow$ O^{2-} ion?

Q11. Electron attributes negative charge, protons attribute positive charge. An atom has both but why there is no charge?

Q12. Write the correct representation of an element 'X' which contains 15 electrons and sixteen neutrons.

Q13. Predict the valency of the following elements

(i) A (Atomic number 5) (ii) B (Atomic number 12)

(iii) C (Atomic number 14) (iv) D (Atomic number 17)

Q14. Find the molecular mass of H_2O.

Q15. What is Law of conservation of mass and Law of constant proportions?

Q16. Define atomicity.

Q17. A pair of bullocks exert a force of 140 N on a plough. The field being ploughed is 15 m long. How much work is done in ploughing the length of the field?

Q18. What will happen to the kinetic energy of a body if its mass is doubled?

Q19. A light body and a heavy body have the same kinetic energy. Which one will have the greater momentum?

Q20. Explain power. What is 1 watt of power? Calculate the power if the lamp consumes 1000 J of electrical energy in 10 s.

5. **SUB: SOCIAL SCIENCE**

1. Complete CW & HW .

2. Prepare 10-10 Mcqs of following chapters
    A. Working of Institution
    B. Forest society & Colonialism
    C. Food security in India
    D. Pastoral life & the modern world
    E. Population
3. Prepare a project on Indian constitution
   INDEX
    A. INTRODUCTION
    B. MEANING OF CONSTITUTION
    C. WHY DO WE NEED A CONSTITUTION?
    D. PREAMBLE OF INDIA
4. Complete map work of following chapter
    A. India size and location (Tropic of cancer, Indian standard time, Arabian sea & Bay of Bengal)
    B. Physical features of India(Himalayas , Northern plain, The Desert , Costal plain & Indian island)
    C. DRAINAGE(Ganga river, Brahmaputra & Godavari river)
    D. CLIMATE(Areas Receiving Highest & Lowest rainfall)
    E. Natural vegetation and wild life(National park & Bird sanctuary)
       Note- Use separate maps for each chapter.
5. Do social work in your surroundings and do help to your parents in their domestic work and prepare a report in a separate sheet narration your experiences also.