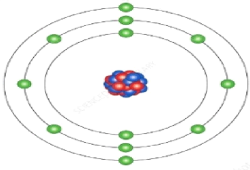


PM SHRI KENDRIYA VIDYALAYA DEWAS PRACTICE PAPER WINTER BREAK HOMEWORK			
TIME 1:30 hrs	SUBJECT- SCIENCE	CLASS-9th	MM 40
SECTION-A (1 marks each)			
Q.1	Following atomic structure is of which element - <div style="text-align: center;">  </div>	1	
	a) Hydrogen b) zinc c) Magnesium d) Iron		
Q.2	The term Mitochondria was given by- a) Robert Hooke b) C. Golgi c) C. Benda d) Robert Brown	1	
Q.3	Which of the following statements is not true about an atom: (a) Atoms are not able to exist independently. (b) Atoms are the basic units from which molecules and ions are formed. (c) Atoms are always neutral in nature. (d) Atoms aggregate in large numbers to form the matter that we can see, feel or touch.	1	
Q.4	What is the valency of an element with 5 valence electrons ? (a) 2 (b) 3 (c) 0 (d) 8	1	
Q.5	Write down the chemical formula of Copper nitrate?	1	
Q.6	Write isotopes of chlorine?	1	
Q.7	_____ is the control room of the cell.	1	
Q.8	Transporting channels of the cell _____.	1	
Q.9	Write Newton's first law of motion?	1	
Q.10	Which one of the following is a correct configuration of sodium: (a) 2,8 (b) 8, 2, 1 (c) 2, 1,8 (d) 2, 8, 1.	1	
SECTION-B (3 marks each)			
Q.11	Define Newton Second law of motion . Derive the mathematical formulation of Newton's second law of motion?	3	
Q.12	What are meristematic tissue? How we can classify them also write function for each type.	3	

Q.13	Match the Column : Column A Column B 1. Ernest Rutherford (a) Indivisibility of atoms 2. J.J. Thomson (b) Stationary orbits 3. Dalton (c) Concept of nucleus 4. Neils Bohr (d) Discovery of electrons 5. James Chadwick (e) Atomic number 6. E. Goldstein (f) Neutron 7. Mosley (g) Canal rays	3
Q.14	Difference between isotopes and isobars with examples?	3
Q.15	Draw a well labelled diagram of animal cell?	3
	<u>SECTION-C (5 marks each)</u> Attempt any three question.	
Q.16	A 8000 kg engine pulls a train of 5 wagons, each of 2000 kg along a horizontal track. If the engine exerts a force of 40,000 N and the track offers a friction force of 5000 N, then calculate: (a) the net accelerating force and (b) the acceleration of the train OR	5
	Write atomic number and mass number and make atomic structure of following elements- (a) Lithium (b) Beryllium (c) Fluorine (d) Neon (e) Silicon	
Q.17	Define valency by taking 4 examples? OR	5
	Compare models of an atom given by Thomson, Rutherford and Bohr.	
Q.20	Read the passage and answer any four questions: Atom can be described as in building houses the building blocks of all matter are atoms. A molecule is in general a group of two or more atoms that are chemically bonded together, that is, tightly held together by attractive forces. A molecule can be defined as the smallest particle of an element or a compound that is capable of independent existence and shows all the properties of that substance. Atoms of the same element or of different elements can join together to form a molecule. The number of atoms constituting a molecule is known as its atomicity. Metals and some other elements, such as carbon, do not have a simple	5

	structure but consist of a very large and indefinite number of atoms bonded together.	
(a)	Which of the following has a maximum molecular mass? (a)H ₂ O (b)O ₂ (c)CO ₂ (d)CH ₄	
(b)	Give the chemical formula of following compound (a) Calcium chloride (b) Copper sulphate (c) Potassium hydroxide	
(c)	Find the valence electrons of Potassium, Sodium, Nitrogen and Neon	
(d)	The molecule having atomicity of 4 is: (a)Sulphate molecule (b)Ozone molecule (c)Phosphorus molecule (d)Methane molecule	

Home work class 8th science

Chapter Sound:

Multiple Choice Questions

1. What is the medium required for sound to travel?
 - a) Solid
 - b) Liquid
 - c) Gas
 - d) All of the above
2. Which of the following is an example of a musical sound?
 - a) Noise of a car horn
 - b) Sound of a bird chirping
 - c) Sound of a bell ringing
 - d) Sound of a waterfall
3. What is the unit of measurement for frequency?
 - a) Hertz (Hz)
 - b) Decibel (dB)
 - c) Amplitude
 - d) Wavelength

Short Answer Questions

1. What is sound? How is it produced?
2. Describe the difference between a musical sound and a noise.
3. What is the relationship between frequency and pitch?

Long Answer Questions

1. Explain how sound travels through different mediums, such as solids, liquids, and gases.
2. Describe the structure and function of the human ear.
3. What are the applications of sound in our daily lives?

Numerical Problems

1. A sound wave has a frequency of 500 Hz. Calculate its time period.
2. The speed of sound in air is 343 m/s. Calculate the wavelength of a sound wave with a frequency of 200 Hz.

Multiple Choice Questions

1. What is the chemical effect of electric current on water?
 - a) Decomposition into hydrogen and oxygen
 - b) Formation of acid and base
 - c) Release of heat energy
 - d) None of the above
2. Which of the following is an example of electrolysis?

- a) Passing electric current through a copper wire
- b) Heating water using an electric heater
- c) Decomposing water into hydrogen and oxygen using electric current
- d) Melting ice using a hair dryer

3. What is the purpose of an electrolyte in an electrolytic cell?

- a) To conduct heat
- b) To conduct electricity
- c) To produce light
- d) To produce sound

Short Answer Questions

1. What is electrolysis? Explain with an example.
2. Describe the chemical effects of electric current on a metal.
3. What is the difference between an electrolyte and an insulator?

Long Answer Questions

1. Explain the process of electrolysis of water. What are the products formed?
2. Describe the chemical effects of electric current on different materials, such as metals, acids, and bases.
3. What are the applications of electrolysis in our daily lives?

Numerical Problems

1. Calculate the amount of hydrogen gas produced when 2A of electric current is passed through water for 10 minutes.
2. Calculate the mass of copper deposited when 5A of electric current is passed through a copper sulfate solution for 30 minutes.

Winter Break Home work of Science (By Shruti Ma'am)

- * Write key words of chapters reaching the age of adolescence, sound, chemical effects of electric current in detail
- * Learn and write the definitions of all the above three chapters.
- * Learn the question answers of above three chapters.

Note - Home work is to be done in class work copy

HOLIDAY HOMEWORK SCIENCE CLASS VII

Q1 Prepare a MDP project on topic - Forest : Our Lifelines

Go through the topic given in your text book and prepare a project based on following important points.

Crown and Canopy of forest

Uses of forest

Food chain and Food Web

Consumer and their types

Deforestation and Soil Erosion.

Q2 Prepare all the chapters done after Term 1

CLASS VI SCIENCE

Winter Holiday Homework

Q1 Observe and record the activities in daily life that involve evaporation and Condensation.

Q2 Draw a well labelled diagram of Water Cycle.

Q3 Draw a diagram of following separation methods Filtration, Sedimentation and Decantation, Winnowing, Sieving.

Q4 Note down the maximum and minimum temperature of all 10 days in degree Celsius.

Q5 Prepare all the chapters completed after Term 1 exam.

Class VI Maths

Winter break H.W.

CH3 Number play

Page N.57 Q 1,2,3,4

Page N. 59 Q1

Page N. 64 Q1,4

Page N. 72 Q6,9

Ch4 Data Handling

Page N.84 Q2

Page N.93 Q2

Page N.98 Q8,9

Ch 5 Prime Time

Page111 Q 4,5,8,9,10

Page N.114 Q5,7

Page N115 Q 10,11

Page N116 example

Page N 120 Q1,5

Page N.122 Q 1,2

Page N 125 Q1,2

Page N.126 Q 4,6

Ch 6 Perimeter and Area

Page N.132 Q1,3,6

PageN.138 Q1,4

Class -VII (Maths)

Winter break H. W.

Ex 8.1- Q1 to Q10(any two parts of each question)

Ex8.2- Q1to Q4(any 2parts of each question)

Ex9.1- Q1,2,5,6,8

Ex9.2- Q1, 2,4,6,7,12,16

Ex10.1- Q1,2,3,4,5,6,7(any2 parts of each question)

Ex10.2- Q1toQ7(any 2 parts of each question)

Ex11.2- Q1,2(any 5 parts of each question)Q4,5(any 2parts)

Ex11.3- Q1toQ4(any 2parts of each)

Class VIII Maths

Winter break H. W.

Ex8.1 Q1,Q2(any 3partsof each question)

Ex8.2- Q1,2,3,4,5(any 3parts parts)

Ex8.3- Q1, 2,3,4,6(any3 parts)

Ex 8.4- Q1,2,3(any4 parts)

Ex9.1 - Q2,4,5,6,8

Ex9.2- Q1,3,5,7,9

Ex9.3 Q2,4,5,6

Ex10.1- Q1, 2,3,4(any 2parts)Q6,7

Ex10.2- Q1,2,3,4(any 2parts)

Ex11.1- Q1,4,6,7,8

Ex11.2- Q2,3,4,5

Winter break Home Work

Subject -Maths

Class-9

Chapter 8 Quadrilaterals

Theorem 8.1

Ex8.1 -Q1,2,5,6

Ex8.2-Q1,2,3,5

Example-1,4,6

Chapter 9 Circles

Theorem -9.1, 9.7

Ex9.1-Q1,2

Ex9.2-Q1,2,5,6

Ex9.3-Q2,3,5,6,8,12

Chapter 10 Heron's Formula

Ex10.1-Q1,2,3,5,6

Example 2

Chapter 11 Surface area and volume

Learn and write all formulas of this chapter

Ex11.1-Q 1,3,4,6,8

Ex11.2 -Q 3,4,6,7

Ex11.3 -Q 3,6,7,9

Ex11.4 -Q3,4,6,8,9

Example -3,7,9,11

Chapter 12 Statistics

Ex12.1 Q1,3,4,7,8

Example -4,5

English (10 Day Winter Break Homework)

Class 6

1. Read any folk tale (from NCERT or your own choice) and retell it in your own words. Draw a scene from the story.
2. Write a paragraph about your favourite animal, highlighting nouns in one colour and verbs in another.
3. Write a 4-line poem about "Rain" and draw raindrops around it.
4. Design a new cover for your English textbook with a title, picture, and your name as the "designer."
5. Find 5 new words from your textbook, write their meanings, and make sentences with them.
6. Choose a character from a story and write what you liked from that character in your words.
7. Collect leaves and make a leaf art picture. Write the steps how did you make it.
8. Make a greeting card for your teacher, using simple English sentences like "Thank you for helping me learn."

Class 7

1. Create a comic strip about a funny incident during a school, trip or festival.
2. Choose 5 difficult words from your textbook and write sentences using that 5 words in cloud bubbles.
3. Write paragraph about a family member you admire and why.
4. Write the recipe for your favourite snack or food in simple steps.
5. Draw your dream house and write 5 sentences about it.
6. Write down 10 things which you learn from your parents, teacher and friends. After writing 10 sentences find noun, pronoun and verb in them.
7. Go on a short walk near your home and write a 4-sentence story or poem about what you saw. (Meadow Surprises)
8. Read all the poem from your syllabus (October to December) and find all the rhyming words and their meaning.

Class 8

1. Create a questionnaire if you are in place of Firdaus Kanga in the story "A Visit To Cambridge". What question would you ask from Stephan Hawking?
2. Write a letter to your parents, thanking them for their support in your studies.
3. Write a Diary Entry on Christmas Day.
4. Read any poem (October to December) and write its summary and central idea.
5. Identify and write down 5 verbs and adjectives from story (The Fight) in your

textbook.

6. Write 15 words with their meaning which you learn during this winter break and after winter break you must use them in your daily life.
7. Write a dialogue (4-6 lines) between two animals discussing the importance of forests.
8. Find out what are figure of speech at least write 5 five figure of speech with example.

Class 9

1. Design a poster for a "Swachh Bharat Campaign" with a slogan and simple artwork.
2. Ask a family member about their childhood and write a descriptive paragraph about their favourite memory.
3. Write a story starting with: "One morning, I woke up and found myself in another city..."
4. Pick 10 challenging words from your syllabus, write their meanings, and draw a picture representing each word.
5. Write a short song or rap about your school life (5-6 lines).
6. Read all the poem from your syllabus (October to November) and try to find out which figures of speech are used in them.
7. Watch a news segment and write 2 points you learned and 1 question you have about it.
8. Create a poster with 5 things you are thankful for this winter break and decorate it.

Class 10 (Creative + Practical)

1. Write a short speech on "The Power of Kindness"
2. Continue the story starting with: "As the sun set, I realized I was lost in the forest..."
3. Write 5 sentences using modals (can, could, might, etc.) in everyday situations.
4. Create a collage of your career goals and write 2 sentences about each.
5. Write 3 points for and 3 points against the topic: "Social media is a boon for teenagers."
6. Design a poster on "Save Water, Save Life" with a short slogan and colorful visuals.
7. Write the central idea of the poem "The Ball Poem" in 40 words and draw a ball to represent the poem.

शीतकालीन अवकाश गृह कार्य 2024-25

कक्षा 6 , विषय- हिंदी

निर्देश:-प्रश्नों के उत्तर नोट बुक में ही लिखना है।

- PT - 2 परीक्षा के पाठ्यक्रम को देखते हुए सभी पाठों का अभ्यास करें।
- कोई पांच कहावतें लिखें। सभी कहावतों को अच्छे से याद करें।
- जलाते चलो कविता कंठस्थ (याद) करें।
- सभी शास्त्रीय नृत्यों व संबंधित राज्यों की सूची तैयार करें।
- मध्य प्रदेश के कुछ लोकगीत व लोकनृत्य की सूची तैयार करें।
- शीतकालीन अवकाश में मित्र को बुलाने हेतु निमंत्रण पत्र लिखिए।
- प्रधानाचार्य को पत्र लिखकर अनुरोध कीजिए कि विद्यालय में अनुसंधान विकास प्रयोगशालाओं का आयोजन करवाया जाए।
- किसी एक विषय पर अनुच्छेद लिखिए - गुरु का महत्व, परीक्षा एक मुसीबत, मेरे जीवन में मां की भूमिका, मेरा प्रिय लोक नृत्य
- एक अपठित गद्यांश/ पद्यांश का अभ्यास कॉपी में लिखकर करें।

केंद्रीय विद्यालय देवास
शीतकालीन गृहकार्य हिंदी कक्षा सातवीं A,B,C

सत्र 2024-25

1-जब द्रौपदी को साथ लेकर पांडव वन की ओर जाने लगे तब धृतराष्ट्र और विदुर के बीच हुई बातचीत को संवाद रूप में लिखिए?

2 सन् 1857 के आंदोलन में भाग लेने वाले किन्हीं चार सेनानियों पर दो-दो वाक्य लिखिए ?

3- भोर और बरखा पाठ के आधार पर सावन की विशेषताएं लिखो?

4- भक्ति कालीन कवि और कवयित्रियों के नाम लिखो-

5 - विग्रह कीजिए-

क- नीलाभ- _____

ख- नवागंतुक----- _____

ग- सिंहासन----- _____

घ- मेघाच्छन्न----- _____

6 अज्ञातवास के समय पांडव कहां रुके ?और किस किस नाम से नौकरी करते रहे?

7- महाभारत काल में कौरव पक्ष के वीर सैनिकों के नाम लिखो ?

8-महाभारत युद्ध किन किन के बीच हुआ? और उसके कारण लिखो?

9 किसी एक विषय पर एक अनुच्छेद लिखो- क-विद्यालय का वार्षिकोत्सव

ख- शीतकालीन अवकाश

ग- गुमनाम स्वाधीनता सेनानी

10.राजदूत संजय से लेकर श्रीकृष्ण और युधिष्ठिर तक पाठ पढ़कर प्रत्येक पाठ से दो- दो प्रश्न बनाकर उत्तर लिखिये।

11.पांच पृष्ठ सुलेख लिखो।

शीतकालीन अवकाश गृह कार्य 2024-25

कक्षा 8 , विषय- हिंदी

निर्देश:-प्रश्नों के उत्तर नोट बुक में ही लिखना है।

- PT - 2 परीक्षा के पाठ्यक्रम को देखते हुए सभी पाठों का अभ्यास करें।
- किन्हीं 2 पाठों के लिए शिक्षार्थी डायरी लेखन कार्य कॉपी में ही करें। (उस पाठ में क्या रुचिकर लगा ?, क्या चुनौतीपूर्ण लगा ?)
- सूरदास के पद कंठस्थ (याद) करें।
- किसी एक विषय पर अपने विचार साझा करें - शैक्षणिक भ्रमण, मेले अथवा खेल दिवस
- ' अंतिम दौर १ ' से कोई 20 प्रश्नों का निर्माण करें व उत्तर खोज कर कॉपी में लिखें।
- माताजी को पत्र लिखकर विद्यालय के वार्षिकोत्सव के बारे में बताइए।
- स्वास्थ्य अधिकारी को पत्र लिखकर सूचित करें कि आपके क्षेत्र में ऑक्सीजन की मात्रा कम होती जा रही है । इस हेतु वर्षों की संख्या बढ़ाई जानी चाहिए।
- किसी एक विषय पर अनुच्छेद लिखिए - कृष्ण की बाल लीलाएं, गुरु का महत्व
- एक अपठित गद्यांश/ पद्यांश का अभ्यास कॉपी में लिखकर करें।

पीएम श्री केंद्रीय विद्यालय देवास
शीतकालीन अवकाश गृह कार्य
कक्षा 9 वीं हिंदी

- 1- शीतकालीन अवकाश में विद्यालय में नाट्य प्रशिक्षण शिविर आयोजित करने का अनुरोध करते हुए प्राचार्य को ईमेल लिखिए।
- 2- निम्न विषयों में से किसी एक पर अनुच्छेद लिखिए
प्रिय खेल, विद्यालय का वार्षिकोत्सव, पर्यावरण प्रदूषण
- 3- आधुनिक फैशन विषय पर सीमा और महिमा नामक दो सहेलियों के बीच हुई बातचीत को संवाद रूप में लिखिए।
- 4- सच्चा मित्र शीर्षक पर एक लघु कथा लिखिए।
- 5- अपने बचपन को याद करते हुए अपने बचपन की किन्हीं पांच रोचक घटनाओं का वर्णन कीजिए।
6. अक्टूबर से दिसंबर तक पढ़ाए गए पाठों के प्रश्नोत्तर याद कीजिए

PM SHRI KENDRIYA VIDYALAYA BNP DEWAS

HOLIDAY HOME WORK

CLASS -6
SCIENCE

SUBJECT- SOCIAL

1. Rewrite chapter- Landforms and Life , Grassroots Democracy- Part 1 : Governance, The value of work.
2. Take a blank Indian political map and mark all the states.
3. Explain Mountains, plateaus and plains
4. Write the ancient name of India.
5. Write the type of family.
6. Write- Three organ of Government
 - Three level of Government ,
7. What is the democracy?
8. Why do we need government?
9. Write about economic activities and non- economic activities with example.
10. LOCATE PILGRIMS CENTRES ON AN OUTLINE MAP OF INDIA
 1. Haridwar 2. Mathura 3. Varanasi
 4. Kanyakumari 5. Nasik 6. Ujjain
11. Prepare the Learner'diary for all the chapters which taught in class along these headings
 1. What I learnt from this chapter
 2. What I found interesting in this chapter
 3. What I found challenging in this chapetrs

PM SHRI KENDRIYA VIDYALAYA BNP DEWAS

HOLIDAY HOMEWORK

CLASS:- 7 TH

SUBJECT- SOCIAL SCIENCE

1. Learn question and answer of - Tribes, Nomads and settled communities, Air, Water
2. Write all matching, fill in the blanks, tick the correct answer and true and false of - Tribes, Nomads and settled communities, Air and Water
3. Locate – some of the major Indian tribes on Indian map. (Subject enrichment activity)
4. Draw a picture of water cycle.
5. Write a short note on 'Tsunami'.
6. Draw a chart of distribution of water bodies.
9. Were the Banjara important for the economy?
10. Give reason- Ocean water is salty
 - Wet clothes take longer time to dry on a humid day.

History: India and the Contemporary World – I

1. Timeline Activity –

Create a timeline of the key events from Chapter 1: The French Revolution. Highlight important dates and describe their significance in 2-3 sentences.

2. Research Project –

Choose one revolutionary figure (like Napoleon Bonaparte or Maximilien Robespierre). Prepare a one-page biography with illustrations, focusing on their contributions and controversies.

Geography: Contemporary India - I

1. Map Work –

Mark the following on a political map of India: a. Major rivers: Ganga, Brahmaputra, Godavari, Krishna b. Mountain ranges: Himalayas, Western Ghats, Eastern Ghats c. Plains: Indo-Gangetic Plain

2. Climate Study –

Create a chart showing the climatic features (temperature, rainfall, vegetation) of any two states from different climatic zones of India.

3. Case Study –

Write about the importance of natural resources in India and suggest ways to conserve them. Include examples from Chapter 1: India - Size and Location.

Civics: Democratic Politics – I

1. Debate Preparation o Prepare arguments (for and against) the statement: “Democracy is the best form of government.” Present your thoughts in 150 words.

2. Poster Making –

Design a poster on the topic “Democracy and Its Features” using slogans, symbols, and drawings.

कक्षा षष्ठी

शीतावकाशाय - गृहकार्यम्

विषयः - संस्कृतं

प्रश्न 1) संस्कृते स्वस्य परिवारस्य च परिचयं लिखत ।

प्रश्न 2) 'पृथिव्यां त्रीणि रत्नानि ' इत्यस्य श्लोकानां स्मरणं कुरुत । एकं श्लोकं अर्थसहितं 'चार्ट' इत्यस्य उपरि लिखत ।

प्रश्न 3) स्व पाठ्य पुस्तकात् का अपि एकाम् कथाम् चित्वा A-4 शीट इत्यस्य उपरि कथायाः चित्र निर्माणं कुरुत ।

प्रश्न 4) पठ धातोः लट् लृट् च लकारे धातु रूपाणि लिखत ।

कक्षा सप्तमी

शीतावकाशाय - गृहकार्यम्

विषयः - संस्कृतं

प्रश्न 1) विश्वबंधुत्वं पाठस्य वाचनं कुरुत , वाचनस्य एका वीडियो अपि निर्मातयत ।

प्रश्न 2) विद्याधनं पाठस्य कः अपि एकं श्लोकं अर्थसहितं 'chart' इत्यस्य उपरि लिखत ।

प्रश्न 3) स्व- विद्यालयस्य विषये 100-150 शब्देषु संस्कृत - भाषायां एकं लेखं लिखत ।

प्रश्न 4) " संस्कृत भाषा ज्ञान- विज्ञानयोःभाषा अस्ति " इति विषयोपरि 20 तथ्यानि लिखत ।

कक्षा अष्टमी

शीतावकाशाय - गृहकार्यम्

विषयः - संस्कृतं

प्रश्न 1) सावित्री बाई फुले महोदयाया : जीवनचरितं संस्कृते लिखत 100-150 शब्देषु ।

प्रश्न 2) स्व - पाठ्यपुस्तकात् का अपि एकां कथां चित्वा तस्योपरि कॉमिक निर्माणं कुरुत ।A -4 शीट इत्यस्य उपरि ।

प्रश्न 3) बालक, बालिका,हरि, पितृ शब्दानां रूपाणि लिखत ।

प्रश्न 4) शीतावकाशस्य विषये 200 शब्देषु संस्कृते लिखत ।