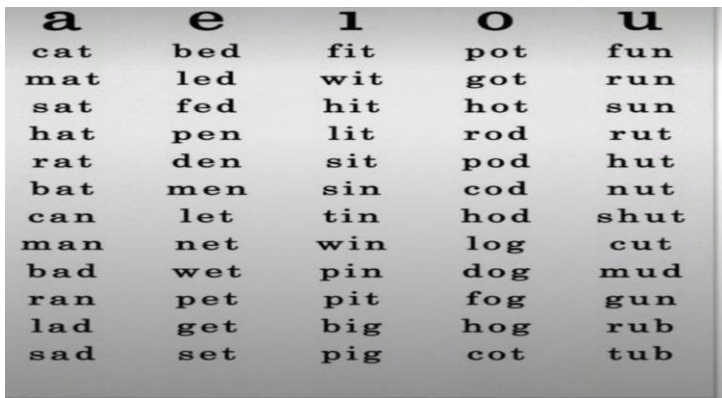
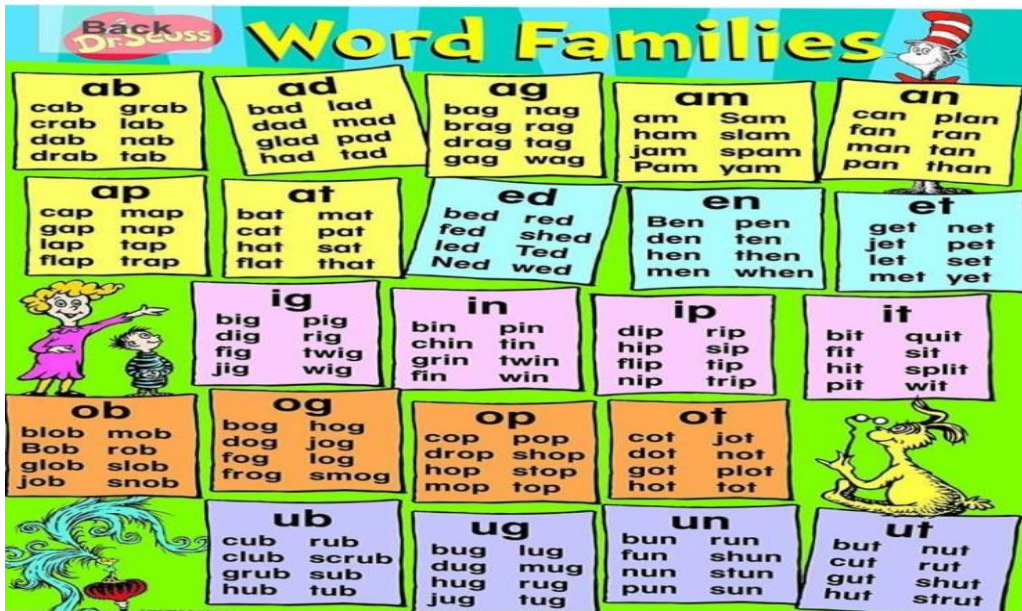


Kendriya Vidyalaya No.3, Machhe, Belagavi

Autumn Break 2023-2024

Class: I

Subjects	Homework
English	<p>1) Students have to read one or two paragraphs daily for reading purpose.</p> <p>2) Read and write daily 10 words.</p>  <p>3) Make chart Roll No 1 to 10 - Draw any 5 fruits. (In chart) Roll No 11 to 20 – Draw any 5 vegetables (in chart) Roll No 21 to 30 – Draw any 5 your favourite food items . (In chart) Roll No 31 to 39 – Draw any one season drawing . (In chart)</p> <p>4). Read the below given word .</p> 

Hindi	https://drive.google.com/file/d/1YHA8j3TAmuOegLiHDkGa32ru5_LPSSu3/view?usp=sharing १) कक्षा के व्हाट्सप ग्रुप पर भेजे हुए शब्दों का हर रोज़ वाचन करे। २) पुरानी नोटबुक में रोज़ एक पन्ना हिंदी सुलेख लिखे।
Mathematics	<ul style="list-style-type: none"> ➤ Write forward counting from 1 to 100 ➤ Backward counting 100 to 1. ➤ Draw your own pattern with colours, alphabet, numbers. ➤ Write number names from 1 to 20 Note: Do all work on A4 sheets.
E.V.S	1) Toys using Colour paper. 2) Toys using ice cream sticks 3) Toys using cardboard 4) Toys using Colour paper. 5) Toys using woolen.... Learn spelling Domestic Animals Wild Animals Flower's & colour name.....

Class: II

Subjects	Homework
English	<ul style="list-style-type: none">• Read one page daily (Unit -3 &4) and learn new words.• Make a family/blend words on cardboard.Ex.Bat, mat , rat Tap,map , cap etc .• Write Aa- Zz three times on A-4 size sheet.
Hindi	<ul style="list-style-type: none">• वर्णमाला लिखिए। (5बार)• दो अक्षर वाले दस शब्द लिखिए ।• तीन अक्षर वाले दस शब्द लिखिए ।• कविता याद करनी है। (बहुत हुआ , तितली और कली, सूरज जल्दी आना जी।)
Mathematics	<ul style="list-style-type: none">• Draw a design using all lines on A4 sheet.• Daily practice 5 carry over addition .Ex.58+ 69.• Learn 2 to 10 Tables and practice 2 times on A4 sheet.• Prepare 2 garlands of each 10 beads• Learn and practice number names 1 to 100.
E.V.S	<ul style="list-style-type: none">• What do you cut using following things. (SCISSOR, KNIFE, HANDSAW, SICKLE)• Collect different MEANS OF TRANSPORT and write about it.• Collect the picture of healthy food items and write about it.• Draw the picture of a traffic light and indicate colours ।

Class: III

SUBJECT	HOME WORK
HINDI	<ol style="list-style-type: none">वर्णमाला (दो बार) लिखोआ की मात्रा वाले 10 शब्द लिखो।इ की मात्रा वाले 10 शब्द लिखो।पाठ – अक्ल बड़ी या भैंस से संबंधित चारों मुहावरों का चित्र बना कर लिखें।रोज़ एक पेज पढ़ें।एक पौधा लगाना फूल या फल का रोज पानी डालना और वीडियो बनाना। सारा काम एक अलग कॉपी में करे
ENGLISH	<p>*Practice cursive handwriting (1 page a day)</p> <p>*Write rhyming words.(Any 10)</p> <p>*Read short stories.</p> <p>*Make an envelope.(Page no.79,)</p> <p>*Read lesson 7,8,9 (page number 64 to 89) and write down the verbs from the lesson.</p> <p>*Make 10 sentences having verb in it and underline it.</p>
EVS	<ul style="list-style-type: none">➤ Draw any 5 pictures of fruits and 5 pictures of vegetables.➤ Collect and paste the leaves of medicinal plants and write their names .➤ Paste the pictures of five players and write their names and related games . Write 5 sentences about any one player.➤ Make a mask of a fruit . <p>Note: <i>Do all the works on A4 sheets only .</i></p>
MATHS	<ol style="list-style-type: none">1)Write And learn table from 2 to 15.2)Do any 5 addition And subtraction with three digit numbers.3)Draw different shapes with their names4)Draw the picture of clock And mention the timing given below. A)10.15 am B)8.30 C)9 o'clock

Class: IV

SUBJECT	HOME WORK
HINDI	1) अपने दादी के बारे में पाँच वाक्य लिखो। 2) हररोज एक सुलेख लिखना है। 3) स्वतंत्रता की और पाठ पढ़ना और कठिन शब्द लिखना। 4) विभिन्न पत्तों की सहायता से किसी एक जानवर का चित्र बनाये।
ENGLISH	https://drive.google.com/file/d/1YFwQIW05o5pa2HIHogdNiPfBs_dwwUWh/view?usp=sharing 1) Read all the short stories given in the above link. Read one story everyday. 2) Translate the story in your mother tongue and share it with your parents. 3) Practice one page handwriting everyday in rough notebook.
EVS	A) I) Roll No 1 to 10 Draw a different types of bird feet with its need.(In Cardsheet) II) Roll No 11 to 20. Draw a different types of Bird beaks according to food .(In Cardsheet) III) Roll No 21 to 30 . Draw a different vegetables (In Cardsheet) IV) Roll No 31 to 40 . Write a different save water slogans .(in Cardsheet) V) Roll No .41 to 46. Draw a plant drawing and label it's parts.(in Cardsheet) B) Write about importance of water.(In A4 sheet) C) Collect a different types of clothes piece and attach It in A4 sheet . (Silk , cotton, wool etc.) D) make any one model related to EVS subject. E) Read all the chapters which are completed in October month.
MATHS	Que. 1) Write definitions of - A) Half B) Quarter C) Fraction Que. 2) Draw the objects given below the numbers and find halves and quarters of them. (Hint : by making groups / division) A) 24 pencils B) 36 balls C) 100 stars D) 44 chocolates Que. 3) Recite tables up to 20 daily in the morning time. (Note : Que 3 is not for writing.)

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Class: V

Subjects	Homework
English	<p>Que. 1 Write down one page hand writing per day in your notebook.</p> <p>Que. 2 Read units 5 and 6 of your English Test Book and write down new words.</p> <p>Que. 3 Write down ten lines about Dussehra Festival in your notebook.</p>
Hindi	<p>1)प्रतिदिन एक सुलेख करे। 2)एक दिन की बादशाहत पाठ पढ़े और नये शब्द लिखे। 3)अपना प्रिय भोजन इस विषय पर पांच वाक्य लिखे। 4)आप भविष्य में क्या बनना चाहते हैं इस विषय 10 वाक्य लिखना हैं।</p>
Mathematics	<p>1.Make 3- D shapes model with cardboard or thick paper .</p> <p>2. Draw some pictures on a 1cm grid and 2cm grid by using a graph paper.</p> <p>3. Learn tables upto 15.</p> <p>4. Draw the map of locality in which your house is located. Show your house, market places, parks etc on A4 sheet with mentioning of directions in the map.</p> <p>5. Practice 3 sums daily of carry over addition and borrowing of subtraction on ruled paper.</p>
E.V.S	<p>Que. 1) make a list of states of India that have oil field ?</p> <p>Que. 2) make a list of vehicle which you see around you that run on petrol diesel and without any fuel ?</p> <p>Que. 3) makeup poster related to save fuel.</p> <p>Que. 4) Find the petrol and diesel rates in your city.</p>

Class: VI

Hindi :

कक्षा छठी, शारदीय अवकाश कार्य

1.10 सुविचार एवं 10 नए शब्द आकर्षक ढंग से चित्र सहित ,अर्थ एवं वाक्य प्रयोग के साथ A4 साइज पेपर पर लिखकर लाइए।

2. लद्दाख की यात्रा के संबंध में अपने पिताजी से बात करते हुए संवाद लेखन लिखिए ।

3.प्रतिदिन अपनी पुस्तक पढ़िए एवं पांच पेज सुलेख लिखिए।

नोट: उपर्युक्त वर्णित कार्य A4 साइज पेपर पर परियोजना कार्य के रूप में ही करिए तथा फाइल में लगाकर शारदीय अवकाश के पश्चात अवश्य जमा करिए।

SCIENCE

Class: VI

INSTRUCTIONS:

1. Write in A4 sheet.
2. Page 1 must include the name of school, art integrated project – science, your name, class and roll number.
3. Page 2 must include the topic: components of food and sub – topic: balanced diet.
4. Page 3 – start with questions and answer

QUESTIONS:

1. Choose any two-dish prepared in Ladakh and also draw the picture of it.
2. Using the tabular column write the ingredients used in making dish and also mark the nutrients present in it.

SL.NO	INGREDIENTS USED	CARBOHYDRATE	PROTEIN	FATS	VITAMIN	MINERALS
1						
2						
3						
4						
5						
6						

Show the distribution of nutrients present in dish using pie chart.

शारदीय अवकाश गृहकार्य संस्कृत

Class: VI

Term- 2 के लिए संस्कृत की 100 पेज की नोटबुक बनाएं।

नोटबुक को अच्छे से कवर लगाएं तथा पहले पेज पर अपना पूरा परिचय संस्कृत में लिखें।

जैसे-

मम नाम-

मम मातुः नाम-

मम पितुः नाम-

मम कक्षा- षष्ठी, सप्तमी, अष्टमी

विभागः - अ/ब

विषयः - संस्कृतम्

पाठ्यपुस्तकम्- रुचिरा

मम संस्कृत-विषयाध्यापकः - सूरज उनियालः

मम विद्यालयस्य नाम - केन्द्रीयः विद्यालयः क्रमांक-3 बेलगावी

संस्कृत में प्रार्थना (Prayer) प्रतिज्ञा (Pledge) तथा आदेश (Command) याद करें।

कला एकीकृत परियोजना (Art integrated project)

कक्षा - षष्ठी

लद्दाख के खान- पान, वेशभूषा, रहन- सहन, भाषा/बोली, संगीत, कला इत्यादि की जानकारी इकट्ठा करें तथा संस्कृत में एक परियोजना (Project) तैयार करें।

Mathematics

Class: VI

1. PROJECT WORK

ART INTEGRATED PROJECT ON STATE LADAKH

TOPIC: **NUMBER OF POPULATION WITH DIFFERENT CATEGORIES.**

REPRESENT THIS DATA IN NUMERICAL CHART .

YOUR PROJECT SHOULD CONTAIN THE FOLLOWING POINTS

- FRONT PAGE
- CERTIFICATE
- INDEX
- INTRODUCTION
- COLLECTED DATA

2. PREPARE ANY ONE MATHEMATICAL MODEL

1.3 DIMENSIONAL SHAPES

2.ANY ONE MATHEMATICAL WORKING
MODEL

3.2 DIMENSIONAL FIGURES

4. GEOMETRICAL BOX
NOTE:PROJECT WORK SHOULD BE DONE IN A4 SIZE PAPERS.

Social Science

Class: VI

- Draw a sketch of any musician from Ladakh and write a brief note on his life.

OR

- Draw a sketch on any monuments from Ladakh and write a brief note on it.

Work Experience

Class: VI

- Study about Electrical Appliances and Electrical Tools.
- Collect Pictures of Electrical Appliances and Electrical Tools.

Computer

Class: VI

Prepare poster or write essay on cyber security.

Kannada

Class: VI

- ಯಾವುದಾದರೂ 20 ಸರಳ ಪದಗಳನ್ನು ಚಿತ್ರಸಹಿತ ಬರೆಯಿರಿ.

Class: VII

English

Prepare a Scrapbook on Rearing of Animals. (Any5) Also write 5 important points about each animal.

Class: VII

Hindi

महाभारत को पढ़ना और लिखना ।

Class: VII

शारदीय अवकाश गृहकार्य संस्कृत

Term- 2 के लिए संस्कृत की 100 पेज की नोटबुक बनाएं।

नोटबुक को अच्छे से कवर लगाएं तथा पहले पेज पर अपना पूरा परिचय संस्कृत में लिखें।

जैसे-

मम नाम-

मम मातुः नाम-

मम पितुः नाम-

मम कक्षा- षष्ठी, सप्तमी, अष्टमी

विभाग:- अ/ब

विषय:- संस्कृतम्

पाठ्यपुस्तकम्- रुचिरा

मम संस्कृत-विषयाध्यापक:- सूरज उनियाल:

मम विद्यालयस्य नाम - केन्द्रीय: विद्यालय: क्रमांक-3 बेलगावी

संस्कृत में प्रार्थना (Prayer) प्रतिज्ञा (Pledge) तथा आदेश (Command) याद करें।

कला एकीकृत परियोजना (Art integrated project)

कक्षा - सप्तमी

लद्दाख के पर्यटक स्थलों और स्मारकों के बारे में जानकारी इकट्ठा करें तथा जैसे बताया गया है, संस्कृत में एक परियोजना (Project) तैयार बनाएं।

Class: VII

Mathematics

1. PROJECT WORK

ART INTEGRATED PROJECT ON STATE LADAKH

TOPIC: LANGUAGES SPOKEN IN LADAKH.REPRESENT THIS DATA ON BAR GRAPH.

YOUR PROJECT SHOULD CONTAIN THE FOLLOWING POINTS

- a. FRONT PAGE
 - b. ACKNOWLEDMENT
 - c. CERTIFICATE
 - d. INDEX
 - e. INTRODUCTION
 - f. COLLECTED DATA
 - g. BAR GRAPH
-
2. PREPARE ANY ONE MATHEMATICAL MODEL
 1. 3 DIMENSIONAL SHAPES
 2. ANY ONE MATHEMATICAL WORKING MODEL
 3. 2 DIMENSIONAL FIGURES
 4. GEOMETRICAL BOX

NOTE:PROJECT WORK SHOULD BE DONE IN A4 SIZE PAPERS.

Class: VII

Social Science

- DRAW A SKETCH ON ANY MONUMENTS FROM LADAKH AND WRITE A BRIEF NOTE ON IT.
- OR
- DRAW A SKETCH OF ANY MAGICIAN FROM LADAKH AND WRITE A BRIEF NOTE ON HIS LIFE.

Class: VII

Science

1. WHAT IS ANIMAL ADAPTATION?
2. WHAT ARE THE DIFFERENT TYPES OF ADAPTATION?
3. LIST OUT ANY 5 FAUNA (ANIMALS) FOUND IN LADAKH.
4. DRAW THE ABOVE FAUNA (ANIMAL) (any 3)
5. WHAT ARE THE DIFFERENT TYPES OF ADAPTATION?
6. WHAT ARE 5 EXAMPLES OF ANIMAL ADAPTATION?
7. HOW DO ANIMALS SURVIVE IN THE HARSH WINTER OF LADAKH?
8. WHICH SPECIAL ANIMAL IS FOUND IN LADAKH?

YOUR PROJECT SHOULD CONTAIN THE FOLLOWING POINT :

FRONT PAGE
CERTIFICATE
INDEX

INTRODUCTION

CONCLUSION

BIBLIOGRAPHY

NOTE: PROJECT WORK SHOULD BE DONE IN A4 SIZE PAPER.

Work Experience

Class: VII

- Design Simple Electric Circuit using Battery , LED , Switch and connecting wires.

Computer

Class: VII

Prepare PowerPoint presentation or write slogans on cyber security.

Kannada

Class: VII

- ಯಾವುದಾದರೂ ೧೦ ಗುಣಿತಾಕ್ಷರ ಮತ್ತು ಒತ್ತಕ್ಷರ ಪದಗಳನ್ನು ಚಿತ್ರಸಹಿತ ಹೆಸರಿಸಿ ಸ್ಪಷ್ಟಪಡಿಸಿ

Class: VIII

English

1. Completion of C, H.W & LD

2. ART INTEGRATED PROJECT ON STATE LADAKH

TOPIC: List out any 5 Tourist Places found in ladakh. Or any other topic on ladakh that was discussed during the class.

Class: VIII

Hindi

1. लद्दाख की संस्कृति से संबंधित विषय पर स्वरचित कहानी चित्र सहित लिखिए।

2. लद्दाख के भौगोलिक क्षेत्र से संबंधित चित्रों का कोलाज बनाकर इस विषय पर एक संक्षिप्त अनुच्छेद लिखिए।

नोट : उपर्युक्त वर्णित कार्य A4 साइज पेपर पर परियोजना कार्य के रूप में ही करिए तथा फाइल में लगाकर शारदीय अवकाश से पश्चात अवश्य जमा करिए।

Class: VIII

शारदीय अवकाश गृहकार्य संस्कृत

Term- 2 के लिए संस्कृत की 100 पेज की नोटबुक बनाएं।

नोटबुक को अच्छे से कवर लगाएं तथा पहले पेज पर अपना पूरा परिचय संस्कृत में लिखें।

जैसे-

मम नाम-

मम मातुः नाम-

मम पितुः नाम-

मम कक्षा- षष्ठी, सप्तमी, अष्टमी

विभागः - अ/ब

विषयः - संस्कृतम्

पाठ्यपुस्तकम्- रुचिरा

मम संस्कृत-विषयाध्यापकः - सूरज उनियालः

मम विद्यालयस्य नाम - केन्द्रीयः विद्यालयः क्रमांक-3 बेलगावी

संस्कृत में प्रार्थना (Prayer) प्रतिज्ञा (Pledge) तथा आदेश (Command) याद करें।

कला एकीकृत परियोजना (Art integrated project)

कक्षा – अष्टमी

लद्दाख के प्रसिद्ध व्यक्ति, स्वतंत्रता सेनानी, कवि, लेखक इत्यादि की जानकारी इकट्ठा करें तथा संस्कृत में परियोजना (Project) तैयार करें।

Class: VIII

Science

ART INTEGRATED PROJECT ON STATE LADAKH

TOPIC:

1. List out any 5 Crops found in ladakh.
2. Draw and neatly label the above crops.
3. What are the methods of crop production in ladakh?
4. In which months crops can be grown in ladakh why?
5. Which grains is famous in ladakh?

YOUR PROJECT SHOULD CONTAIN THE FOLLOWING POINT :

1. FRONT PAGE
2. CERTIFICATE
3. INDEX
4. INTRODUCTION
5. CONCLUSION
6. BIBLIOGRAPHY

NOTE: PROJECT WORK SHOULD BE DONE IN A4 SIZE PAPER.

Class: VIII

Maths

1.PROJECT WORK on ART INTEGRATED PROJECT ON STATE LADAKH

TOPIC:" CROP PRODUCTION IN LADAKH".

REPRESENT THIS DATA ON PIE CHART

YOUR PROJECT SHOULD CONTAIN THE FOLLOWING POINTS

- a. FRONT PAGE
- b. CERTIFICATE
- c. INDEX
- d. INTRODUCTION
- e. COLLECTED DATA
- f. PIE CHART

2. PREPARE ANY ONE MATHEMATICAL MODEL

1.3 DIMENSIONAL SHAPES

2.ANY ONE MATHEMATICAL WORKING MODEL

3.2 DIMENSIONAL FIGURES

4.GEOMETRICAL BOX

NOTE:PROJECT WORK SHOULD BE DONE IN A4 SIZE PAPERS.

Class: VIII
Social Science

- PREPARE A PPT ON CULTURE OF LADAKH
OR
- PREPARE A PPT ON GEOGRAPHICAL FEATURES ON LADAKH

Work Experience

Class: VIII

- Design Electric Circuit having one Switch , One Bulb Holder.

Computer

Class: VIII

- Write about three domains of Artificial Intelligence.
- Prepare a project on Cyber Security.

Kannada

Class: VIII

***ನೀಡಲಾದ ಪದಗಳಿಗೆ ಸಂಬಂಧಿಸಿದಂತೆ ಚಿತ್ರ ಬಿಡಿಸಿ ಆ ಚಿತ್ರದಲ್ಲಿನ ಸನ್ನಿವೇಶಗಳನ್ನು ಹೆಸರಿಸಿ**

•ನಿಸರ್ಗ

•ಶಾಲೆ

•ಉದ್ಯಾನವನ

•ಕುಟುಂಬ

•ಜಾತ್ರೆ

CLASS IX ENGLISH

Prepare a Travel Brochure on any one Indian state.

CLASS IX HINDI

शारदीय अवकाश कार्य, कक्षा : नवीं

- विविधता में एकता विषय(विशेष रूप से लद्दाख की संस्कृति, वेशभूषा ,पहनावा ,खान-पान रीति रिवाज आदि की तुलना भारत के अन्य राज्यों से करते हुए) पर कहानी चित्र सहित आकर्षक ढंग से लिखिए।
- लद्दाख पर्यटन पर आधारित सूचना लेखन स्वयं के शब्दों में लिखिए।

नोट: उपर्युक्त वर्णित कार्य A4 साइज पेपर पर परियोजना कार्य के रूप में ही करिए तथा फाइल में लगाकर शारदीय अवकाश के पश्चात अवश्य जमा करिए।

CLASS IX SANSKRIT

शारदीय अवकाश गृहकार्य संस्कृत

अपनी दोनों नोटबुक का कार्य पूरा करें।
संधि समास एवं प्रत्यय के उदाहरण अपनी किताब से ढूंढकर अपनी व्याकरण की नोटबुक में लिखें।

कला एकीकृत परियोजना (Art integrated project)

संबंधित राज्य – लद्दाख

कक्षा - नवमी

लद्दाख के इतिहास और संस्कृति की जानकारी इकट्ठा करें तथा संस्कृत में परियोजना (Project) तैयार करें।

प्रोजेक्ट को इस प्रकार से बनाएं -

आवरण पृष्ठ (Cover page)

अनुक्रमणिका (Index)

मुख्य पृष्ठ (Main pages)

धन्यवाद पृष्ठ (Thank you page)

केन्द्रीय: विद्यालय: क्रमांक: 3, मच्छे, बेलगावी

कला एकीकृत परियोजना

संबंधित राज्य – लद्दाख

विषय: -

परियोजनाया: विषय:-

विद्यार्थी नाम –।

विषयाध्यापक: सूरज उनियाल:

कक्षा एवं विभाग –

अनुक्रमांक -

SCIENCE

Class: IX

CHEMISTRY

Atoms and Molecules

Short Answer Questions

- 11.** Which of the following represents a correct chemical formula? Name it.
(a) CaCl (b) BiPO_4 (c) NaSO_4 (d) NaS
- 12.** Write the molecular formulae for the following compounds
(a) Copper (II) bromide
(b) Aluminium (III) nitrate
(c) Calcium (II) phosphate
(d) Iron (III) sulphide
(e) Mercury (II) chloride
(f) Magnesium (II) acetate
- 13.** Write the molecular formulae of all the compounds that can be formed by the combination of following ions
 Cu^{2+} , Na^+ , Fe^{3+} , Cl^- , SO_4^{2-} , PO_4^{3-}
- 14.** Write the cations and anions present (if any) in the following compounds
(a) CH_3COONa
(b) NaCl
(c) H_2
(d) NH_4NO_3

- 15.** Give the formulae of the compounds formed from the following sets of elements
- Calcium and fluorine
 - Hydrogen and sulphur
 - Nitrogen and hydrogen
 - Carbon and chlorine
 - Sodium and oxygen
 - Carbon and oxygen
- 16.** Which of the following symbols of elements are incorrect? Give their correct symbols
- Cobalt CO
 - Carbon c
 - Aluminium AL
 - Helium He
 - Sodium So
- 17.** Give the chemical formulae for the following compounds and compute the ratio by mass of the combining elements in each one of them. (You may use appendix-III).
- Ammonia
 - Carbon monoxide
 - Hydrogen chloride
 - Aluminium fluoride
 - Magnesium sulphide
- 18.** State the number of atoms present in each of the following chemical species
- CO_3^{2-}
 - PO_4^{3-}
 - P_2O_5
 - CO
- 19.** What is the fraction of the mass of water due to neutrons?
- 20.** Does the solubility of a substance change with temperature? Explain with the help of an example.
- 21.** Classify each of the following on the basis of their atomicity.
- | | | | | | |
|-------------------------------|-------------------|--------------------------|----------------------------|------------------|----------------------------|
| (a) F_2 | (b) NO_2 | (c) N_2O | (d) C_2H_6 | (e) P_4 | (f) H_2O_2 |
| (g) P_4O_{10} | (h) O_3 | (i) HCl | (j) CH_4 | (k) He | (l) Ag |
- 22.** You are provided with a fine white coloured powder which is either sugar or salt. How would you identify it without tasting?
- 23.** Calculate the number of moles of magnesium present in a magnesium ribbon weighing 12 g. Molar atomic mass of magnesium is 24g mol^{-1} .

Force and laws of motion

9. There are three solids made up of aluminium, steel and wood, of the same shape and same volume. Which of them would have highest inertia?
10. Two balls of the same size but of different materials, rubber and iron are kept on the smooth floor of a moving train. The brakes are applied suddenly to stop the train. Will the balls start rolling? If so, in which direction? Will they move with the same speed? Give reasons for your answer.
11. Two identical bullets are fired one by a light rifle and another by a heavy rifle with the same force. Which rifle will hurt the shoulder more and why?
12. A horse continues to apply a force in order to move a cart with a constant speed. Explain why?
13. Suppose a ball of mass m is thrown vertically upward with an initial speed v , its speed decreases continuously till it becomes zero. Thereafter, the ball begins to fall downward and attains the speed v again before striking the ground. It implies that the magnitude of initial and final momentums of the ball are same. Yet, it is not an example of conservation of momentum. Explain why?

Class IX: BIOLOGY

1. Completion of CW & HW
2. Collection of pictures (making album) of flora and fauna of Ladakh

Mathematics

Class: IX

1. LAB ACTIVITIES 1,3,11,20 FROM NCERT LAB MANUAL
2. PROJECT WORK

ART INTEGRATED PROJECT ON STATE LADAKH

TOPIC:

1. LANGUAGES SPOKEN IN LADAKH (BAR GRAPH)
2. LADAKH LITERACY RATE GRAPH IN PERCENTAGE (BAR GRAPH)
3. RELIGION POPULATION OF LADAKH (PIE CHART)

4.DIFFERENT TRIBES FOUND IN LADAKH WITH POPULATION (PIE CHART)

YOUR PROJECT SHOULD CONTAIN THE FOLLOWING POINTS

- a. FRONT PAGE
- b. ACKNOWLEDMENT
- c. CERTIFICATE
- d. INDEX
- e. INTRODUCTION

NOTE:LAB ACTIVITY AND PROJECT WORK SHOULD BE DONE IN A4 SIZE PAPERS.

CLASS IX

SST

Art Integrated project on Ladakh. on Topic. Festivals and celebration of community.

INTERDISCIPLINARY PROJECT ON Natural vegetation. and wild life.

Completion of class work and homework notebooks

CLASS IX

ARTIFICIAL INTELLIGENCE

(1) Create a portfolio (personal details, likes, dislikes, strength, weakness, abilities, etc)

(2) Prepare a list of future jobs and AI skills that would be required for the future jobs.

Note : Write the home work in separate HOME WORK BOOK

CLASS X

HINDI

शारदीय अवकाश कार्य ,
कक्षा : दसवीं

- 1.लद्दाख पर्यटन के लिए लोगों को आकर्षित करते हुए स्वयं के शब्दों में आकर्षक ढंग से विज्ञापन लिखिए।
 - 2.लद्दाख भ्रमण के लिए गाइड की नौकरी के लिए आवेदन देते हुए स्ववृत्त लिखिए या लद्दाख के किसी प्रसिद्ध विद्यालय में शिक्षक की नौकरी के लिए आवेदन देते हुए स्ववृत्त बनाइए।
- नोट: उपर्युक्त वर्णित कार्य ए 4 साइज पेपर पर परियोजना कार्य के रूप में ही करिए तथा फाइल में लगाकर शारदीय अवकाश के पश्चात अवश्य जमा करिए।

शारदीय अवकाश गृहकार्य संस्कृत

अपनी दोनों नोटबुक का कार्य पूरा करें।

संधि एवं प्रत्यय के उदाहरण अपनी किताब से ढूंढकर अपनी व्याकरण की नोटबुक में लिखें।

कला एकीकृत परियोजना (Art integrated project)

संबंधित राज्य – लद्दाख

कक्षा - दशमी

लद्दाख के भूगोल, जीव जंतु एवं वनस्पतियों की जानकारी इकट्ठा करें तथा संस्कृत में परियोजना (Project) तैयार करें।

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कला एकीकृत परियोजना

संबंधित राज्य – लद्दाख

विषय: - संस्कृतम्

परियोजनाया: विषय:-

विद्यार्थी नाम –।

विषयाध्यापक: सूरज उनियाल:

कक्षा एवं विभाग –

अनुक्रमांक -

SCIENCE

Class: X

CHEMISTRY

1. A white powder is added while baking breads and cakes to make them soft and fluffy. Write the name of the powder. Name its main ingredients. Explain the function of each ingredient. Write the chemical reaction taking place when the powder is heated during baking.
2. Identify the acid and the base whose combination forms the common salt that you use in your food. Write its formula and chemical name of this salt. Name the source from where it is obtained.
3. Dry pellets of a base 'X' when kept in open absorb moisture and turn sticky. The compound is also formed by the chlor-alkali process. Write chemical name and formula of X. Describe the chlor-alkali process with a balanced chemical equation. Name the type of reaction that occurs when X is treated with dilute hydrochloric acid. Write the chemical equation.
4. Identify the compound of calcium which is a yellowish white powder and is used for disinfecting drinking water. Write its chemical name and formula. How is it manufactured? Write the chemical equation for the reaction involved. Also list two other uses of the compound.
5. Crystals of a substance changed their colour on heating in a closed test tube but regained it after some time when they were allowed to cool down. Name the substance and write its formula and explain the phenomenon involved.

PHYSICS

- 1.

Many optical instruments consist of a number of lenses. They are combined to increase the magnification and sharpness of the image. The net power (P) of the lenses placed in contact is given by the algebraic sum of the powers of the individual lenses $P_1, P_2, P_3 \dots$ as

$$P = P_1 + P_2 + P_3 \dots$$

This is also termed as the simple additive property of the power of lens, widely used to design lens systems of cameras, microscopes and telescopes. These lens systems can have a combination of convex lenses and also concave lenses.

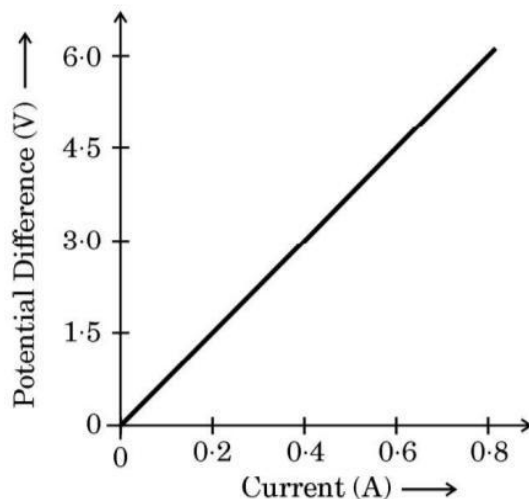
- (a) What is the nature (convergent / divergent) of the combination of a convex lens of power + 4 D and a concave lens of power – 2 D ? 1
- (b) Calculate the focal length of a lens of power – 2.5 D. 1
- (c) Draw a ray diagram to show the nature and position of an image formed by a convex lens of power + 0.1 D, when an object is placed at a distance of 20 cm from its optical centre. 2

OR

- (c) How is a virtual image formed by a convex lens different from that formed by a concave lens ? Under what conditions do a convex and a concave lens form virtual images ? 2

2. —

- (a) State Ohm's Law.
- (b) Name and define the physical quantity determined by the slope of V – I curve given in the diagram. Use this graph to find the value of this physical quantity in SI units.



- (c) Establish the relationship between 1 kWh and 1 joule. 5

3. —

- (a) (i) An object of 5 cm height is placed at a distance of 20 cm from the optical centre of a concave lens of focal length 18 cm. Calculate (1) image distance and (2) the magnification in this case.
- (ii) Compare the values of magnification obtained by a concave lens and a convex lens when both the lenses form virtual images.

3

OR

- (b) A convex lens can form a (i) real, inverted and magnified image as well as (ii) virtual, erect and magnified image of an object. If the focal length of the lens is 10 cm, what should be the range of the object distance in both cases ? Draw ray diagrams to justify your answer.
- (a) State one important function of the following parts of the human eye :
- (i) Retina
- (ii) Pupil
- (b) State the role of ciliary muscles in focussing objects at varying distances from the eye.

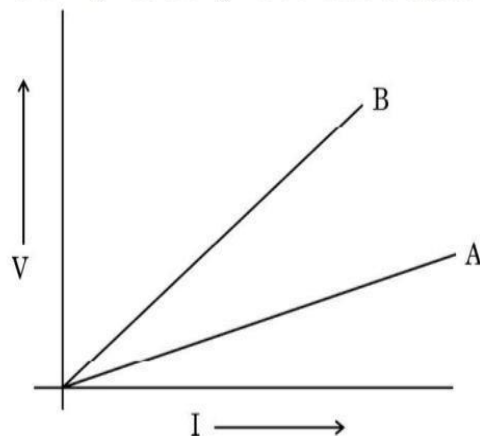
3

3

4.

25. V – I graph for two conducting wires A and B are as shown. If both wires are of the same length and same diameter, which of the two is made of a material of high resistivity ? Give reasons to justify your answer.

2



5.

-

(a) An object is placed in front of a convex lens of focal length f . If the distance of the object from the lens is $2f$, draw a ray diagram to show the formation of the image. Write the value of magnification in this case.

(b) A student has focussed the image of a candle flame on a white screen using a convex lens. The situation is as given below :

Length of the flame = 2 cm

Focal length of the lens = 12 cm

Distance of the flame from the lens = 16 cm

If the flame is perpendicular to the principal axis of the lens, calculate the values of the following :

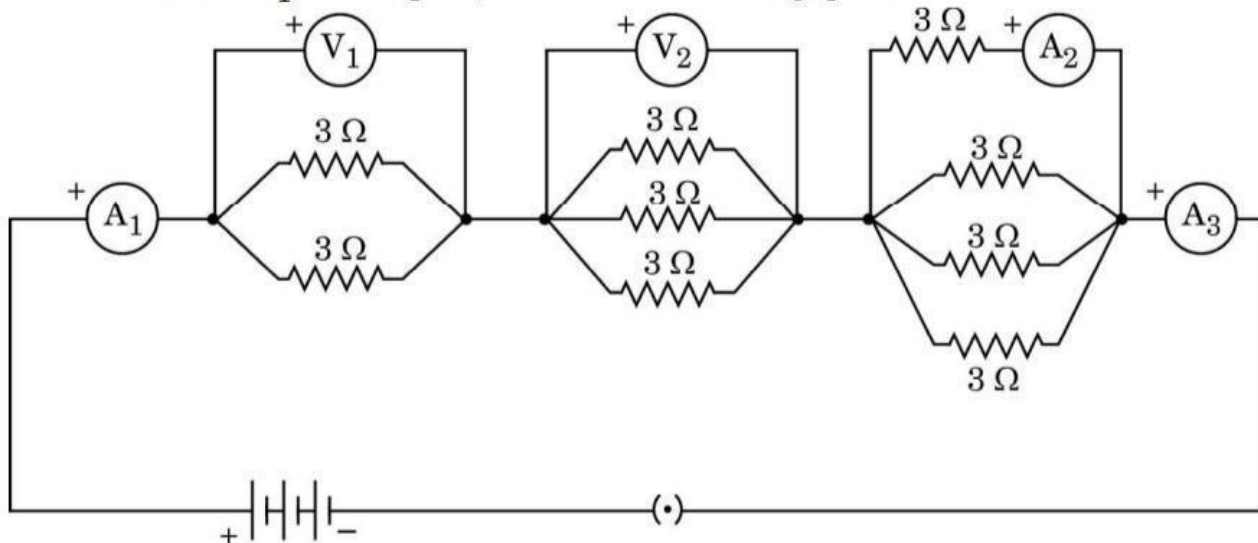
(i) Distance of the image from the lens

(ii) Length of the image formed

5

6.

39. Consider the following electrical circuit diagram in which nine identical resistors of $3\ \Omega$ each are connected as shown. If the reading of the ammeter A_1 is 1 ampere, answer the following questions :



- What is the relationship between the readings of A_1 and A_3 ? Give reasons for your answer. 1
- What is the relationship between the readings of A_2 and A_3 ? 1
- Determine the reading of the voltmeter V_1 . 2

OR

- Find the total resistance of the circuit. 2

BIOLOGY

- Completion of CW & HW
- Illustrate with comparison the adaptations required to survive in mountainous regions to living in plains. (Plants or Animals can be used as subjects of comparison).

CLASS X

MATHS

- LAB ACTIVITIES 2,3,7,10 FROM NCERT LAB MANUAL
- PROJECT WORK

ART INTEGRATED PROJECT ON STATE LADAKH

TOPIC:

- LANGUAGES SPOKEN IN LADAKH(BAR GRAPH)

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SOCIAL SCIENCE

CLASS X

- 1) Art Integrated project on Ladakh. on Topic: Great Musicians, musical Instruments with write up.
- 2) Inter Disciplinary project on - Lifelines of National Economy'
- 3)Completion of cw and HW Notebooks.

CLASS X

ARTIFICIAL INTELLIGENCE AUTUMN BREAK HOMEWORK

(1) Write how has entrepreneurship

- contribute to society
- Contribute to Economy,

(2) How does entrepreneurship influence the individuals associated with it?

(3) What are different qualities of successful entrepreneurs?

(4) What are various possible ways to finance startups in India?

(5) What questions should you ask yourself before you decide on entrepreneurship as your career?

(6) What are Myths about Entrepreneurship?

(7) What is sustainable development? What is the need for it?

(8) What are 4-dimensions SD? On which of the principles the concept of SD is based?

(9) List out Sustainable Development Goals (SDGs). Measures taken for implementing SDGs in India.

(The 5 P's and what is Our sole in Sustainable Development.

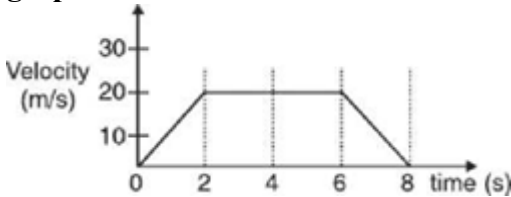
(10) What are the challenges in the attainment of SDGs? What are the measures to overcome these Challenges?

English

Class XI

Prepare a project on Ladakh's Folk literature.

CLASS XI PHYSICS

1	<p>Velocity of a body at time t is given by $v = (3t - 2)$ m/s Calculate its</p> <ul style="list-style-type: none">i) Acceleration at $t = 2$s,ii) Average acceleration between $t = 0$s to $t = 2$s,iii) Displacement of the body up to 2s.
2	<p>The displacement x of a particle varies with time as $x = 4t^2 - 15t + 25$. Find the position, velocity and acceleration of the particle at $t = 0$.</p>
3	<p>The V-t graphs of two objects make angle 30° and 60° with the time axis. Find the ratio of their accelerations.</p>
4	<p>The velocity time graph for a particle is shown in figure. Draw acceleration time graph from it.</p> 
5	<p>A body is thrown with a velocity of 20m/s at an angle 30° with horizontal. How high will it go? Where and when will it touch the ground?</p>
6	<p>Find the equation of motion of a projectile. Hence show that path of a projectile is parabolic.</p>

7	The equation of motion of a body moving in a straight line is given by $S = 2t + 5t^2$ where S is displacement at time t. What is the velocity and acceleration of a body at time $t = 5s$. Is it a uniform velocity motion or uniform acceleration motion?
8	The equation of motion of a body moving in a straight line is given by $x = 2t + 5t^2$ where S is displacement at time t. What is the velocity and acceleration of a body at time $t = 5s$. Is it a uniform velocity motion or uniform acceleration motion?
9	What is the angle of projection at which horizontal range and maximum height are equal?
10	A car moves in such a way that its position changes with time as per the relation $X = 3t^2 - 4t + 1$, where x is in meter and t is in second. Find average velocity of the car between $t = 1s$ to $t = 3s$. Also find its velocity at time $t = 2s$. Hints: $v = dx/dt = 8m/s$
11	(a) Define time of flight and horizontal range? (b) From a certain height above the ground a stone A is dropped gently. Simultaneously another stone B is fired horizontally. Which of the two stones will arrive on the ground earlier?
12	State triangle law of vector addition and using it obtain an expression for the resultant of two vectors acting in same order. Three vectors are having same magnitude and one of them is resultant of the other two. Using the triangle law find the angle between the two vectors other than resultant.
13	State Newton's real law of motion. How does it explain law of inertia? Derive law of conservation of momentum from this law. A body of mass 4kg accelerates uniformly from 20m/s to 30m/s in 4 sec. How much force acts on it?
14	What is meant by coefficient of friction and angel of friction? Establish the relation between the two?
15	State and prove the principle of law of conservation of linear momentum?
16	What is meant by a banked road? Draw the free body diagram of a car taking a turn on a banked road and obtain an expression for its maximum safe speed?

	On a smooth banked curved track of radius of curvature 10m, a car of mass 500kg can safely turn with a maximum speed of 24m/s. What should be the angle of banking of the track?($\mu=0.2$)
17	<p>Define impulse of a force. Write the three applications with explanations.</p> <p>State the law of conservation of linear momentum .Write one application of it.</p>
18	A cricket ball of mass 150g is moving with a velocity of 12m/s and is hit by a bat so that the ball is turned back with a velocity of 20m/s. The force of the blow acts on the ball for 0.01 s. Find the average force exerted on the ball by the bat.
19	What is impulse? Give its SI unit. Show that impulse is equal to change in momentum. Two billiard balls each of mass 0.05kg moving in opposite directions with speed 6m/s collide and rebound with the same speed. What is the impulse imparted to each ball due to other.
20	<p>Explain why</p> <p>(a) a horse cannot pull a cart and run in empty space,</p> <p>(b) passengers are thrown forward from their seats when a speeding bus stops suddenly,</p> <p>(c) it is easier to pull a lawn mower than to push it,</p> <p>(d) a cricketer moves his hands backwards while holding a catch.</p>

CLASS XI : BIOLOGY

1. Completion of CW & HW.
2. Completion of Practical Record.
3. Completion of Project.

CLASS XI MATHEMATICS

1. Solve half yearly paper
2. Solve 10 questions of trigonometry
3. Maintain activity notebook
4. Art integrated topic
Straight line (project)

CLASS XI COMPUTER SCIENCE

Q.1 Write the differences between the following

- a) Copyrights and Patents
- b) Plagiarism and Copyright infringement
- c) Non-ethical hacking and Ethical hacking

- d) Active and Passive footprints
- e) Free software and Free and open source software.

Q.2 List down the steps you need to take in order to ensure

- a) your computer is in good working condition for a longer time.
- b) smart and safe Internet surfing.

Q.3 What is data privacy? Websites that you visit collect what type of information about you?

Q.4 What do you mean by Digital Footprint? Explain in detail.

Q.5 Write short notes on

- a) Net Etiquettes
- b) Communication Etiquettes
- c) Social Media Etiquettes
- d) INDIAN INFORMATION TECHNOLOGY ACT (IT ACT)

Download, book from NCERT website to answer the above questions.

INVESTIGATORY PROJECT – PHYSICS

CLASS: XII

INSTRUCTIONS:

- Use A4 size paper

Choose any one of the given investigatory projects from the given projects:

Suggested Investigatory Projects

1. To study various factors on which the internal resistance/EMF of a cell depends.
2. To study the variations in current flowing in a circuit containing an LDR because of a variation in
 - (a) the power of the incandescent lamp, used to 'illuminate' the LDR (keeping all the lamps at a fixed distance).
 - (b) the distance of a incandescent lamp (of fixed power) used to 'illuminate' the LDR.
3. To find the refractive indices of (a) water (b) oil (transparent) using a plane mirror, an equiconvex lens (made from a glass of known refractive index) and an adjustable object needle.
4. To investigate the relation between the ratio of (i) output and input voltage and (ii) number of turns in the secondary coil and primary coil of a self-designed transformer.
5. To investigate the dependence of the angle of deviation on the angle of incidence using a hollow prism filled one by one, with different transparent fluids.
6. To estimate the charge induced on each one of the two identical Styrofoam (or pith) balls suspended in a vertical plane by making use of Coulomb's law.
7. To study the factor on which the self-inductance of a coil depends by observing the effect of this coil, when put in series with a resistor/(bulb) in a circuit fed up by an A.C. source of adjustable frequency.
8. To study the earth's magnetic field using a compass needle -bar magnet by plotting magnetic field lines and tangent galvanometer.

INVESTIGATORY PROJECT – CHEMISTRY

CLASS: XII

INSTRUCTIONS:

- Use A4 size paper

Choose any one of the given investigatory projects from the given projects:

1. Common food adulterants in fat, butter oil, turmeric powder, pepper, chilli powder.
2. Determination of contents in cold drinks.
3. Study of diffusion of solids in liquids.
4. Compare the rate of evaporation of different liquids.
5. Check the ions present in a toothpaste.
6. Analysis of honey.
7. Red cabbage pH paper.
8. Chocolate analysis.
9. Analysis of acidity in tea sample.
10. Analysis of fruit and vegetable.
11. Study of effect of pH on different soil.

CLASS XII: BIOLOGY

1. Completion of CW & HW.
2. Completion of Practical Record.
3. Completion of Project.

CLASS XII Maths Homework

1. Solve half yearly question paper
2. Solve 3 questions of differential eqn.
By each methods variable are seperable,homo ,Linear differential eqn.
3. Project art integrated
Straight line in 3 dimensional geo

CLASS XII COMPUTER SCIENCE

Q. 1 List and briefly explain

- i.different modes of malware distribution.
- ii.some common signs of malware infection.
- iii.preventive measures against malware infection.

Q.2 Write a short note on different methods of malware identification used by antivirus software.

Q. 3 Write a short note on White, Black, and Grey Hat Hackers.

Q.4 Differentiate between

- i.DoS and DDoS attack.
- ii.Snooping and Eavesdropping
- iii.worm and a virus

Q. 5 Write notes on

- i.Components of Data Communication
- ii.Measuring Capacity of Communication Media
- iii.Types of Data Communication
- iv.Switching Techniques
- v.Transmission Media
- vi.Mobile Telecommunication Technologies
- vii.Protocol