

KENDRIYA VIDYALAYA INS KALINGA BHEEMUNIPATNAM
SUMMER VACCATION HOMEWORK 2023-24

Class 2

ENGLISH :

- 1.write about your school in 4-5 sentences.
- 2.write about giraffe in 4-5 sentence .
- 3.draw the picture of giraffe donkey and haldi .and colour .

MATHS :

- 1.write and learn tables from 1-8.
- 2.Draw the following shapes and colour Square rectangle triangle circle
- 3.write the number names from 1-50.

EVS:

- 1 Draw or paste five sense organs and write their senses.
- 2 Write your family members

HINDI:

- 1 एक बार वर्णमाला लिखो।
- 2 सात जंगली जानवरों के चित्र बनाकर या चिपकाकर उनके नाम लिखो।

CLASS 3

ENGLISH:

1. Write 5 to 8 sentences about your own Garden.
2. Write any 10 opposite word.
3. Write neatly the poem bird talk

MATHS:

- 1.write and learn the tables from 1-12.
- 2.arrange the following in ascending order
 1. 10,15,18,19 _____
 2. 15,22,56,28
 - 3.12,8,56,88
 - 4.14,78,89,58

3.write below in expandable form

1. 210

2.132

3. 129

4.126

4.draw a car tree with views

5. draw some symmetrical objects.

EVS:

1. Observe any three animals in your surroundings and draw them . Also

write any one thing that you observe about them .

2. Draw pictures of five water resources and write their names.

3. Write the uses of water in which we need more water.

HINDI:

ग्रीष्मकालीन अवकाश गृहकार्य

1 वर्णमाला लिखो |

2 बारहखड़ी लिखो | (10 वर्ण)

३ आ, इ, ई, उ की मात्रा के पांच-पांच शब्द लिखो |

4 एक से बीस तक गिनती लिखो।

Class 4

ENGLISH:

1. Write any 10 words related to the word "School".

2. Write any 10 Prepositions and make sentences using those words.

3. Write neatly the poem "Wake up".

4. write Capital and small alphabets and in cursive also.

EVS :

1. Draw the ears of dog,hippo,cow,cat,elephant and rabbit.

2.Write any 10 animals to each whose animal's ears which we can see and whose ears which we cannot see.

HINDI :

ग्रीष्मकालीन अवकाश गृहकार्य

1 वर्णमाला लिखो |

2 दस संज्ञा शब्द चुनकर लिखो |

3 बारहखड़ी लिखो | (10 वर्ण)

4 एक से बीस तक गिनती लिखो।

MATHS :

I. Write and learn the tables from 1 to 16

II. Draw the any three 2-D and 3-D shapes.

III. Write the distance units.

IV. Convert from the Metre to centimeters given below. 12M 8M 14M 16M

V. Convert from the Centimeters to meters given below 600cm

900cm 400cm 1000cm

Class 5

ENGLISH :

1. Identify any 5 naming words and 5 action words from the lesson "Wonderful Waste!" and make meaningful sentences with those words.

2. Identify 5 describing words from the poem "Ice-Cream Man" and make meaningful sentences with those words.

3. Write about your favorite ice cream in about 5-7 lines. 4. write capital and small alphabets and in cursive also

EVS :

1. Make a list of 10 animals of what senses that use to find their food.

2. Name any 10 animals kept by the people for their livelihood. 3. We should not hurt the animals. Write 5 sentences on how we can protect the animals.

HINDI :

ग्रीष्मकालीन अवकाश गृहकार्य

1 बारहखड़ी लिखो | (10 वर्ण)

2 दस संज्ञा शब्द चुनकर लिखो |

3 एक से बीस तक गिनती लिखो।

4 दो पेज सुलेख लिखो।

MATHS :

1. write tables from 11-20 and learn.

2. cut and paste different regular and irregular shape and write below each shape.

3. write the number names of the following numerals .

1. 345678

2. 789065

3. 678567

4. write the expanded form of the following numbers :

1. 45637

2. 89765

3. 56745

4. 7896754

5. 5678544

CLASS 6

MATHS

1) Practice exercise questions of 1 st and 2 nd chapters in H.W. notebook (EXCLUDE DELETED TOPICS).

2) ACTIVITY (do in activity notebook)

i) To verify distributive property of whole numbers

ii) To add integers

iii) To verify that a minimum of three sides are required to construct a polygon

iv) To represent a decimal number using a grid paper

ENGLISH

A. Activity book:

1. Write 5-6 sentences on the topic My Family along with pictures.

2. Bio- sketch of Patrick

3. Draft a short paragraph on the topic My views about Homework.

B. Homework notebook:

Solve the worksheets based on

1. Unseen passages

2. Integrated grammar

C. Reading skills: Read story books to improve reading skills.

HINDI

१. एक से 50 तक गिनती लिखें हिन्दी में।
२. दो छात्रों के मध्य संवाद अंबार चित्र द्वारा।
३. दो दिन के अवकाश के लिए प्राचार्य को पत्र लिखें।
४. संज्ञा तथा उसके भेद लिखें।
५. विशेषण एवं उसके भेद लिखें।

SANSKRIT

ग्रीष्मकालीन गृह कार्य

१. एक से पचास तक गिनती लिखें।
२. दैनिक जीवन में प्रयोग होने वाली 20 वस्तुओं के नाम चित्र सहित लिखें।
३. बालक तथा बालिका शब्द के रूप लिखें।
४. 5 पंक्तियों में स्वपरिचय लिखें संस्कृत भाषा में।

SOCIAL SCIENCE (write in Activity book)

1. The Earth the solar system (questions and answers)
2. What where how and when (questions and answers)
3. Understanding diversity(questions and answers)

SCIENCE

Answer the following questions

1. Name the major nutrients in our food.
2. . Name the following: (a) The nutrients which mainly give energy to our body.
(b) The nutrients that are needed for the growth and maintenance of our body
3. Write Vitamins table. diseases/disorders caused by deficiency of vitamins and mineral
4. Name five objects which can be made from wood.
5. Given below are the names of some objects and materials: Water, basket ball, orange, sugar, globe, apple and earthen pitcher Group them as:
(a) Round shaped and other shapes (b) Eatables and non eatables
6. Select those objects from the following which shine: Glass bowl, plastic toy, steel spoon, cotton shirt.

7. Why do we need to separate different components of a mixture? Give two examples.

8. What is winnowing? Where is it used?

9. What is sieving? Where is it used?

10. Is it possible to separate sugar mixed with wheat flour? If yes, how will you do it?

CLASS 7

HINDI:

1. पक्षी उन्मुक्त रहकर अपनी कौन-कौन सी इच्छाएं पूरी करना चाहते हैं?

2. अपने माता-पिता की सहायता से भारत के नक्शे में बताइए कि भारत में कौन-कौन सी नदियां बहती हैं और नदियों की सुरक्षा के लिए भारत सरकार कौन-कौन से कार्य कर रही है? वैष्णव के लिए आप अखबार से या किसी पत्रिका से कटिंग भी चिपका सकते हैं।

3. अपनी मां को मां कहते हैं लेकिन नदियों को और धरती को भी मां भारतीय संस्कृति में क्यों कहा जाता है ? अपने माता-पिता से प्रश्न पर राय जानते हुए कारण सहित उत्तर लिखिए

4. व्याकरण ----

(1) संज्ञा के तीन भेद किए गए हैं। उनके नाम लिखो और प्रत्येक संज्ञा के 5-5 उदाहरण भी लिखिए।

(2) पुलकित, लाल, पुष्प – पुष्प, कोमल, सुंदर शब्दों का विशेषण और संज्ञा रूप में उपयोग करते हुए वाक्य बनाइए।

5. आप अपने घर के आस-पास की प्रकृति कैसी देखना चाहते हैं, उसके लिए आप आज से ही क्या कोशिश करेंगे ? अनुच्छेद लिखिए और चित्र बनाइए।

6. कक्षा कक्ष में हो रही समस्याओं से अवगत (बताते हुए) कराते हुए, उन्हें दूर करने के लिए अपने विद्यालय के प्राचार्य महोदय को प्रार्थना पत्र लिखिए।

SCIENCE

ACTIVITY NOTE BOOK ONLY

NAME OF THE LESSON NUMBER OF WORKSHEET

1 NUTRITION IN PLANTS WORKSHEET 1

2 NUTRITION IN ANIMALS WORK SHEET 1

3 NUTRITION IN ANIMALS WORKSHEET 2

4 Map Activity Find out the names of food items of various states of our country and mark them on the map of India. Is there any relation between the food habits and the climatic and geographical location of that place?

5 Food for Health Fast food is not good for health. Compose a story with the above message wherein a girl explains to her younger brother, the bad effects of eating bad FOOD.

6. VISIT YOUR RELATIVES HOME DURING SUMMER VACATION AND ENQUIRE THEIR FOOD HABITS OF ALL FAMILY MEMBERS.

SOCIAL:

write in Activity book

1. Environment (questions and answers)

2. The tracing changes through a thousand years (questions and answers)

3.On Equality (questions and answers)

SANSKRIT:

1. संस्कृत छात्रप्रतिज्ञायाः प्रार्थनायाः च वाचनस्य पुनः पुनः अभ्यासं कुरुत ।

(संस्कृत छात्रप्रतिज्ञा और प्रार्थना को पुनः पुनः बोलने का अभ्यास करें और याद करें)

2. किम् शब्दस्य रूपाणि त्रिषु लिङ्गेषु लिखत ।

(किम् शब्द के रूप तीनो लिंगो में लिखिए)

3.प्रथमपाठस्य श्लोकान् स्मृत्वा स्वअभ्यासपुस्तिकायां लिखत।

(प्रथम पाठ के श्लोकों को याद करके अपनी अभ्यास पुस्तिका में लिखिए)

4.पञ्च सरलसंस्कृत वाक्येषु स्वस्य परिचयं लिखत ।

(पांच सरल संस्कृत वाक्यों में अपना परिचय लिखिए)

MATHEMATICS:

1) Practice exercise questions of 1 st and 2 nd chapter in H.W. notebook (EXCLUDE DELETED TOPICS).

2) ACTIVITY (do in activity notebook)

i) To make a protractor by paper folding

ii) To make a parallelogram, rectangle, square and trapezium using set squares

iii) To find lines of symmetry of some figures by paper folding

iv) To find the ratio of circumference and diameter of circle

ENGLISH:

1.ACTIVITY:

1.Write a paragraph /facts about each of the following :

a.ANTS b.Squirrels c.Elephant

2.Worksheet on unseen passages.

3.Notice writing.

4.Report Writing.

5.Write a letter to the principal requesting him to provide clean drinking water.

6.Grammar.

7.Literature.

CLASS 8

SANSKRIT:

1. संस्कृत छात्रप्रतिज्ञायाः प्रार्थनायाः च वाचनस्य पुनः पुनः अभ्यासं कुरुत ।

(संस्कृत छात्रप्रतिज्ञा और प्रार्थना को पुनः पुनः बोलने का अभ्यास करें और याद करें)

2.10 दैनिक जीवन में प्रयोग होने वाली वस्तुओं के नाम लिखे।

३. प्रथमपाठस्य श्लोकान् स्मृत्वा स्वअभ्यासपुस्तिकायां लिखत।

(प्रथम पाठ के श्लोकों को याद करके अपनी अभ्यास पुस्तिका में लिखिए)

4.पञ्च सरलसंस्कृत वाक्येषु स्वस्य परिचयं लिखत ।

(पांच सरल संस्कृत वाक्यों में अपना परिचय लिखिए)

HINDI

1.3 दिन के अवकाश के लिए प्रधानाचार्य को पत्र लिखें।

2. भारत के राज्यों में स्थित महत्वपूर्ण ऐतिहासिक इमारतों के नाम चित्र सहित लिखें

3. एक चार्ट पेपर पर छात्र प्रतिज्ञा लिखें।

4. चित्र के माध्यम से 2 छात्रों के मध्य संवाद लिखें।

5. छुट्टियों के दौरान अपनी 1 दिन की दिनचर्या लिखें।

6. वर्तमान समय में शिक्षा के महत्त्व पर निबंध लिखें।

7. वसंत पाठ 2 के प्रश्न उत्तर याद करें।

MATHS:

1) Practice exercise questions of 1st and 2nd chapter in H.W. notebook (EXCLUDE DELETED TOPICS)

2) ACTIVITY (do in activity notebook)

i) To verify that the sum of any two sides of a triangle is always greater than the third side.

ii) To find the order of rotational symmetry of a given figure.

iii) To obtain a formula for the area of a circle.

iv) To verify Pythagoras theorem for any right angle triangle.

3) GROUP PROJECTS

a) Verification of Pythagoras theorem in different ways

b) Symmetry in daily life

c) Fibonacci sequence

d) Areas of different polygons

e) Use of graphs in day-to-day life

SOCIAL SCIENCE:

- 1.Resources (questions and answers)
- 2.The Indian constitution(questions and answers)
- 3.How When and Where (questions and answers)

ENGLISH:

ACTIVITY:

- *About Christmas Eve.
- *Write a paragraph on “Health and its importance.”

- 1.WORKSHEET ON UNSEEN PASSEGES.
- 2.GRAMMAR.
- 3.Write a leave letter addressed to your principal.
- 4.Notice.
- 5.Pg no:20 exercise.
- 6.Literature.

BIOLOGY

BIOLOGY:• Answer the following questions

1. Explain various methods that can be used for food preservation.
2. What will happen to Puri and unused kneaded flour if they are left in the open for a day or two.
3. Describe nitrogen cycle in nature.
4. Collect the labels from the bottles of germs and jealously write down the list of contents printed on the labels.
5. What are the major groups of microorganisms.
6. Write about friendly microorganisms.
7. Write about harmful microorganisms.
8. Briefly explain the structure of Golgi apparatuses in animal cells how it is different in plant cells.
9. Describe the structure of mitochondria.
10. Water Chromoplast and leucoplast give an example of

Projects and activities

1. So some seeds in the soil and arrange to water them by drip irrigation observe daily
2. Do you think it can save water
3. Note the changes in the seed
4. Collect different types of seeds and put them in small bags label them.
5. Collect pictures of some other agricultural machines and paste them in

a file write their names and uses.

6. Project work

7. Visit a farm nursery or a garden near by gather information about

8. Importance of seed selection

9. Method of irrigation

10. Effects of extreme cold and extreme hot weather on the plants

11. Effects of continuous rain on the plants

12. Fertilizers /manure used

CLASS 9

ENGLISH:

1.Activity/ subject enrichment:

2.Impact of Technology on Children

Role/ Value of parents in our lives.

Homework notebook:

1.Worksheet on unseen passages

Worksheet on Integrated Grammar

2.Formal Letter

3.Reading Skills: Read stories, Reader, supp reader to improve your reading skills

SANSKRIT:

१. पाँच वाद्ययंत्रों के चित्र एकत्रित करें तथा उनके नाम लिखें?

२. माहेश्वर सूत्र लिखें तथा याद करें?

३. दीर्घ, यण, वृद्धि संधि की परिभाषा उदाहरण सहित लिखें?

४. वर्णों के उच्चारण स्थान लिखें तथा याद करें

HINDI :

1. कवि ने सच्चे प्रेमी की क्या कसौटी बताई है ?

2. हीरा और मोती के घर वापस आकर क्यों आ गए 3. कारण सहित उत्तर लिखिए

4. कबीर के कोई भी 3 दोहे अर्थ सहित लिखिए

निम्न शब्दों से उपसर्ग व प्रत्यय छाँटकर लिखिए –

भूखा, नमकीन , बुराई, महानता, कथाकार (प्रत्यय)

अधखिला, अनजान, भरपेट, अनुचित, दुबला (उपसर्ग)

5.अपने स्वेच्छा से चित्र सहित एक कविता लिखिए ।

6.अनुच्छेद लिखिए - पशुओं के साथ मानवता

अथवा

मेरे जीवन का लक्ष्य

MATHEMATICS:

1.Practice exercise questions of 1st and 2nd chapter in H.W. notebook (EXCLUDE DELETED TOPICS)

2.ACTIVITY (do in activity notebook)

i)To construct a square root spiral

ii)To verify the algebraic identity

iii)To verify experimentally the different criteria for congruency of triangles using triangle cutouts

iv)To verify that the angle subtended by an arc of a circle at the center is double the angle

subtended by it at any point on the remaining part of the circle

1.GROUP PROJECTS

a)Mathematical designs and patterns

b)To develop Heron's formula for area of a triangle

c)Story of π and methods for finding the value of π

d)Ramanujan's number

e)Knowledge and classification of solid f)figures with respect to surface areas and volume

BIOLOGY

• Answer the following questions

1. Distinguish between plasma membrane and cell wall.

2. Tabulate the differences between nucleoid and nucleus giving three points

3. Explain the structure of nucleus.

4. Give two examples of prokaryotic organisms.

5. What is endoplasmic reticulum write its main functions.

6. Briefly explain the structure of Golgi apparatus in animal cells how it is different in plant cells.

7. Describe the structure of mitochondria.

8. Water Croma Plus and leucoplast give an example of chromoplast which as green pigment

Projects and activities

1. Activi1 5.1

(see NCERT book on page 57)

2. Activity 5.2(see NCERT Book page 58)

3. Activity 5.3 (see NCERT Book page 60)

4. Activity 5.4 (see NCERT Book page 60)

5. Activity 5.6 (see NCERT Book page 61)

6. Activity 5.7 (see NCERT Book page 61)

Project

1. Prepare the model of microscope.

PHYSICS

CCT QUESTION: Read the passage carefully and select the correct option to the given questions. 3 MARK

Concept of Uniform Circular Motion:

Uniform circular motion means that the magnitude of the velocity will always be constant. But the direction of the velocity will change at a constant rate from every point. It means that the path of the object will form a circle. And the object will complete the repeated trips around the path in the same amount of time every time. The term circular is applicable to describe the motion in a curved path. The motion of any object along some circular path, covering equal distance along the circumference in the same time interval is known as the uniform circular motion. In any such motion, the speed remains constant, with constantly changing direction. The tangential speed at every point on the circumference will be constant in a uniform circular motion. This tangential velocity vector is tangent at every point over the circumference. Also, the acceleration vector is therefore always directed toward the center of the circle formed by the motion of the object. This acceleration is either known as the radial acceleration, because it is at a certain radius from a central point, or also as centripetal acceleration, which means that it is center seeking.

Question 1. A stone tied to a string is rotated in a circle. If the string is cut, the stone flies away from the circle because

- a)A centrifugal force acts on the stone
- b)Of its inertia
- c)A centripetal force acts on the stone
- d)The reaction of the centripetal force

Question 2: A body moves with a constant speed along a circle. Then,

- a)No work is done on it
- b)There is no acceleration produced in the body
- c)No force acts on the body
- d)The body has constant velocity

Question 3: What will be the velocity vector of a particle moving in a circle describing equal angles in equal times?

a) Changes in direction

b) Remains constant

c) Changes in magnitude

d) Changes both in direction and magnitude

2) a train is moving with 54 kmph speed for first 100 km and 72 kmph speed for next 100 km. find its average speed. (2)

3 Find the speed of a car moving in circular path of radius 100 m in 30 seconds. (3)

4) Draw the following distance time graphs . 3 mark

(1) uniform acceleration (2) Non uniform acceleration and (3) zero acceleration

5) A bus starting from rest moves with a uniform acceleration of 0.1 m s^{-2} for 2 minutes. Find (a) the speed acquired, (b) the distance travelled. (3)

CHEMISTRY :

Answer the following questions

1. What are the characteristics of the particles of matter

2. Convert the following temperature to Celsius scale: i). 300K ii). 573K iii) 846 k

3. . Why is ice at 273K more effective in cooling than water at the same temperature?

4. . What is the physical state of water at (a) 25°C (b) 0°C (c) 100°C ?

5. Give reason for the following observations:

(a) Naphthalene balls disappear with time without leaving any solid.

(b) We can get the smell of perfume while sitting several metres away

6. Convert the following temperatures to the Kelvin scale. (i) 25°C (ii) 373°C (iii) 462°C

7. . For any substance, why does the temperature remain constant during the change of state?

8. . Which of the following are matter? Chair, air, love, smell, hate, almonds, thought, cold, lemon water, the smell of perfume.

9. A diver is able to cut through water in a swimming pool. Which property of matter does this observation show?

SOCIAL SCIENCE:

1. INDIA SIZE AND LOCATION NOTES

2. FRENCH REVOLUTION NOTES

3. INDIA POLITICAL MAP LOCATE/LABELING GIVEN PLACES

a) Standard meridian of India 82.30

b) Tropic of cancer 23.30

c) Andaman Nicobar island

d) Lakshadweep island

e) Delhi

COMPUTER SCIENCE

- 1.WHAT IS ARTIFICIAL INTELLIGENCE?AND EXPLAIN TYPES OF HUMAN INTELLIGENCE?
- 2.GIVE SOME EXAMPLES OF REAL WORLD HUMAN INTELLIGENCE?
- 3.DEFINE ARTIFICIAL INTELLIGENCE?
- 4.GIVE SOME EXAMPLES OF APPLICATIONS WHERE ARTIFICIAL INTELLIGENCE HAS EXHIBITED HUMAN LIKE INTELLIGENCE?
- 5.GIVE SOME EXAMPLES OF MODERN MACHINES WHICH USE ADVANCED TECHONOLOGY BUT ARE NOT ARTIFICIALLY INTELLIGENT?
- 6.GIVEN BELOW ARE SOME APPLICATIONS/SITUATIONS.IDENTIFY WHICH OF THESE USE (OR) ARE BASED ON AI?
A.self driving cars B.amazon alexa
C.smart refrigerators D.predictive medical assistants
E.Facebook deep face
- 7.NAME THE SCIENTIST WHO FIRST USED THE TERM "AI"?8.LIST SOME ADVANTAGES AND DISADVANTAGES OF AI?9.WHAT IS THE SMART HOME?10.WHAT ARE THE BASIC NECESSITIES FOR CREATING A SMART AI BASED HOME?11.WHAT ARE THE DOMAINS OF AT?12.WHAT IS DATA SCIENCE?HOW DOES IT USED AI?13.WHAT IS COMPUTER VISION?GIVE SOME EXAMPLES OF COMPUTER VISION BASED AI APPLICATIONS?14.WHAT IS NLP?GIVE SOME EXAMPLES OF NLP BASED APPLICATIONS?15.IF GIVEN A CHANCE,WHAT TYPE OF AI APPLICATIONS WOULD YOU LIKE TO DEVELOP (OR) GET DEVELOPED?DISCUSS</div><div data-bbox="454 617 540 634" data-label="Section-Header"><h2 style="text-align: center;">CLASS 10</h2></div><div data-bbox="56 648 154 664" data-label="Section-Header"><h2>SANSKRIT:</h2></div><div data-bbox="56 680 457 838" data-label="List-Group"><ol style="list-style-type: none;">१.महेश्वर सूत्र लिखें तथा याद करें।२. छात्र प्रतिज्ञाया कंठस्थ करणीय पुस्तिकायाम लिखत।३. प्रथम पाठ के प्रश्नोत्तर लिखें तथा याद करें।४. पर्यावरण विषय पर आधारित निबंध लिखें।५. अयादि , पररूप तथा पूर्वरूप संधियों की परिभाषा उदाहरण सहित लिखें?</div><div data-bbox="56 854 118 871" data-label="Section-Header"><h2>HINDI:</h2></div><div data-bbox="56 886 646 938" data-label="List-Group"><ol style="list-style-type: none;">1. सेनानी न होते हुए भी लोग चश्मे वाले को कैप्टन क्यों कहते थे ?2. चौराहे या पार्क आदि विभिन्न स्थानों पर महापुरुषों की मूर्तियां क्यों लगाई जाती हैं अपनी कल्पना से तर्क सहित</div>

उत्तर दीजिए

3. अनुच्छेद लिखिए --- सुरक्षित पर्यावरण अथवा

. स्वच्छ धरती, सुंदर जीवन

4. आपके पड़ोस में बच्चों को खेलने के लिए सुरक्षित पार्क की व्यवस्था नहीं है, एक सुंदर स्वच्छ पार्क बनवाने का निवेदन करते हुए नगर परिषद अधिकारी को पत्र लिखिए।

5. 'हम मीरा के घर खेलने जायेंगे।' इस वाक्य में हम शब्द सर्वनाम है। मीरा शब्द व्यक्तिवाचक संज्ञा है। इसी प्रकार आप अन्य पाँच वाक्य लिखिए और शब्दों का परिचय बताइए।

6. आपने स्कूल के बच्चों के लिए पाठ्यपुस्तकें उपलब्ध करवाने के लिए एक दुकान खोली है, उसके प्रचार के लिए एक विज्ञापन तैयार कीजिए।।

7. अपनी पसंद से किसी अच्छे विषय पर स्वरचित कविता चित्र सहित लिखिए।

ENGLISH :

A. Subject Enrichment :

1. Prepare an article on the topic "Plight of Indian Farmers"

2. Harmful effects of Junk Food/ Say NO to Junk Food. Use pictures/ drawings.

B. Homework note book:

1. Worksheet on Unseen Passages

2. Worksheet on Integrated Grammar

3. Formal Letter

C. Reading skills: Read storybooks, textbook lessons to improve reading skills and oral comprehension

SOCIAL SCIENE:(write in Activity Notebook)

1.Resources and development Chapter Notes

2.The Rise of National in Europe Chapter Notes

CHEMISTRY:

Answer the following questions

1. Why should a magnesium ribbon be cleaned before burning in air?

2. Write a balanced chemical equation with state symbols for the following reactions. (i) Solutions of barium chloride and sodium sulphate in water react to give insoluble barium sulphate and the solution of sodium chloride.

3. A solution of a substance 'X' is used for white washing. (i) Name the substance 'X' and write its formula. (ii) Write the reaction of the substance 'X' named in (i)above with water

4. Why does the colour of copper sulphate solution change when an iron nail is dipped in it?

5. A shiny brown coloured element 'X' on heating in air becomes black in colour. Name the element 'X' and the black coloured compound formed.

6. What do you mean by a precipitation reaction? Explain by giving examples.

7. What does one mean by exothermic and endothermic reactions? Give examples

8. Why is respiration considered an exothermic reaction? Explain.

9. Oil and fat containing food items are flushed with nitrogen. Why?

10. Explain the following terms with one example each.

A. Corrosion b. Rancidity

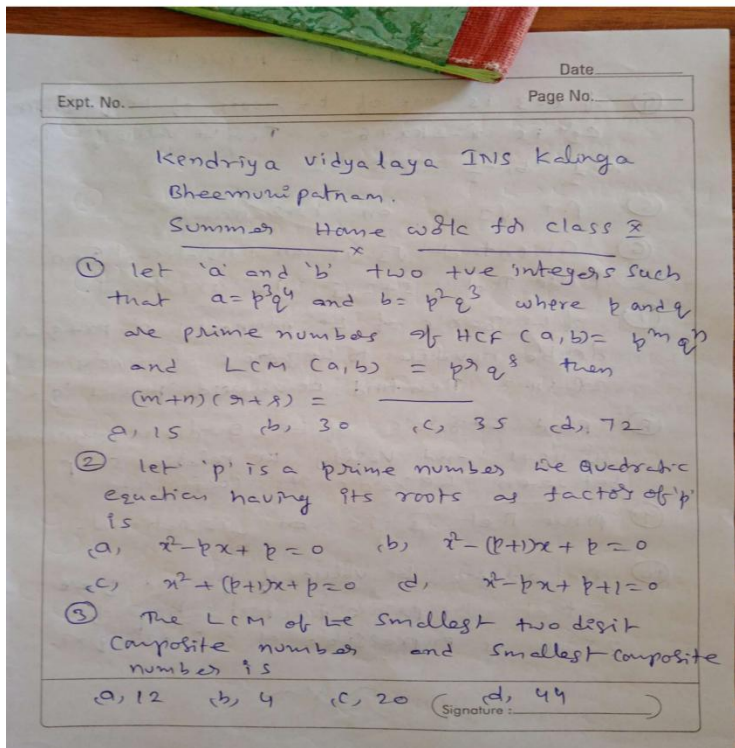
MATHS:

P.T. → prove that

- ④ If $x=3$ is one of the roots of the quadratic eqn is $x^2-2kx+6=0$. Then the value of k is
a) $\frac{1}{2}$ b) $-\frac{1}{2}$ c) 3 d) 2
- ⑤ P.T. $\sqrt{3}$ is an irrational
- ⑥ Given that $\sqrt{3}$ is an irrational then prove that $5+2\sqrt{3}$ is irrational.
- ⑦ If the roots of the polynomial ax^2+bx+c are double in value to the roots of the polynomial $2x^2-5x-3$. Then find the values of 'p' and 'q'.
- ⑧ Find the roots of the quadratic polynomial x^2-5x+1 and verify the relationship between the roots and its coefficients.
- ⑨ Prove that $\sqrt{5}$ is an irrational.
- ⑩ Determine the values of 'p' and 'q' such that the prime factorisation of 2520 is expressible as $2^p \times 3^q \times 7$.

~X~

Subhodaya



PHYSICS

CCT QUESTION: Read the passage carefully and select the correct OPTION

SECTION --A -- PHYSICS

1) PISA QUESTION – 3 MARK

Starlight Toshio likes to look at stars. However, he cannot observe stars very well at night because he lives in a large city. Last year Toshio visited the countryside where he observed a large number of stars that he cannot see when he is in the city.

Question 1: Why can many more stars be observed in the countryside than in large cities?

- A. The moon is brighter in cities and blocks out the light from many stars.
- B. There is more dust to reflect light in country air than in city air.
- C. The brightness of city lights makes many stars hard to see.
- D. The air is warmer in cities due to heat emitted by cars, machinery and houses.

Question 2: Toshio uses a telescope with a large diameter lens in order to observe stars of low brightness. Why does using a telescope with a large diameter lens make it possible to observe stars of low brightness?

- A. Larger the lens the more light is collected.
- B. The larger the lens the more it magnifies.
- C. Larger lenses allow more of the sky to be seen.
- D. Larger lenses can detect the dark colours in stars.

Question 3: Toshio wants to make a telescope in order to observe stars. Identify the things he needs from the following.

- A. larger lens only

B. larger mirror only

C. Larger lenses and mirrors both D. None.

2) Draw the image formation in a convex lens when the object is placed at radius of curvature. Also mention the image properties. (3)

3) A concave mirror produces three times magnified (enlarged) real image of an object placed at 10 cm in front of it. Where is the image located? (3)

4) Define refraction of light? State Snell's law. Draw the refraction pattern in case of a GLASS PRISM and GLASS SLAB. (5)

COMPUTER SCIENCE:

1.what is intelligence?

2.what is artificial intelligence?

3.what are the different abilities that are involved in intelligence?

4.how do you make decisions?

5.what are the different applications of artificial intelligence?

6.what is machine learning?

7.what is deep learning?

8.what are artificial intelligence(AI) domains?

9.what is the purpose of data science of AI?

10.what is computer vision?

11.what is the purpose of NATURAL LANGUAGE

PROCESSING (NLP)?

12.what is AI ETHICS?

13.what is data privacy in AI?

14.what is an AI bias?

15.why do we need artificial intelligence?

16.what is deep learning, and how is it used in the real world?

17.which programming language is used in AI?

18.what is an intelligent agent in AI, and where are they used?

19.How is machine learning is related to AI?

20.what is the uses of computer vision in AI?

21.what are some misconcept about AI?

22.what is a chat bot?

23.what are the different areas where AI has a great impact?

24.what exactly is machine learning?include 2 examples of how machine learning is used in every day life?

25.Give the names of any four natural language processing apps that are used in real life situations?

26.categorize the following into data science,machine learning,computer vision and NLP?

27.Give some examples of NLP(NATURAL LANGUAGE PROCESSING)applications?

BIOLOGY

- Class.10th. Holiday homework.subject.biology.kvs kalinga.2023-2024 batch.
-

- Answer the following questions

1. Explain the process of nutrition in amoeba with the help of diagram.
2. What is meant by digestion give the important steps in the process of protein digestion in man.
3. Why is nutrition necessary for the human body.
4. What causes moment of food inside the elementary canal.
5. Why is small intestine in herbivores longer than in carnivores.
6. What will happen if mucus is not secret by the gastric glands. Draw a labelled diagram to show the position of liver gallblade while upper part of small intestine and pancreas.
7. Draw a diagram to show the position of large intestine lower smaller intestine and rectum.
8. Draw a well labelled diagram of human alimentary canal.

Projects and activities

1. (see NCERT book on page 82)
2. Activity 5.2(see NCERT Book page 83)
3. Activity 5.3 (see NCERT Book page 85)

4. Activity 5.4 (see NCERT Book page 87)

5. Activity 5.5 (see NCERT Book page 87)

6. Activity 5.6(see NCERT Book page 89)

Project

1. Prepare human digestive system model.

CLASS 12

1.ENGLISH:

1.ACTIVITY:

*Highlight the plight of oppressed Gender– inequality, injustice, deprivation, agony, pain faced by them (Infographics / Data).

*Kamala Das – and Indian writer throughout her literature career has fought for the rights of women – (Aunt Jennifer’s Tigers) –mention the themes.

2.WORKSHEET ON UNSEEN PASSAGES.

3.NOTICE WRITING.

4.POSTER.

5.REPORT WRITING.

6.GRAMMAR.

7.LITERATURE.

2. HINDI:

(ग्रीष्मकालीन अवकाश गृहकार्य)

विषय – हिंदी कक्षा -12 वीं (अ)

1. कवि हरिवंश राय बच्चन ने क्यों कहा है कि आत्म परिचय कविता कविता नहीं है बल्कि मेरा अपना परिचय है तर्क सहित उत्तर दीजिए ।
2. निम्न में से किसी एक विषय पर अनुच्छेद लिखिए (शब्द 200)
 - मेरे सपनों का भारत
 - मोबाइल बिना सब सूना
 - करुणा एक महामारी
3. सड़कों की दुर्दशा पर चिंता प्रकट करते हुए अपने नगर पालिका के अध्यक्ष को पत्र लिखिए।
- 4.जन संचार के माध्यमों की पांच विशेषताएँ लिखिए।
5. अखबार से एक फीचर लेख की कटिंग चिपकाएँ और फीचर व उल्टा पिरामिड शैली में अंतर बताइए ।
- 6.कार्ड सीट पर चित्र व रंग से सुनियोजित कर एक सुंदर कविता चित्र सहित लिखें।

BIOLOGY:

1. Activity experiment 1 to study pollen germination on a slide.
2. Experiment number 2. Collect soil from at least two different sites and study them for texture and moisture content of soils.

Projects

1. Prepare asexual reproductive structures
2. Prepare human reproductive system
3. Prepare human female reproductive system

Project

1. Prepare human digestive system model.
2. Prepare human female reproductive system model.

Class.xii holiday homework,kvs.kalinga subject. biology

Answer the following questions.

1. Differentiate between microspirogenesis and megasporogenesis. which type of cell division occurs during these events. Name the structures formed at the end of these two events.
2. Arrange the following terms in the correct development sequence.

Pollen grain, sporogenous tissue, microspore tetrad, pollen number cell, male gametes.

3. with a neat labelled diagram describe the parts of a typical angiosperm ovule.

4. What is meant by monosporic development of female gametophyte

5. with a neat diagram explain the 7 celled, 8 nucleate nature of the female gametophyte.

6. Water chasmogamous flowers. Can cross pollination occur cleistogamous flowers. Give reason for your answer.

ention two strategies avoiding to prevent self pollination in flowers.

3. PHYSICS:

- 1) NCERT TEXT BOOK LESSON (1) ELECTRIC CHARGES AND FIELDS EXERCISE 1.1 TO 1.12 and 1.19 to 1.23
- 2) NCERT TEXT BOOK LESSON (2) ELECTRIC potential AND capacitance EXERCISE 2.1 TO 2.11.

- 3) Write two activities in the Activity book.
- 4) Write one experiment in the practical Record.
- 5) Complete the CBSE INVESTIGATORY PROJECT FILE FOR 2024 BOARD EXAMS.

4. CHEMISTRY:

Answer the following questions.

1. Define the following terms: (i) Mole fraction (ii) Molality (iii) Molarity (iv) Mass percentage
2. Why do gases always tend to be less soluble in liquids as the temperature is raised?
3. State Henry's law and mention some important applications
4. Based on solute-solvent interactions, arrange the following in order of increasing solubility in n-octane and explain. Cyclohexane, KCl, CH₃OH, CH₃CN.
5. Amongst the following compounds, identify which are insoluble, partially soluble and highly soluble in water? (i) phenol (ii) toluene (iii) formic acid (iv) ethylene glycol (v) chloroform (vi) pentanol.
6. Calculate the amount of benzoic acid (C₆H₅COOH) required for preparing 250 mL of 0.15 M solution in methanol.
7. The standard electrode potential for Daniell cell is 1.1V. Calculate the standard Gibbs energy for the reaction: Zn(s) + Cu²⁺(aq) ---- Zn²⁺(aq) + Cu(s)
8. Why does the conductivity of a solution decrease with dilution?
9. Given the standard electrode potentials, K⁺/K = -2.93V, Ag⁺/Ag = 0.80V, Hg₂²⁺/Hg = 0.79V, Mg²⁺/Mg = -2.37 V, Cr³⁺/Cr = -0.74V Arrange these metals in their increasing order of reducing power.

10. Define conductivity and molar conductivity for the solution of an electrolyte. Discuss their variation with concentration.
11. The conductivity of 0.20 M solution of KCl at 298 K is 0.0248 S cm⁻¹. Calculate its molar conductivity
12. Explain ideal solutions and non ideal solutions.

COMPUTER:

1. Expand the following terms A.pop3 B.url
 2. Give some differences between XML&HTML?
 3. Observe the following code given below accepts a number as an argument and returns the reverse number. Observe the following code carefully and rewrite it after removing all syntax and logical errors. underline all the corrections made.
- ```

define rev number(num);
rev=0
rem=0
while num>0;
rem=num%10
rev=rev*10+rem
num=num//10
return rev
print(rev number(1234))

```
4. Write a function COUNT NOW(PLACES) in python, that takes the dictionary places as an argument and displays the names (in uppercase) of the places whose names are longer than 5 characters  
for eg : consider the following dictionary  
PLACES={'1':'DELHI','2':'LONDON','3':'PARIS','4':'NEW YORK','5':'DUBAI'}  
THE o/p should be:  
LONDON,NEW YORK
  5. Predict the o/p of following code:  
S='LOST'  
L=[10,21,33,4]  
D={}  
FOR I in range(len(s));  
if I%2==0;  
D[L.POP()]=S[I]  
ELSE:  
D[L.POP()]=I+3  
FOR K,V in D.items():  
print(K,V,sep='\*')
  6. Define computational thinking and Expand its types?
  7. What is the difference between input() and Raw-input()?
  8. How many times will python execute the code inside the following WHILE LOOP? you should answer the question without using the Interpreter! justify your answers  
i=0  
while i<0 and i>2:  
print('HELLO....')  
i=i+1
  9. What are the difference between parameters and arguments? define default arguments and keyword arguments?
  10. What are the difference between ARRYS, TUPLE and LISTS?
  11. Explain with the examples with respect to the scope of the variables?
  12. Find and write the o/p of the following python code:  
Number=[9,18,27,36] for N in number;  
print(N,'#',END='<');  
print()
  13. When are the following built-in exceptions raised? give examples to support your answers:  
A.import error B.IO error c.Name error D.zero division error
  14. Define the following with examples:  
A.EXCEPTION HANDLING B.Throwing an Exception C.catching an exception
  15. Define stack and stack operations? Implementation of stack using list?

### MATHAMATICS:



Kendriya Vidyalaya Inr Kedinga  
Bhree Manipalnam.

Summer Home work for class XII

- ① Let  $N$  is the set of all Natural numbers and  $R$  is a relation on  $N \times N$  defined by  $(a, b) R (c, d) \Leftrightarrow ad = bc \quad \forall (a, b), (c, d) \in N \times N$ . Show that  $R$  is an equivalence relation.
- ② Show that the relation  $R$  is  $\subseteq$  set  $A = \{1, 2, 3, 4, 5\}$  given by  $R = \{(a, b) \mid 1 \leq a - b \leq 2\}$  is an equivalence relation. write all the equivalence classes of  $R$ .
- ③ Show that the function  $f: \mathbb{Z} \rightarrow \mathbb{Z}$  defined by  $f(x) = x^2 + x, \forall x \in \mathbb{Z}$  is many-one function.
- ④ Show that the function  $f: \mathbb{N} \rightarrow \mathbb{N}$  is given by  $f(x) = 2x$  is one-one but not onto.

(Signature : \_\_\_\_\_)