PM SHRI KENDRIYA VIDYALAYA INS KALINGA,BHEEMUNIPATNAM
SUMMER BREAK HOLIDAYS HOME WORK 2025-26

CLASS-3

HINDI:

1.ग्रीष्मकालीन अवकाश गृहकार्य

2. वर्णमाला लिखो |

3. बारहखड़ी लिखो | (10 वर्ण)

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

5. एक से बीस तक गिनती लिखो।

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.

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.

<h1 align="center">CLASS-4</h1>

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।

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.

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.

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 centimetres given below. 12M 8M 14M 16M
V. Convert from the Centimetres to metres given below 600cm 900cm 400cm 1000cm

<h1 align="center">CLASS -5</h1>

HINDI:

1 कोई भी कविता लिखकर उसमें से पाँच प्रश्नों का निर्माण करो।

2.आप किसी आदमी को पेड़ काटते हुए देखकर क्या प्रतिक्रिया दोगे? आपके और उस आदमी के बीच की बातचीत लिखो।

3.कोई दस शब्द लिखकर वाक्य में प्रयोग करो ।

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.

ENGLISH:

1. Identify any 5 naming words and 5 action words from the lesson "Wonderful Waste!" and make meaningful sentences with those words.
2. Identify5 describing words from the poem "Ice-Cream Man" and make meaningful sentences withose words.
3. Write about your favorite icecream in about 5-7lines.
4. write capital and small alphabets and in cursive also

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

HINDI:

ENGLISH:

Q1. Write an application/ letter to the principal of your school for fee concession.

Q2. The increase of the population of our country has led to the shrinking of forest cover. The cutting of the forest causes what is called "The Green House Effect". It results in the heating of the earth's surface which has serious consequences. Write an article on the topic 'The Importance of Tree Plantation'.

Q3.Read news paper or story books and collect 50 new words

Q4. write a paragraph about your family.

5. Write aletter to your friend about your birthday party.

Q6.Write cursive writing every day 1 page.

MATHS:

1. Write and learn tables from 1 to 20
2. Find the places for each of the digit for the followings
   1)353   2)254   3)568
3. Find the place value for each of the digit for the followings
   1)3536   2)254   3)568
4. Draw the 42 and 52 dot box
5. Write the types of patterns with examples
6. Write the weight units
7. Write the distance units

8. Make any five 2-d and 3-d shapes with card board
9. Write prime numbers up to 50
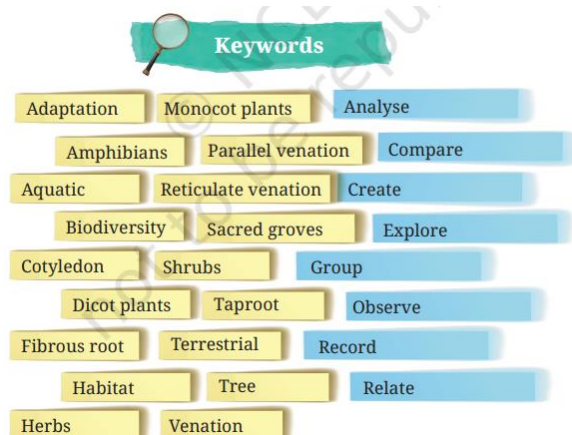10. Write triangular and virahanka number patterns (any 5)

SCIENCE:

I. Write the answers for these questions.

1.Fill this table.

Table 2.3: Grouping of plants based on height and nature of stem

S. no.	Name of the plant	Height	Nature of stem			Appearance of branches		Name of plant group
		Short/ Medium/ Tall	Green/ Brown	Tender/ Hard	Thick/ Thin	Close to the ground	Higher up on the stem	
1.	Mango	Tall	Brown	Hard	Thick		Yes	Tree
2.	Rose	Medium	Brown	Hard	Thin	Yes		Shrub
3.	Tomato	Short	Green	Tender	Thin	Yes		Herb

2.Write the meaning of these key words by referring the text book.

Keywords

Adaptation Monocot plants Analyse
Amphibians Parallel venation Compare
Aquatic Reticulate venation Create
Biodiversity Sacred groves Explore
Cotyledon Shrubs Group
Dicot plants Taproot Observe
Fibrous root Terrestrial Record
Habitat Tree Relate
Herbs Venation

SOCIAL:

1.Write the following answers related to Globe:-

a.The total number of longitude are----

b.The total number of latitudes are –

c.The value of the prime meridian is –

d.The Antarctic circle is located in which hemisphere—

e.Arctic circle is located in which hemisphere—

f.Tropic of cancer is located at ---

g.Tropic of Capricorn is located at ---

h.On Globe ,the 0 degree latitude is known as—

2.Draw a colorful chart of the solar system in your notebook .

3. Paste a political map of India in your notebook and locate and label all the states and union territories along with neighbouring countries.

4. Learn all the question and answer of the completed chapters.

5. Draw a figure of Globe in your notebook and locate all the major latitudes

SANSKRIT:
1.संस्कृत भाषायाम्शाकानि नामानि लिखत। (सब्जियों के
नाम संस्कृत भाषा में लिखो तथा चित्र भी चिपकाओ।कम
से कम 5 नाम ।)
2.संस्कृत भाषायाम् पञ्च शरीरस्य अंगानि नामानि लिखत। (शारीर के अंगो
नाम संस्कृत भाषा में लिखो तथा चित्र भी चिपकाओ।कम
से कम 5 नाम ।)
3. (5 पृष्ठ सुलेख लिखत)5 पेज सुलेख लिखो।
4.श्रीमद् भगवद्गीताया: कोअपि पञ्च श्लोका: लिखित्वा सस्वरं स्मरणंकुरु। (श्रीमद् भगवद्गीता से कोई 5
श्लोक लिखकर सस्वर याद करे)।
5.संस्कृत भाषायां छात्र प्रतिज्ञा लिखित्वा स्मरणंकुरु ।(संस्कृत भाषामें छात्र प्रतिज्ञा लिख कर याद करे)
।

CLASS-7

ENGLISH:
1. Write a formal letter to your local Member of the Legislative Assembly (MLA) regarding the poor condition of the roads in your locality.

2. Create a chart illustrating Active and Passive Voice with examples. (More concise and uses a stronger verb)

3. Read a newspaper daily, Identify unfamiliar words, find their meaing collect 50 words.

Q4. Water is one of the most precious gifts of nature. But it is unfortunate that we don't understand its worth and over-exploit this resource for our selfish purposes. It is a matter of serious attention that water must be conserved at all costs. Write an article for your school magazine, urging fellow students to save water. You are Mohit/Mohita.

Q5.write biographics of 2 famous people.

Q6.Write cursive writing every day 1 page.

MATHS:

1. Write and learn tables from 1 to 20
2. Find the places for each of the digit for the followings
    1)258   2)952   3)458
3. Find the place value for each of the digit for the followings
    1)258   2)952   3)458
4. Write the types of fraction with examples (2 kinds)
5. Find the L.C.M, 12 and 18   18 and 24   14 and 18
5. Find the H.C.F, 12 and 18   18 and 24   14 and 18
7. Find the value of following
    a2+b2+9   at   a=2, b=2   and a2+b2+9   at   a=1 ,b=2
8. Make any five 2-d and 3-d shapes
9. Write prime numbers up to 50
10. Draw the pie chart related to population in India (any)

SCIENCE:

PROJECT: HEALTHY LIFESTYLE

As we discussed the topic Nutrition in Animals in the class VI and we hope that you have realized how important it is for us to have balanced diet in order to keep our body working and healthy, based on the topic following activities are designed.

ACTIVITY 1: Discuss with your parents and grandparents, the way to lead a healthy life. Based on the discussion design a diet plan for the children of your age group with tips and suggestions to lead a healthy life.

ACTIVITY 2: Work on your self-healing power and write various ways to boost your immune system.

ACTIVITY 3: Fast food is not good for health. Compose a story (150-200 words with pictures and drawings) with this message wherein a girl or boy explains to her/his younger brother, the bad effects of eating fast food.

SOCIAL:

1. Write and learn the explanation of all fundamental rights.

2.Paste a political map of India in your notebook and locate and label all the states and union territories along with neighbouring countries.

3. Explain deforestation and its causes.

4. Explain in detail about major religions in India.

5. On outline map of India locate and label all continents and oceans.

6. Write about your duties as responsible citizen of India.

7. Learn and revise the completed modules.

8. Draw a globe showing major the latitudes

HINDI:

SANSKRIT:

1. किम्' शब्दरूप : (त्रीणि लिंगानि) लिखित्वा स्मरणंकुरु ।

(किम् के शब्दरूप तीनों लिंगों में लिखकर याद करो।)

2.'एतत् ' शब्दरूपः (त्रीणि लिङ्गानि) लिखित्वा स्मरणंकुरु ।

(एतत् के शब्दरूप तीनों लिंगों मेंलिखकर याद करो।)

3. न्यूनतम 10 दैनिकजीवनस्य वस्तूनि नामानि चित्रंसहितम्संस्कृत भाषायाम्

लिख। (दैनिक जीवन की वस्तुओ ंके नाम चित्र सहित संस्कृत भाषा मेंलिखो।)

4 . 5 पृष्ठं सुलेखं लिखत्। (5 पेज सुलेख लिखो)

5. श्रीमद् भगवद्गीतायाः कोअपि पञ्च श्लोकाः लिखित्वा सस्वरं स्मरणंकुरु‌ (श्रीमद् भगवद्गीता से कोई 10 श्लोक लिखकर सस्वर याद करे)‌

6. संस्कृत भाषायां छात्र प्रतिज्ञा लिखित्वा स्मरणंकुरु ‌(संस्कृत भाषामें छात्र प्रतिज्ञा लिख कर याद करे) ।

CLASS-8

HINDI:

1. बस, वश, बस तीन शब्द हैं – इनमें बस सवारी के अर्थ में, वश अधीनता के अर्थ में, और बस पर्याप्त (काफी) के अर्थ में प्रयुक्त होता है,

   जैसे – बस से चलना होगा।

   मेरे वश में नहीं है।

   अब बस करो।

   उपर्युक्त वाक्यों के समान वश और बस शब्द से दो-दो वाक्य बनाइए।

2. ' आज तकनीकी युग में कार्य मशीनों से हो रहा है जिसके कारण रोजगार कम होने की संभावना बढ़ गई है इस बात को ध्यान में रखते हुए स्पष्ट कीजिए कि मशीनी युग ने कितने हाथ काट दिए।' - अपने विचार लिखे क्या यह सही है नहीं है पर के सहित उत्तर दे ।

3. व्याकरण ----

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

   () हरे-हरे, पुष्प - पुष्प, कोमल, सुंदर शब्दों का विशेषण और संज्ञा रूप में उपयोग करते हुए वाक्य बनाइए ।

4. सन 2025 में आप अपने घर के आस-पास की प्रकृति कैसी देखना चाहते हैं, उसके लिए आप आज से ही क्या कोशिश करेगे ? अनुच्छेद लिखिए और चित्र बनाइए ।

5. विद्यालय में एक सुंदर छोटा बगीचा बनाने के लिए अपने विद्यालय की प्राचार्य महोद्य को प्रार्थना पत्र लिखिए ।

ENGLISH:

1.write a flow chart about tenses with examples.

2.Write an essay on "Child labor" based on the lesson "Children at Work."

3.Read the newspaper, identify challenging words, define them, provide examples of their usage in sentences, and list synonyms and antonyms for each word, including 50 word lists for both."

4.You read in the newspaper about a baby girl found abandoned at the railway station. You are touched by the fact that people consider the girl child as a burden and not as an asset. Write an article for a magazine on 'Saving the Girl Child'. Take help from the hints provided. You are Neeraj Bhardwaj.

Hints

Value and worth of girl child

Female foeticide

One million girls killed every year

Boy-girl ratio getting imbalanced

Girls will simply vanish from the face of the Earth

Create awareness in society to put an end to this social evil

5.Write biographic of 2 famous people.

MATHS:
1. Write and learn tables from 1 to 20
2. Find the places for each of the digit for the followings
    1)258   2)952   3)458
3.Find the place value for each of the digit for the followings
    1)258   2)952   3)458
4. Draw the pie chart related to population in India (any)
5. Find the L.C.M, 24 and 28   32 and 36   42 and 44
6. Find the H.C.F, 24 and 28   32 and 36   42 and 44
7. Find the value of following
    $a2+b2+9$ at a=2 ,b=2   and $a2+b2+9$ at a=1 ,b=2
8. Make any five 2-d and 3-d shapes with card boards
9. Write prime numbers up to 100
10. Find the value of 'b'
    $a2+b2+9=6$ at a=2, b=?   And $a2+b2+9=1$ at a=? , b=2

SCIENCE:
1. Make a comparison and write down ways in which plant cells are different from animal cells.

 2. How is a prokaryotic cell different from a eukaryotic cell?

 3. What would happen if the plasma membrane ruptures or breaks down?

 4. What would happen to the life of a cell if there was no Golgi apparatus?

5. Which organelle is known as the powerhouse of the cell? Why?

 6. Where do the lipids and proteins constituting the cell membrane get synthesised?

 7. How does an Amoeba obtain its food?

 8. What is osmosis?

9. Carry out the following osmosis experiment: Take four peeled potato halves and scoos each one out to make potato cups. One of these potato cups should be made from a boiled potato. Put each potato cup in a trough containing water. Now,

(a) Keep cup A empty

(b) Put one teaspoon sugar in cup B

(c) Put one teaspoon salt in cup C

(d) Put one teaspoon sugar in the boiled potato cup D. Keep these for two hours. Then observe the four potato cups and answer the following:

 (i) Explain why water gathers in the hollowed portion of B and C.

(ii) Why is potato A necessary for this experiment?

 (iii) Explain why water does not gather in the hollowed out portions of A and D.

10. Which type of cell division is required for growth and repair of body and which type is involved in formation of gametes?

SOCIAL :

1. Explain the different types of sois in detail.

2. Explain the different forms of agriculture.

3. Explain the different types of government.

4. Learn and revise the completed modules.

5.Paste a political map of India in your notebook and locate and label all the states and union territories along with neighbouring countries.

6. Explain and write all 6 Fundamental Rights in detail.

7.Paste Physical (outline) map and locate and label the various types of soils found in India .

SANSKRIT:
1. खाद्धातुरुप लट्, लृट्, लड , लोट् , विधिलिंगेच लिखित्वा स्मरणंकुरु । (खाद् धातु पांचो लकारों में लिख कर याद करे)
2. 'किम्' शब्दरूप : (त्रीणि लिंगानि) लिखित्वा स्मरणंकुरु ।
(किम् के शब्दरूप तीनों लिंगों मेंलिखकर याद करो।)
3.'एतत् ' शब्दरूपः (त्रीणि लिड्गानि) लिखित्वा स्मरणंकुरु ।
(एतत् के शब्दरूप तीनों लिंगों मेंलिखकर याद करो।)
4. न्यूनतम 15 दैनिकजीवनस्य वस्तूनि नामानि चित्रंसहितम्संस्कृत भाषायाम्
लिख। (15 दैनिक जीवन की वस्तुओ के नाम चित्र सहित संस्कृत भाषा में लिखो।)
5. (5 पृष्ठ सुलेख संस्कृतेन लिखत।)   (संस्कृत में 5 पेज सुलेख लिखे)

6. श्रीमद् भगवद्गीतायाः कोऽपि पञ्च श्लोकाः लिखित्वा सस्वरं स्मरणंकुरु| (श्रीमद् भगवद्गीता से कोई 10 श्लोक लिखकर सस्वर याद करे)|

7. संस्कृत भाषायां छात्र प्रतिज्ञा लिखित्वा स्मरणंकुरु | (संस्कृत भाषामें छात्र प्रतिज्ञा लिख कर याद करे)

CLASS-9

HINDI:

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

2. ज्ञान की आँधी का भक्त के जीवन पर क्या प्रभाव पडता है ?

3. निम्न शब्दों से उपसर्ग व प्रत्यय छाँटकर लिखिए –
   भूखा, नमकीन , बुराई, महानता, कथाकार (प्रत्यय)
   अधखिला, अनजान, भरपेट, अनुचित, दुबला (उपसर्ग)

4. अपने स्वेच्छा से चित्र सहित एक कविता लिखिए ।

5. अनुच्छेद लिखिए - ऑनलाइन कक्षाएं और शिक्षा
   अथवा
   स्वच्छ भारत - स्वस्थ भारत

ENGLISH:
Paragraph writing:

1.Your school recently conducted annual function, Give a brief description of the program.

2.Write a short description of shivaji, the great maratha leader. You may use the following points-Born in 1627---in the hill fort of Shivner---father jagirdar—mother, Jijabai -religious lady…influenced by guru Ramdas…learnt horse riding, swimming, use of weapons at young age…won the fort of Toran, build strong fort at Durg… Killed Afzal Khan… Aurangzeb send shaista Khan but lost battle…became independent king…source of inspiration.

3.Write a description of sardar vallabhbhai Patel. You may use the hints:

Birth 31st October 1875, Nadia's, Gujrat… brought up in a countryside…influential leader…united 565 princly states…ordered to reconstruct Somnath Temple…health declined in 1950…died on December 15 1950…awarded Bharat ratna in 1991.

4.Write about a time when you were late for an important event. What lesson on punctuality did you learn? Write a descriptive paragraph on the above given situation in 100 to 120 words.

5.Write a letter to the editor of an English daily, making a plea to the common people to switch over to solar energy to conserve electricity and limit electricity bills.

6. Write a biographics of 2 famous people .

7.write a letter to the editor pointing out the issues with stray dogs and the harm they pose to human life.

8.imagine you have just returned home after an exhilarating school trip to a historical site. Write a Diary Entry describing your experiences, what you learned, and how the trip impacted you. Use 100-120 words.

MATHS:
Solve the below questions

1.Find five rational numbers between 3/5 and 4/5.

2. Find six rational numbers between 3 and 4.

3. Show how √2 can be represented on the number line

Show how √3 can be represented on the number line

4. Show how √5 can be represented on the number line

5. Write the following in decimal form and say what kind of decimal expansion each has :

   (i) 36/100   (ii) 3/13   (iii) 2/11

6. Express 0.99999…. in the form p/q .

7. Express the 0.2322323…….in the form p/q, where p and q are integers and q≠ 0.

8. Write the coefficients of x2 ,X and Constants in each of the following:

   i) 2+x2+x   (ii) 2–x2+x3   (i) 4x3+7x+2

9. Show how √9.3 can be represented on the number line

10. Find the value of the polynomial (x)=5x−4x2+3.

           (i) x = 0   (ii) x = − 1   (iii) x = 2

11. Draw the pie chart related to population in India (any).

SCIENCE:

Biology:
1. Make a comparison and write down ways in which plant cells are different from animal cells.

 2. How is a prokaryotic cell different from a eukaryotic cell?

 3. What would happen if the plasma membrane ruptures or breaks down?

 4. What would happen to the life of a cell if there was no Golgi apparatus?

5. Which organelle is known as the powerhouse of the cell? Why?

 6. Where do the lipids and proteins constituting the cell membrane get synthesised?

 7. How does an Amoeba obtain its food?

 8. What is osmosis?

9. Carry out the following osmosis experiment: Take four peeled potato halves and scoos each one out to make potato cups. One of these potato cups should be made from a boiled potato. Put each potato cup in a trough containing water. Now,

(a) Keep cup A empty

(b) Put one teaspoon sugar in cup B

(c) Put one teaspoon salt in cup C

(d) Put one teaspoon sugar in the boiled potato cup D. Keep these for two hours. Then observe the four potato cups and answer the following:

 (i) Explain why water gathers in the hollowed portion of B and C.

(ii) Why is potato A necessary for this experiment?

 (iii) Explain why water does not gather in the hollowed out portions of A and D.

10. Which type of cell division is required for growth and repair of body and which type is involved in formation of gametes?

Chemistry:

Q1. The mass per unit volume of a substance is called density. (density = mass/volume).
Arrange the following in order of increasing density: air, exhaust from chimneys, honey, water, chalk, cotton and iron.

Q2. (a) Tabulate the differences in the characteristics of states of matter.
(b) Comment upon the following: rigidity, compressibility, fluidity, filling a gas container, shape, kinetic energy and density.

Q3. Give reasons
(a) A gas fills completely the vessel in which it is kept.
(b) A gas exerts pressure on the walls of the container.
(c) A wooden table should be called a solid.
(d) We can easily move our hand in air but to do the same through a solid block of wood we need a karate expert.

Q4. Liquids generally have lower density as compared to solids. But you must have observed that ice floats on water. Find out why.

Q5. Give reasons for the following observation:
The smell of hot sizzling food reaches you several meters away, but to get the smell from cold food you have to go close.

Q6. A diver is able to cut through water in a swimming pool. Which property of matter does this observation show?

Q7. Explain how the rate of evaporation of a liquid is affected with:

- Increase in temperature of the liquid.
- Decrease in exposed surface area.
- Increase in moisture in the surrounding air.

- Increase in wind speed.

Q8. How does evaporation differ from boiling?

Q9. Comment on the following statements:
(a) Evaporation causes cooling.
(b) Rate of evaporation of an aqueous solution decreases with increase in humidity.
(c) Sponge though compressible is a solid.
(d) Ice is solid at 0°C, while water is liquid at room temperature.
(e) Sugar crystals dissolve faster in hot water than cold water.

Q10. Write about any Indian scientist briefly?

SOCIAL:
1. Make a project on any one of the following disaster management topic.

(a) drought

(b) cyclone

(c) land degradation

(d) Flood

(Do this in a project file,15-16 pages on A4 sheets.)

2. Make and write ten questions and answers of one mark (one word or one sentence) of each lesson completed.

3. Learn and revise all the completed chapters.

4. Do map practice of History and Geography.

5. Write and Learn glossary of 1st, 2nd and 3rd chapter of civics.

6. Write in detail about the circumstances that led to the outbreak of revolutionary protest in France.

7.Paste India's political map in your notebook and locate and label all states and union territories in it, practice the same atleast 5 times

SANSKRIT:
1. कृ धातु रुप लट्, लृट्, लङ , लोट् , विधिलिंगेच लिखित्वा स्मरणंकुरु । (खाद् धातु पांचो लकारों में लिख कर याद करे)
2. 'किम्' शब्दरूप : (त्रीणि लिंगानि) लिखित्वा स्मरणंकुरु ।
(किम् के शब्दरूप तीनों लिंगों मेंलिखकर याद करो।)
3.'एतत् ' शब्दरूपः (त्रीणि लिङ्गानि) लिखित्वा स्मरणंकुरु ।
(एतत् के शब्दरूप तीनों लिंगों मेंलिखकर याद करो।)
4. न्यूनतम 15 दैनिकजीवनस्य वस्तूनि नामानि चित्रंसहितम्संस्कृत भाषायाम्
लिख। (15 दैनिक जीवन की वस्तुओ के नाम चित्र सहित संस्कृत भाषा में लिखो।)
5. श्रीमद् भगवद्गीताया: कोअपि पञ्च श्लोका: लिखित्वा सस्वरं स्मरणंकुरु| (श्रीमद् भगवद्गीता से कोई 10 श्लोक लिखकर सस्वर याद करे)|

6. संस्कृत भाषायां छात्र प्रतिज्ञा लिखित्वा स्मरणंकुरु | (संस्कृत भाषामें छात्र प्रतिज्ञा लिख कर याद करे) |

8. आगामी परीक्षा के लिए पाठ 1 व 2 याद करे |

CLASS-10

HINDI:

1. सेनानी न होते हुए भी लोग चश्मे वाले को कैप्टन क्यों कहते थे ?

2. अनुच्छेद लिखिए --- सुरक्षित पर्यावरण   अथवा

   . स्वच्छ धरती, सुंदर जीवन

3. आपके पडौस 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 ।

4. '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 उनमें आए शब्दों का परिचय बताइए ।

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

ENGLISH:
1. Read 4 unseen and un solved passages and write answers.2. Solve 4 Case based un comprehension passages.
3.Write 2 letters to the editor of any news papers.
  A About increasing pollution and its impact on people.
  B.About road rage in cities and measures to taken.
4 Write to the manager SS electronics placing order to supply electronic it's such fans tuble lights. ACs ,and computers for you school.
5 Write a letter to Jyothi book depot asking yo supply some reference books to class X and xii cbse on every subject.
6 You have purchased LG washing machine one mint back but it stopped working after a month.Since you have 5 years warranty. Write a complaint letter asking them to replace it.
7 Write an article on the following.
   Need of wild life conservation.
   Need for improvement of literacy.
Read any book written by aDr APJ Abdul Kalam and pick up good and useful words
Write book review on it.

MATHS:
1) Real Numbers Exercises and Examples
2) Polynomials Exercises and Examples

SCIENCE:

Biology:
1. What are the components of the transport system in human beings? What are the functions of these components?

 2. Why is it necessary to separate oxygenated and deoxygenated blood in mammals and birds?

 3. What are the components of the transport system in highly organised plants?

 4. How are water and minerals transported in plants?

5. How is food transported in plants?

6. Describe the structure and functioning of nephrons.

7. What are the methods used by plants to get rid of excretory products?

8. How is the amount of urine produced regulated?

9. What would be the consequences of a deficiency of haemoglobin in our bodies?

10. Describe double circulation in human beings. Why is it necessary?

11. What are the differences between the transport of materials in xylem and phloem?

12. Compare the functioning of alveoli in the lungs and nephrons in the kidneys with respect to their structure and functioning.

13 The kidneys in human beings are a part of the system for

(a) nutrition.

(b) respiration.

(c) excretion.

(d) transportation.

14). The xylem in plants are responsible for

(a) transport of water.

(b) transport of food.

(c) transport of amino acids

d)transport of oxygen

Chemistry:

1. (a) Define a balanced chemical equation. Why should an equation be balanced?
   - Write the balanced chemical equation for the following reaction:
   (i) Phosphorus burns in presence of chlorine to form phosphorus penta chloride.
   (ii) Burning of natural gas.
   (iii) The process of respiration.
2. (a) Explain two ways by which food industries prevent rancidity.
   - Discuss the importance of decomposition reaction in metal industry with three points.
3. (a) Write one example for each of decomposion reaction carried out with help of
   (i) Electricity (ii) Heat (iii) Light
   - Which of the following statements is correct and why copper can displace silver from silver nitrate and silver can displace copper from copper sulphate solution.
4. What happens when a piece of
   (a) Zinc metal is added to copper suphste solution?
   (b) Aluminium metal is added to dilute hydrochloric acid?
   (c) Silver metal is added to copper sulphate solution?
Also write the balanced chemical equation if the reaction occurs.
5. On heating blue coloured powder of copper (II) nitrate in a boiling tube , copper oxide (black), oxygen

gas and a brown gas X is formed.
(a) Write a balanced chemical equation of the reaction
(b) Identify the brown gas x evolved.
(c) Identify the type of reaction
(d) What could be the pH range of aqueous solution of the gas x?

6. On adding a drop of barium chloride solution to an aqueous solution of sodium sulphate, white precipitate is obtained.
(a) Write the balanced chemical equation of the reaction involved.
(b) What other name can be given to this precipitation reaction?
(c) On adding diute hydrochloric acid to the reaction mixture, white precipitate disappears. Why?

7. You are provided with two containers made up of copper and aluminium. You are aso provided with solutions of dilute HCl, dilute HNO3, ZnCl2 and H2O. In which of the above containers of these solutions can be kept?

Competency Based Questions

8. A student took 2-3 g of a substance X in a glass beaker & poured water over it slowly. He observed bubbles along with hissing noise. The beaker becomes quite hot. Identify X. What type of reaction is it?

9. A student has mixed the solutions of lead (II) nitrate and potassium iodide,

- What was the colour of the precipitate formed? Can you name the compound precipitated?

- Write the balanced chemical equation for this reaction,
- What type of reaction is it?

10. Bhawana took a pale green substance A in a test tube, and heated it over the flame of a burner. A brown coloured residue B was formed along with evolution of two gases with burning smell of sulphur. Identify A & B. Write the chemical reaction involved.

SOCIAL:

1. Make a project on any one of the following (In A4 size paper file)

(a) Sustainable Development

(b) Consumers Awareness

(c) Social Issues

2. Make and write ten questions and answers of one mark (one word or one sentence) H-1 rise of nationalism in Europe, C-1 power sharing, E-1 Development, G-1 Resources and Development

3. Read English newspaper daily related to political parties, election, democracy and paste any 15 article related to it.

4.. Make and write ten questions and answers of one marks(one word or one sentence) of each lesson completed.

5.Learn and revise all the completed chapters.

6 .Do map practice of history and Geography.

7.Write and learn Glossary of 1st, 2nd, 3rd chapter of civics.

8.Paste India's political map in your notebook and locate and label all States and Union Territories.

निर्देश:-सभी विद्यार्थी ग्रीष्मकालीन अवकाश कार्य संस्कृत कॉपी में करेंगे।

1.मातुः अस्वस्थता विषये प्राचार्ये प्रति एकं पत्रं लिखत।

2.स्था , हस् धातुः च पञ्चलकारानां रूप लिखित।(लट्, लृट्, लोट्,लङ्, च विधिलिङ्ग)

3.संधि विच्छेदं कुरुत -

विद्यालयं, सदैव, परोपकार, गिरीश, स्वागतम्।

4. पर्यावरणस्य महत्त्वस्य विषये संस्कृते निबंधः लिखत ।

5. "यत्" , "एतत्" च ' शब्दरूपाणि लिखत।

6. कस्य द्वयोः विषयोः चित्रवर्णनं कुरुत-

 1.पुस्तकालयस्य चित्रं   2. विद्यालयस्य चित्रं   3. रक्षाबंधनपर्वस्य चित्रं

7. अधोलिखितं अनुच्छेदं पठित्वा प्रश्नान् उत्तरत -

एकस्मिन् नगरे द्वे मित्रे वसतः स्म ।   एकस्य नाम सोमेशः आसीत् । अन्यस्य नाम धनेशः आसीत् । सोमेशः विद्यां इच्छति स्म । धनेशः प्रभूतं धनं इच्छति स्म । एकदा मित्रद्वयं विदेशं अगच्छत् ।   तत्र सोमेशः परिश्रमेण अध्ययनं कृत्वा विद्यां   प्राप्तवान् । धनेशः   बहु- धनसङ्ग्रहं कृतवान् । एवं अनेकानि वर्षाणि व्यतीतानि । तौ अचिन्तयतां - 'अधुना आवां गृहं गच्छावः"। गृहं प्रति आगमनसमये मार्गे चौराः आगच्छन् । ते धनेशस्य सर्वं धनं अहरन् । धनेशः   दुःखी अभवत् । सः रिक्तहस्तः गृहं आगच्छत् । परन्तु सोमेशः विद्याधनयुक्तः आसीत् । विद्याधनेन युक्तः सः शीघ्रमेव अतीप्रसिद्धः अभवत् । राजा तस्य संमानं कृत्वा मन्त्रिपदं अपि अयच्छत् । अत एव उच्यते - “ विद्या   एव   सर्वत्र पूज्यते ।"

(I)एकपदेन   उत्तरत -

1. एकस्मिन् नगरे   के वसतः स्म?

 2. कः प्रभूतं धनं इच्छति स्म?

(II) पूर्णवाक्येन उत्तरत-

1. गृहं प्रति   आगमनसमये मार्गे   के   आगच्छन्?

2.विद्याधनेन युक्तः सः शीघ्रमेव कीदृशः अभवत्?

(III) निर्देशानुसारं उतरत -

1." अप्रसिद्ध: " इति पदस्य विलोमपदं किं प्रयुक्तम् ?

2." बहुधनम् " इति अर्थे किं पदं प्रयुक्तम् ?

[11:00 am, 30/4/2025] Arti Mam: ग्रीष्मावकाश गृहकार्यम्

कक्षा- नवमी । विषय संस्कृतम्

1. कृ धातु रुप लट्, लृट्, लड , लोट् , विधिलिंगेच लिखित्वा स्मरणंकुरु । (खाद् धातु पांचो लकारों में लिख कर याद करे)

2. 'किम्' शब्दरूप : (त्रीणि लिंगानि) लिखित्वा स्मरणंकुरु ।

(किम् के शब्दरूप तीनों लिंगों मेंलिखकर याद करो।)

3.'एतत् ' शब्दरूपः (त्रीणि लिङ्गानि) लिखित्वा स्मरणंकुरु ।

(एतत् के शब्दरूप तीनों लिंगों मेंलिखकर याद करो।)

4. न्यूनतम 15 दैनिकजीवनस्य वस्तूनि नामानि चित्रंसहितम्संस्कृत भाषायाम्

लिख। (15 दैनिक जीवन की वस्तुओ के नाम चित्र सहित संस्कृत भाषा में लिखो।)

5. श्रीमद् भगवद्गीताया: कोअपि पञ्च श्लोका: लिखित्वा सस्वरं स्मरणंकुरु| (श्रीमद् भगवद्गीता से कोई 10 श्लोक लिखकर सस्वर याद करे)|

6. संस्कृत भाषायां छात्र प्रतिज्ञा लिखित्वा स्मरणंकुरु |(संस्कृत भाषामें छात्र प्रतिज्ञा लिख कर याद करे) |

8. आगामी परीक्षा के लिए पाठ 1 व 2 याद करे |

AI:
1. What do you mean by Self-management
2. Give any two examples where small amount of stress is helpful.
3. Write the effects of stress on our life.
4. What is Stress?
5. How can you identify your Strengths and Weaknesses?
6. Explain the importance of Stress Management.
7. Write different of Stress Management techniques.
8. Write down different stress cause agents.
9. What are the communication barriers?
10. What are the different types of communication?
11. What are the 7 C's in communication?
12. What is the feedback?
13. What are the domains of AI?
14. What is the difference between AI, ML, Deep Learning?
15. Define the following.

   ➢ Self- Motivation
   ➢ Self- Awareness
   ➢ Self Regulation

CLASS-12

HINDI:

1.बाजार दर्शन पाठ के आधार पर गतिविधि तैयार कीजिए|

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 और सुझाव देते हुए नगर पालिका के अध्यक्ष को पत्र लिखिए|

1. जन संचार के माध्यमों की पांच विशेषताएं बताते हुए किन्हीं तीन के चित्र बनाइए|

2. हरिवंश राय बच्चन की एक कविता लिखिए |

ENGLISH:

1 Answer any comprehension passage in cbsc lattest pattern.
2 write alrtter to the editor on the follow topic
A. Need for women empowerment.
Inresasing dlumd in metro cities and its impact on the city people.
3 write a job application for the post civil engineer in DS construction.
4.writr an article on the following
  Killing of girl child
Tourism.anf it's promotion
5.eriye two notices
6Collect variety of invitations and paste them in note book and write any 2 invitations.
Write a report on any road accident.

MATHS:

1) Relations and Functions all Exercise
2) Inverse trigonometric functions

SCIENCE:

Biology:

1. What do you think is the significance of reproductive health in a society?

2. Suggest the aspects of reproductive health which need to be given special attention in the present scenario.

3. Is sex education necessary in schools? Why?

 4. Do you think that reproductive health in our country has improved in the past 50 years? If yes, mention some such areas of improvement.

5. What are the suggested reasons for population explosion?

6. Is the use of contraceptives justified? Give reasons.

7. Removal of gonads cannot be considered as a contraceptive option. Why?

8. Amniocentesis for sex determination is banned in our country. Is this ban necessary? Comment.

9. Suggest some methods to assist infertile couples to have children.

10. What are the measures one has to take to prevent from contracting STDs?

11. State True/False with explanation

(a) Abortions could happen spontaneously too. (True/False)

(b) Infertility is defined as the inability to produce a viable offspring and is always due to abnormalities/defects in the female partner. (True/False)

(c) Complete lactation could help as a natural method of contraception. (True/False)

(d) Creating awareness about sex related aspects is an effective method to improve reproductive health of the people. (True/False)

12. Correct the following statements :

(a) Surgical methods of contraception prevent gamete formation.

(b) All sexually transmitted diseases are completely curable.

(c)Oral pills are very popular contraceptives among the rural women.

(d) In E. T. techniques, embryos are always transferred into the uterus.

Chemistry:
Long Type Questions:

Que1 : Calculate molality of 2.5g ethanoic acid (CH_3COOH) in 75g of Benzene.

Que2 : A solution of glucose in water is labelled as 10% by weight. What would be the molality of the

solution. Que : Why are aquatic species more comfortable in cold water in comparison to warm

water ?   (2024)

Que3 : Gas (A) is more soluble in water than gas (B) at same temperature. Which one of the two gases have higher value of KH (Henry's constant) and why?

Que4 : State Rault's law for a solution containing volatile components. Write two characteristics of solution which obeys Rault's law at all concentration.

Que5 : How does Rault's law become a special case of Henry's law?
Que6 : The vapour pressure of pure liquid 'X' and pure liquid 'Y' at 25 °C are 120 mmHg and 160 mmHg respectively. If equal moles of X and Y are mixed to form an ideal solution, calculate the vapour pressure of the solution.

                                                                                                    (2024)

Que : A solution containing 2 g of glucose (M = 180 g mol-1) in 100 g of water is prepared at 303 K. If the vapour pressure of pure water at 303 K is 32.8 mm Hg, what would be the vapour pressure of the solution ?

Que7 : Write two differences between ideal solutions and non- ideal

solutions. Que : Define ideal solution.   (2024)

Que7.1 : Which of the following pairs will not form an ideal solution:

   a) Benzene and Toluene
   b) N-Hexane and n-heptane
   c) Ethanol and Acetone
   d) Bromoethane and Chloroethane

Que8 : What type of deviation is shown by a mixture of ethanol and acetone? Give reason.

Que9 : What type of deviation from Rault's law is shown by a mixture of ethanol and acetone?

Give reason. Que10 : Define Azeotropes.

Que11 : Define Azeotropes. What type of azeotrope is formed by negative deviation from Rault's law? Give reason.

Que12 : In a non-ideal solution what type of deviation is shows the formation of maximum boiling azeotropes.
Que13 : Identify which liquid will have a higher vapour pressure at 90°C if the boiling points of two liquids A and B are 140°C and 180°C respectively.

Que14 : 30 g of urea (M = 60 g/mol) dissolved in 846 g of water. Calculate the vapour pressure of water for this solution if vapour pressure of pure water at 298 K is 23.8 mm Hg.

Que15 : Vapour pressure of water at 20 °C is 17.5 mmHg. Calculate the vapour pressure of water at 20 °C when 15g of glucose (Molar mass=180 g/mol) is dissolved in 150g of water.

Que16 : Define Molal Elevation Constant (Kb).   (2024)
Que : Calculate the molar mass of a compound when 6.3 g of it is dissolved in 27 g of chloroform to form a solution that has a boiling point of 68.04 °C. The boiling point of pure chloroform is 61.04 °C and Kb for chloroform is 3.36 °C kg mol-1.

Que17 : Calculate the mass of ascorbic acid (Vitamin C-C6H8O6) to be dissolved in 75g of acetic acid to lower its boiling point by 1.5°C. Given [Kb=3.9 Kkg/mol].

Que18 : Calculate the boiling point of the solution when 4g of MgSO4 (Molar mass=120 g/mol) was dissolved in 100g of water assuming MgSO4 undergoes complete ionization. [Kb for water=0.52 Kkg/mol].

Que19 : Visha took two aqueous solution, one containing 7.5g of urea (Molar Mass = 60g/mol) and the other containing
42.75g of substance 'Z' in 100g of water respectively. It was observed that both the solution froze at
the same temperature. Calculate the molar mass of 'Z'.

Que20 : A 4% solution (w/w) of sucrose (M=342 g/mol) in water has a freezing point of 5% glucose (M=180 g/mol) in water. Given freezing point of pure water is 273.15 k.

Que21 : A 10% solution (by mass) of sucrose in water has a freezing point of 269.15 k. Calculate the freezing point of 10% glucose in water if the freezing point of pure water is 273.15 k.

Que22 : When 19.5 of F-CH2-COOH (molar mass=78 g/mol) is dissolved in 500g of water, the depression in freezing point is observed to be 1°C. Calculate the degree of dissociation of F-CH2-COOH. (Given Kf for pure water=1.86 K kg mol-1).(2024)

Que23 : Calculate the mass of CaCl2 (molar mass = 111 g mol-1) to be dissolved in 500 g of water to lower its freezing point by 2K, assuming that CaCl2 undergoes complete dissociation. (Kf for pure water=1.86 K kg mol-1).

Que24 : For 5% solution of urea (Molar Mass = 60g/mol). Calculate the osmotic pressure at 300k. (Given [R=0.0821 Latm/k/mol).

Que25 : A solution containing 15g of urea (molar mass=60 g/mol) per litre of solution in water has the same osmotic pressure (isotonic) as a solution of glucose (molar mass=180 g/mol) in water in one litre of its solution.

Que26 : What happen when we place blood cells in saline water solution (Hypertonic solution). Give reason.

Que27 : Give reason why:

a) Measuring of osmotic pressure method is preferred for determination of molar mass of macromolecules such as protein and polymers
b) Aquatic animals are more comfortable in cold water than warm water
c) Elevation of boiling point of 1M KCl solution is nearly double than that of 1M of sugar

solution.

Que28 : Give reason why:

d) Measuring of osmotic pressure method is preferred for determination of molar mass of macromolecules such as protein and polymers
e) Aquatic animals are more comfortable in cold water than warm water
f) Elevation of boiling point of 1M KCl solution is nearly double than that of 1M of sugar

solution.

Que29 : If benzoic acid (M=122 g/mol) is associated into a dimer when dissolved in benzene and the osmotic pressure of solution of 6.1g of benzoic acid in 100mL benzene is 6.5 atm at 27 °C, then what is the percentage association of benzoic acid? . (Given [R=0.0821 Latm/k/mol).

Que : Define reverse osmosis.(2024)

COMPUTER SCIENCE:

1. Write a Python function to find the maximum of three numbers.

2. Write a Python function to sum all the numbers in a list.
   Sample List : (8, 2, 3, 0, 7)
   Expected Output : 20

3. Write a Python function to multiply all the numbers in a list.
   Sample List : (8, 2, 3, -1, 7)
   Expected Output : -336

4. 4. Write a Python program to reverse a string.
   Sample String : "1234abcd"
   Expected Output : "dcba4321"

5. 5. Write a Python function to calculate the factorial of a number (a non-negative integer). The function accepts the number as an argument.

6. 6. Write a Python function to check whether a number falls within a given range.

7. 7. Write a Python function that accepts a string and counts the number of upper and lower case letters.
   Sample String : 'The quick Brow Fox'
   Expected Output :
   No. of Upper case characters : 3
   No. of Lower case Characters : 12

8. 8. Write a Python function that takes a list and returns a new list with distinct elements from the first list.
   Sample List : [1,2,3,3,3,3,4,5]
   Unique List : [1, 2, 3, 4, 5]

9. 9. Write a Python function that takes a number as a parameter and checks whether the number is prime or not.
   Note : A prime number (or a prime) is a natural number greater than 1 and that has no positive divisors other than 1 and itself.

10. 10. Write a Python program to print the even numbers from a given list.
    Sample List : [1, 2, 3, 4, 5, 6, 7, 8, 9]
    Expected Result : [2, 4, 6, 8]

11. 11. Write a Python function to check whether a number is "Perfect" or not.
    According to Wikipedia : In number theory, a perfect number is a positive integer that is equal to the sum of its proper positive divisors, that is, the sum of its positive divisors excluding the number itself (also known as its aliquot sum). Equivalently, a perfect number is a number that is half the sum of all of its positive divisors (including itself).
    Example : The first perfect number is 6, because 1, 2, and 3 are its proper positive divisors, and 1 + 2 + 3 = 6. Equivalently, the number 6 is equal to half the sum of all its positive divisors: (1 + 2 + 3 + 6) / 2 = 6. The next perfect number is 28 = 1 + 2 + 4 + 7 + 14. This is followed by the perfect numbers 496 and 8128.

12. 12. Write a Python function that checks whether a passed string is a palindrome or not.
    Note: A palindrome is a word, phrase, or sequence that reads the same backward as forward, e.g., madam

or nurses run.

13. 13. Write a Python function that prints out the first n rows of Pascal's triangle.
    Note : Pascal's triangle is an arithmetic and geometric figure first imagined by Blaise Pascal.

14. 14. Write a Python function to check whether a string is a pangram or not.
    Note : Pangrams are words or sentences containing every letter of the alphabet at least once.
    For example : "The quick brown fox jumps over the lazy dog"

15. 15. Write a Python program that accepts a hyphen-separated sequence of words as input and prints the words in a hyphen-separated sequence after sorting them alphabetically.
    Sample Items : green-red-yellow-black-white
    Expected Result : black-green-red-white-yellow

PART-B

16. Count the number of vowels in a string
17. Count the number of words in a string
18. Check whether a string is a palindrome
19. Reverse a string without using slicing or [::-1]
20. Remove all punctuation from a string
21. Convert a string to uppercase and lowercase
22. Find the frequency of each character in a string
23. Replace a word in a string with another word
24. Check if two strings are anagrams of each other
25. Count the number of digits, letters, and special characters in a string
26. Find the longest word in a sentence
27. Capitalize the first letter of each word in a string
28. Remove duplicate characters from a string
29. Check whether a substring exists in a given string
30. Print each word of a string on a new line

PART-C

1. Find the sum and average of elements in a list
2. Find the maximum and minimum elements in a list
3. Count even and odd numbers in a list
4. Search for an element in a list (linear search)
5. Remove all duplicate elements from a list
6. Sort a list in ascending and descending order (without using sort())
7. Merge two lists into one
8. Find the second largest number in a list
9. Create a list of squares/cubes of numbers from 1 to N
10. Remove all even numbers from a list
11. Insert an element at a given position in a list
12. Reverse a list without using reverse() function

13. Count the frequency of each element in a list
14. Display only unique elements from a list
15. Create a list from user input and display the sum of only positive numbers

PART-D

1. Create a dictionary and display its elements
2. Add a new key-value pair to an existing dictionary
3. Update the value of an existing key in a dictionary
4. Delete a key-value pair from a dictionary
5. Check if a key exists in a dictionary
6. Display all keys, all values, and all key-value pairs separately
7. Find the value associated with a given key
8. Create a dictionary from two lists (one for keys, one for values)
9. Count the frequency of each character in a string using a dictionary
10. Count the frequency of words in a sentence using a dictionary
11. Find the key with the maximum value in a dictionary
12. Sort a dictionary by keys or by values
13. Merge two dictionaries into one
14. Create a nested dictionary (example: student records with roll number as key)
15. Write a program to find the sum of all values in a dictionary.