Music

1. विद्यालय प्रार्थना याद करनी है।

2. राष्ट्रगान याद करना है।

3. विद्यालय प्रतिज्ञा हिंदी और इंग्लिश दोनों में याद करनी है।

4. राजस्थानी , हरयाणवी, पंजाबी या किसी और भाषा मे डांस तैयार करके भेजनी हैं|

5 अपनी पसंद का कोई भी 1 एक देशभक्ति गाना याद करना हैं और उसकी विडियो सेंड करनी हैं, विडियो किसी और भी भाषा मे हो सकती हैं.

हिन्दी

1.कविता याद करें:-

   क. पतंग

   ख. बंदर गया खेत में भाग

   ग.   चकई के चकदुम

2.पाठ पढ़े व याद करें

   क. गेंद- बल्ला

   ख. एक बुढ़िया

   ग. लालू और पीलू

3.अपनी मनपसंद से निम्नलिखित में से किसी एक पर चार्ट पेपर पर चित्र बनाएँ या चिपकाए

   क. रसोईघर में उपस्थित सामान

   ख. साखाहारी या मांसाहारी जानवरों के चित्र

   ग. खेल कूद का सामान

EVS
1. Write and learn 5 good habits.
2. Write names of seasonal fruits and vegetables you eat in winters.
3. Cut and paste any 5 animal photos and write their sounds, names of their young ones, and what they eat.

4. Make a christmas tree with the help of your parents
5. Make a pencil holder using waste products

ENGLISH

1. One-page handwriting daily.
2. English reading daily
3. Make x-mas and new year card with the help of parents.

MATHS

1) Write and learn numbers name 1 to 20
2) do page no. 80 of math's book
3) write 1 to 10 numbers and paste match sticks according to numbers.
4) Compare two objects in your house according to shorter and longer. eg.

Shorter	longer
Sharpener	pencil

Class 2 (Homework)

Music

1. विद्यालय प्रार्थना याद करनी है।

2. राष्ट्रगान याद करना है।

3. विद्यालय प्रतिज्ञा हिंदी और इंग्लिश दोनों में याद करनी है।

4. राजस्थानी , हरयाणवी, पंजाबी या किसी और भाषा मे डांस तैयार करके भेजनी हैं|

5 अपनी पसंद का कोई भी 1 एक देशभक्ति गाना याद करना हैं और उसकी विडियो सेंड करनी हैं, विडियो किसी भी भाषा मे हो सकती हैं.

English

1. Read daily one page of your textbook.
2. Practice 1-page cursive handwriting daily.
3. Learn unit 6,7,8
4. Write names of seasonal fruits and vegetables you eat in winters.
5. Read moral stories in English.
6. Write 5 new words daily.
7. Make a Christmas tree with the help of your parents.
8. Make a wall hanging using waste products.

EVS

1.Paste Pictures of Seasons in Your Notebook.

2.Paste Pictures of Clothes We Wear in Different Seasons.

3.Make X-Mas & New Year Card.

4.Learn All Your Class Work.

Maths:-

1. Draw some pictures using standing, slanting, sleeping and curved lines (pg. no. 89 math magic)

2. Do 15 sums of addition and subtraction

3. Learn and write tables 1 to 15.

4. Learn number name 1 to 100

5. Make any one Rangoli or design using dots and lines.

Hindi: -

1. पांच बार वर्णमाला लिखो ।

2. दो वर्ण वाले दस शब्द लिखना जैसे - राजा नल ।

3. तीन वर्ण वाले दस शब्द लिखना जैसे -मटर ।

4. चार वर्ण वाले दस शब्द लिखना जैसे - नटखट ।

5. बाघ का मुखौटा बनाना ।

6. एक्की दुक्की पाठ पढ़ना और प्रश्न उत्तर याद करना ।

Class 3 (Homework)

Music

1. विद्यालय प्रार्थना याद करनी है।

2. राष्ट्रगान याद करना है।

3. विद्यालय प्रतिज्ञा हिंदी और इंग्लिश दोनों में याद करनी है।

4. राजस्थानी , हरयाणवी, पंजाबी या किसी और भाषा मे डांस तैयार करके भेजनी हैं|

5 अपनी पसंद का कोई भी 1 एक देशभक्ति गाना याद करना हैं और उसकी विडियो सेंड करनी हैं, विडियो किसी और भी भाषा मे हो सकती हैं.

Maths

1. Learn table 2 to 15.

 2. Revise chapter – i) who is heavier? Ii) how may times iii) jugs & mugs .

3. Do exercise on page 154 to 159 in maths book.

Hindi

1. दस विलोम शब्द, लिंग याद करो व लिखो
2. प्रतिदिन एक पाठ पढना
3. डॉ. अब्दुल कलम पर पाँच वाक्य लिखो
4. होली पर पाँच वाक्य लिखो
5. पाठ 9 से 12 के प्रश्न उत्तर याद करना

EVS

1. Write a letter to your friend living in other city to wish him/her on his/her birthday on a post card.
2. Draw the picture of any five animals of your choice and write the food item they eat.
3. Beside drinking how is water used in your house. Draw picture to show.
4. Take a piece of cloth, decorate it with mirrors, laces etc. and paste on A4 sheet.

English

1) Read stories on different types of animals.
2) Write a letter to your friend asking him or her to spend vacations with you.
3) Read unit 8 of your textbook.

4) Write 20 new words along with their meaning.
5) Draw a Christmas tree and write 5 lines on the festival Christmas.
6) Solve 2 unseen passages.

Computer

EXERCISES

A. Tick (✓) the correct answers.

1. How many parts does a CPU have?

a. Three   b. Four   c. Five

2. Which of the following is not a type of monitor?

a. CCT   b. CRT   C. LED

3. Which of the following is a storage device?

a. Keyboard   b. Monitor   c. Pen drive

4. In which form does the printer provide the output?

a. Soft copy   b. Hard copy   c. Pen drive

B. Fill in the blanks.

Hard disk   ALU   CU   computer peripherals

1._____controls the functioning of all parts of a computer.

2._____ does all the arithmetic calculations, like addition, multiplication, subtraction, and division.

3. Input and Output devices are also known as_____

4._____ is a built-in storage device in a computer.

C. Write T for True and F for False.

1. CPU is known as the brain of a computer._____
2. LED monitors consume more power._____
3. A ball mouse uses a ball for the movement of mouse pointer_____.
4. A headset has a microphone attached to it._____

Class 4 (Homework)

Music

1. विद्यालय प्रार्थना याद करनी है।

2. राष्ट्रगान याद करना है।

3. विद्यालय प्रतिज्ञा हिंदी और इंगलश दोनों में याद करनी है।

4. राजस्थानी, हरियाणवी, पंजाबी या और किसी भी भाषा में एक डाॅंस तैयार करके उसकी विडियो सेंड करनी है।

5 अपनी पसंद का कोई भी एक देशभक्ति गाना याद करना है और उसकी विडियो सेंड करनी है।

6. भारत के 8 शास्त्रीय नृत्य के नाम लिखे व याद करें और उनकी फोटो चिपकाए।

7. भारत के विभिन्न राज्यों के विभिन्न लोक नृत्य के नाम लिखें और उनकी फोटो चिपकाए।

8. विभिन्न म्यूजिकल इंस्ट्रूमेंट्स की फोटो चिपकाए और उनके नाम लिखें।

Computer

A. Tick () the correct answers.
 1. A pointing device that has an LED light in its body is
a Light Pen.   b. Mouse. c Keyboard.

2. Which of the following shows the output?

a Monitor   b. Pen drive c. Mouse

3.Which of the following is not an application software?

a.Operating System   b. MS Word   c.MS Paint

 4. Which part of the CPU does all the calculations?

a.ALU   b. MU   C CU

5. Which of the following is a type of general software?
a.Disk Cleanup   b. MS Word   c. Windows

Fill in the blanks.

LED   Control Unit   Operating system   Mechanical   Application software

1._____mouse is also known as a ball mouse.

2. The functioning of all the computer parts is managed by the_____ in the CPU.

3._____monitors are the latest type of monitors.

4. Windows is an example of an_____

5._____is designed to perform a particular task.

Answer the following questions.

1.Differentiat between hardware and software. Give two examples of each.

2.explain the different type of monitors

हिंदी

1. हिंदी विषय से संबंधित कोई 1 3D मॉडल बनाये।

2. किन्ही 10 मुहावरो का अर्थ एवम वाक्यो में प्रयोग करो।

3. प्रतिदिन 1 पाठ के पठन का अभ्यास करें।

4. नैतिक मूल्यों पर आधारित कहानी पढ़े।

5. अपने अवकाश के दौरान की गई गतिविधियों को संक्षिप्त में लिखो।

चित्रकला

1.अपनी कल्पना से जल संरक्षण या पेड़ बचाओ पर चित्र बनाएं|

2. अपनी कल्पना से एक मास्क और एक कोलाज बनाएं|

3. एक वेलकम कार्ड बनाएं|

4.अपनी पसंद का एक क्राफ्ट कार्य जिसमें अनुपयोगी वस्तुओं का उपयोग किया गया हो बनाएं जैसे प्लास्टिक की बोतल, गमला, कांच की बोतल आदि

5. प्रिंट मेकिंग से कोई भी सुंदर आकृति बनाएं|

EVS

1. Visit to any nearby park/garden and write five –ten lines about its beauty.
2. Make a poster on save trees.
3. On what occasions do you eat together with your friends or relatives? who cooked and served the food there?
4. How far are these from your house: -

	Minutes to walk	in kilometres

(1) Bus stop
(2) School
(3) Market
(4) Post office
(5) Hospital

learn to cook a new recipe from your mother and write the steps involved in preparing that recipe.

Help your mother in cooking and serving food at home.

Maths

1) draw any three pattern and colours it's.

2) do page no 102, 112,113,126 of your maths book

3) write five things that usually buy in grams ang kg.

Class 5 (Homework)

Music

1. विद्यालय प्रार्थना याद करनी है।

2. राष्ट्रगान याद करना है।

3. विद्यालय प्रतिज्ञा हिंदी और इंगलश दोनों में याद करनी है।

4. राजस्थानी, हरियाणवी, पंजाबी या और किसी भी भाषा में एक dance तैयार करके उसकी विडियो सेंड करनी है।

5 अपनी पसंद का कोई भी एक देशभक्ति गाना याद करना है और उसकी विडियो सेंड करनी है।

6. भारत के 8 शास्त्रीय नृत्य के नाम लिखे व याद करें और उनकी फोटो चिपकाए।

7. भारत के विभिन्न राज्यों के विभिन्न लोक नृत्य के नाम लिखें और उनकी फोटो चिपकाए।

8. विभिन्न म्यूजिकल इंस्ट्रूमेंट्स की फोटो चिपकाए और उनके नाम लिखें।

चित्रकला

1 अपनी कल्पना से जल संरक्षण या पेड़ बचाओ पर चित्र बनाएं

2 अपनी कल्पना से एक मास्क और एक कोलाज बनाएं

3 एक वेलकम कार्ड बनाएं

4 अपनी पसंद का एक क्राफ्ट कार्य जिसमें अनुपयोगी वस्तुओं का उपयोग किया गया हो बनाएं जैसे प्लास्टिक की बोतल ,गमला ,कांच की बोतल आदि

5 प्रिंट मेकिंग से कोई भी सुंदर आकृति बनाएं

EVS

1. Complete work in notebook if not done from chapter 11. Sunita in Space to Chapter 15. Blow Hot, Blow Cold.

2. Learn chapter 11. Sunita in Space to Chapter 15. Blow Hot, Blow Cold.

3. Do at least one project

   i. Seven Day recording time of sunrise and sunset

   ii. Last 6 months price of petrol and diesel per litre.

iii. Make a poster with message on saving fuel.

iv. Picture of different types of house in different part India.

v.List different types of Natural Calamity and paste their picture

ENGLISH

1. Read two moral story & practice it for story narration in the class.

2. Revise chapter: -

i) topsy-turvy land

ii) Gulliver's travels

iii) nobody's friend & little bully

3. Write & learn ten synonyms and antonyms each

Hindi

1. "पर्यावरण" पर 3 पेज लिखना |
2. बाघ का मुखौटा बनाना
3. मेरा प्रिय भोजन पर अनुच्छेद लिखना

इन्हें पढ़े –

1. बिशन की दिलेरी
2. पानी रे पानी
3. छोटी सी हमारी नदी
4. नदी का सफ़र

Maths

1. Make a 3D model on any topic of maths.
2. Revise chapter 8,9,10

3. Make a chart on any topic of maths using matchsticks ice-cream sticks etc.
4. Learn tables 12 to 25.

Computer

A. Tick the correct answers.
   1. Who invested Napier's bones?
      a. Charles babbage   b. John Napier   c. Leibniz
   2. This generation of computers used transistors as circuitry.
      a. First generation   b. Second generation   c. Fifth generation
   3. Which one of the following is not an example of mainframe computers?
      a. CRAY-1   b. IBM Z series   c. PDP 10
   4. Which of the following computer generation uses Artificial Intelligence?
      a. Second generation   b. Fourth Generation   c. Fifth generation
B. Answer the following question.
   1. What do you understand by abacus? Why do you think it is an important calculating device?
   2. Write any three features of first generation computers.

Class 6 (Homework)

कक्षा – षष्ठी   विषय – संस्कृत

1. गम् धातु ,पठ् धातु रूपाणि लट्लकारे ,लङ्लकारे ,लोट्लकारे ,लृट्लकारे विधिलिंङ्लकारे च स्मरन्तु|

2. राम, लता, बालिका, हरि, किम्(पुल्लिंग ,स्त्रीलिंग ,नपुंसकलिंग) स्मरन्तु|

3. द्वितियावधिक परीक्षाया: कृते निम्नलिखित पाठस्य अभ्यास्कार्यम स्मरन्तु -

   क - दशम: त्वमसि

   ख- पुष्पोत्सव:

   ग - कृषिका: कर्मवीरा:

   घ -क्रीडास्पर्धा:

   च -कारकं,शब्दरूपाणि, धातुरूपाणि

4.1-50 पर्यन्तं संकृत संख्या: स्मरन्तु|

5.परियोजनाकार्य (प्रोजेक्ट)- वृक्षा: पाठस्य चित्रपूर्वकं प्रदर्शनं कुर्वन्तु।

(Science)

Q.1. Prepare all the exercise questions from chapter 9 to13.

Q.2. Learn the summary from chapter 9to13.

Q.3. List the common characteristics of the living things.

Q.4. How are cactus adapted to survive in desert.

Q.5. Why could you not use an elastic measuring tape to measure distance? What would be some of the problems you would meet in telling someone about a distance you measured with an elastic tape.

Q.6. Write the similarities and differences between the motion of a bicycle and a ceiling fan that has been switched on.

Q.7. Question no.2 from the exercise questions in chapter 11.

Q.8. Why should an electrician use rubber gloves while repairing an electric switch at your home? Explain.

Q.9. Would the bulb glow after completing the circuit shown in fig. 12.14. If instead of safety pin we use an eraser?

Q.10. Write any two properties of a magnet?

Q.11. How is compass is used to find directions?

Work Experience

Objective- to know about electrical appliances, project work and to aware parents about safety precautions

Q.1) make a list of number of electrical appliances used in your home?
Q.2) make a list of appliances working on batteries or dc supply in your home?
Q.3) make a list of appliances working on AC mains power supply in your home?
Q.4) discuss about safety precautions while working on electrical system with your parents?
Q.5) collect electrical components as battery, motor etc. from e-waste at home and list out with their names and diagrams?
Q.6) identify and make a list of electrical components used in your home?
Q.7) Make any project out of these- Best out of waste theme like pan stand, Flower vase, File cover design, Art & Craft work.
                                        OR
Q.7) Make a simple electrical project virtually on website www.dcaclab.com
Q.8) Collect waste material from your house and make a project on the theme baste out of waste

शीतऋतु अवकाशकालीन गृहकार्य हिंदी कक्षा 6 दिसंबर (2020-21)
(अभ्यास पुस्तिका में)
- स्वर किसे कहते हैं सभी स्वरों को लिखो।
- व्यंजन किसे कहते हैं सभी व्यंजनों को लिखो।
- वर्णमाला किसे कहते हैं सविस्तार वर्णन करें।
- उपसर्ग किसे कहते हैं 10 उपसर्ग से दो दो शब्द बनाओ।
- प्रत्यय किसे कहते हैं 10 प्रत्यय से दो दो शब्द बनाओ।
- वाक्य किसे कहते हैं अर्थ के आधार पर वाक्य के भेद लिखो।
- अपने बारे में एक अनुच्छेद लिखें।
(चार्ट पेपर पर बनाओ)
- संज्ञा किसे कहते हैं संज्ञा के भेद लिखो।
- सर्वनाम किसे कहते हैं सर्वनाम के भेद लिखो।
- विशेषण किसे कहते हैं विशेषण के भेद लिखो।
- क्रिया किसे कहते हैं क्रिया के भेद लिखो और उनका वर्णन करो।

(कला शिक्षा)

1 अपनी कल्पना से किसी एक विषय पर A3 साइज की   शीट पर पेंटिंग बनाएं

2 एक कोलाज बनाएं

3 प्रिंट मेकिंग से एक डिजाइन बनाएं

4 पेंसिल की सहायता से शेडिंग करें

5 एक कैलीग्राफी आर्ट और मास्क बनाएं

6 अपनी कल्पना से कोई क्राफ्ट कार्य करें

7 जल रंगों से किसी एक विषय पर कार्य करें सभी कार्य को एक फाइल फोल्डर अपने द्वारा बनाकर लगाएं

SOCIAL SCIENCE

1. Collect information about different work and occupation of the people.
2. Write about Silk Route.
3. Write about teaching and life of Mahatma Buddha.
4. Write about the work of a Patwari.
5. Write about the work of Tehsildar.
6. Collect information about Ashoka and write.
7. Describe the life of the people lives in Plains area.

Subject enrichment - Prepare a project file on the topic 'Water is an important gift of nature'.

(Note- project file should be ecofriendly product plastic should not be used. Work should be compiled in 12 to 15 pages. All work should be hand writte
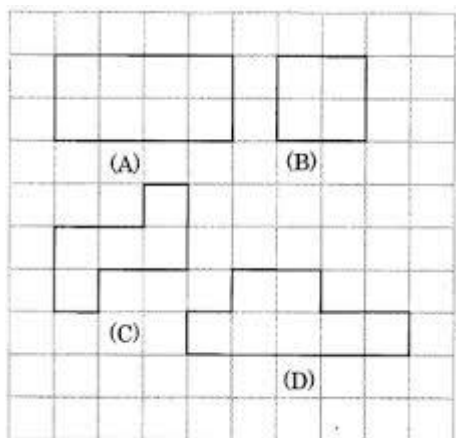

MATHEMATICS

PART -- A

Theme: Mensuration- finding perimeter and area.

The following figures are drawn on a squared paper. count the number of

squares enclosed by each figure and finds its area, taking the area of each square 1 Cm².

ANSWER THE FOLLOWING QUESTIONS:

1. Find the cost of fencing a rectangular field 62m long and 33m wide at
 Rs.16 per metre.
2. Find the area of a rectangle whose length and breadth are 45cm and 18cm respectively. Also find the perimeter of the rectangle.
3. The total cost of flooring a room at Rs.85/m² is Rs.5100.If the length of the room is 8metres, find its breadth.
4. Find the area of a square plot of side 14cm.
5. How many envelopes can be made out of a sheet of paper 72cm by 48cm. if each envelope requires a paper of size 18cm by 12cm?

PART -- B

MATHEMATICS LEARNER'S DIARY

Take a stick file and write in a4 sheets the following points chapter wise for mensuration, data handling, algebra, radioman proportions, symmetry and practical geometry.

What you have learnt in that chapter, how much you engaged / involved yourself to understand the concepts)

2.how you have applied the concepts of that particular chapter in your real life (or) where you think it can be helpful in your real life.

3. What difficulties you find to understand the chapter and how you overcome it or what efforts you have put to understand the chapter better.

4. Any other remarks or feedback or point you want to express.

    I <u>Read the passage and answer the question that follows.</u>

Pets, especially dogs, are fun to keep. I wanted a dog, for my tenth birthday.And I got a black Spaniel, with a white patch. A pet is not just a toy. It needs constant attention. A dog in the early stages, needs training. It should be taught, to obey its master. Its food has to be cooked, specially. Then its coat has to be checked regularly, for ticks. We have to take it regularly, to a vet. When I come back from school, my furry friend barks at me lovingly. It sometimes runs off with my socks. It is naughty, but not a nuisance.

Question 1.

Which pet is the favourite of the narrator?

(a) cats

(b) dogs

(c) parrots

(d) pigeons

Question 2.

What attention does a dog need?

(a) its food should be good

(b) should be taken regularly to a vet

(c) its clothes should be neat

(d) all of these

Question 3.

The doctor who treats animals is called ………………….

(a) Psychatrist

(b) Child specialist

(c) vet

(d) surgeon

Question 4.

How does the dog treat, when the narrator comes back from the school?

(a) barks at him

(b) does not pay attention

(c) welcomes him with barking

(d) none of these

Question 5.

Give the opposite of 'Obey'.

(a) obedient

(b) ignore

(c) not obey

(d) disobey

II.Read the passage and answer the questions that follows

Long, long ago there were no schools or colleges in the way, they are now. Every sage, would admit a few students, who stayed with him, for at least 12 years and received instructions from him. Such places were called ashramas. Usually, students used to join the ashramas, at the ageof eight and complete their education, by twenty. There were no fees.

The ashramas would receive grants and aid from the kings. Infact, the longs were proud of the ashramas, in their kingdom. They often lookedto the sages, for advice and guidance. The ashramas were located in places, away from the town.

Question 1.

Where did the students get education long ago?

(a) palaces

(b) ashramas

(c) schools

(d) colleges

Question 2.

Usually the students used to join the ashramas at the age of

(a) five

(b) six

(c) seven

(d) eight

Question 3.

From where did the ashramas receive grants and aid?

(a) from the kings

(b) from the parents

(c) from the ministers

(d) from the banks

Question 4.

Where were the ashramas located?

(a) away from the city

(b) away from the palaces

(c) away from the town

(d) far away

Question 5.

Give the verb of 'advice'.

(a) advised Answers

(b) advise

(c) to advice

(d) ignore

Question 1.

A bird................ two wings.

(a) have

(b) is

(c) has

(d) are

Question 2.

I......................very fast.

(a) is

(b) have

(c) are

(d) am

Question 3.

I …………… a car and she……………………a scooty.

(a) have, has

(b) am, is

(c) has, have

(d) has, are

Question 4.

This ………………my book .

(a) has

(b) am

(c) is

(d) are

Question 5.

I……………eleven years old.

(a) are

(b) is

(c) have

(d) am

Question 6.

Ramu .... a good boy.

(a) am

(b) is

(c) are

(d) has

Question 7.

I .... very fat.

(a) is

(6) are

(c) have

(d) am

Question 8.

They .... my friends.

(a) are

(b) is

(c) am

(d) has

Question 1.

Sonali's marks are the .... in the class. (high)

(a) high

b) higher

(c) highest

(d) none of these

Question 2.

Brahmaputra is the .... river in India. (large)

(a) largest

(b) large

(c) larger

(d) more large

Question 3.

Sonakshi is a ……… girl. (lazy)

(a) lazier

(b) lazy

(c) laziest

(d) very lazy

Question 4.

This is the.....................of all the sums? (difficult)

(a) difficult

(b) very difficult

(c) more difficult

(d) most difficult

Question 5.

Which is the...................living animal? (old)

(a) older

(b) old

(c) oldest

(d) none of these

Question 6.

Rachna is a................ girl. (pretty)

(a) pretty

(b) prettier

(c) more pretty

(d) prettiest

Question 7.

Bombay is .... than Delhi. (big)

(a) big

(b) very big

(c) more big

(d) bigger

Question 8.

Gold is ....metal. (costly)

(a) more costly

(b) costlier

(c) costly

(d) costliest

Question 9.

Mount Everest is the ....peak in the world. (high)

(a) highest

(b) higher

(c) high

(d) very high

Question 10.

Jaipur is................... than Manali. (hot)

(a) hot

(b) more hot

(c) hottest

(d) hotter.

V. Read the carefully and fill in the blanks.

I hope you _____ (i) my last letter. A lot has _____(ii) since I wrote to you.
I with an accident about a week ago while _____(iv) football. Actually I
_____ (v) in hospital since then but I am _____(vi) myself here because I
_____ (vii) a lot of good friends. Actually I have not_____ (viii) Hindi

since I came here which, of course, is good for my English. On my first day, I. (ix) a
nurse called Sophia and _____ (x) in love with her almost instantly.

(i) (a) received

(b) will receive

(c) receive

(ii) (a) happening

(b) happened

(c) happen

(iii) (a) meet

(b) met

(c) am meeting

(d) would meet

(iv) (a) played i

(b) playing

(c) was playing

(v) (a) am

(b) had been

(c) have been

(vi) (a) enjoy

(b) enjoyed

(c) enjoying

(vii) (a) have made

(b) had made.

(c) making

(viii) (a) speaking

(b) spoken

(c) spoke

(ix) (a) meet

(b) meeting

(c) met

(x) (a) fall

(b) fallen

(c) fell

VI. Write paragraph on the below given topics

    a) My Family
    b) My Best Friend.

VII. Revision Of lessons done in class during November and december.

Computer

Answer the following questions.

1. What is barcode reader?
2. What is the difference between a Magnetic Card reader and a Smart Card Reader?
3. Explain the utility of a biometric device.
4. Differentiate between an Impact and a Non-impact printer.
5. Define the term plotter. Describe different types of plotters.

Class 7 (Homework)

विषय – संस्कृत

1 – गम् धातु ,पठ् धातु रूपाणि लट्लकारे ,लङ्लकारे ,लोट्लकारे ,लृट्लकारे विधिलिङ्लकारे च स्मरन्तु|

2 एतत् (पुल्लिंग ,स्त्रीलिंग ,नपुंसकलिंग) किम् (पुलिंग ,स्त्रीलिंग ,नपुंलिंग) शब्दरूपस्य स्मरन्तु|

3– द्वितियावधिक परीक्षाया: कृते निम्नलिखित पाठस्य अभ्यासकार्यम स्मरन्तु -

   क - अहमपि विद्यालयं गमिष्यामि

   ख- विश्वबंधुत्वं

   ग - समवायो: हि दुर्जय:

   घ -विद्याधनं

   च -कारकं,शब्दरूपाणि, धातुरूपाणि

4 – 1-50 पर्यन्तं संकृत संख्या: स्मरन्तु|

5.परियोजनाकार्य (प्रोजेक्ट)- विद्याया: विषये द्वयो: श्लोकयो: चित्रपूर्वकं प्रदर्शनं कुर्वन्तु।

Science

1. Prepare all the questions of exercises of all the chapters from chapter no. 11-15.

 2. Learn summary of all the chapters from chapter no. 11-15.

3. Draw labelled diagrams of: - (a) Human heart (b) Human excretory system (c) Pollination in flower (d) Reproductive parts of a plant

 4. Describe the functions of the heart.

 5. Draw pictures and symbols for electric circuit components.

6.Draw an electric circuit diagram.

 7. Why it is necessary to excrete waste products.

 8. Describe with examples different methods of asexual reproduction.

9. Explain sexual reproduction.

10.Show the shape of the distance-time graph for the motion in the following cases: - (a) A car moving with a constant speed (b) Acar parked on a side road

11.Zubeda made an electric using a cell holder shown in fig.14.4, a switch and a bulb. When she put the switch in the "ON" position, the bulb did not glow. Help Zubeda in identifying the possible defects in the circuit.

12. State the characteristics of the image formed by a plane mirror.

13.State 2 differences between a convex and a concave lens.

14.What is a virtual image? Give one situation where a virtual image is for….

<p style="text-align:center">Work Experience</p>

Objective- to be familiar with electrical components, electrical appliances and project work

Q.1) list out number of wires used in house wiring with their color code and their importance and functioning?

Q.2) collect electrical components like motor generator batteries from waste material like damaged toy car and note down in your notebook with diagram?

Q.3) Identify the electrical appliances working on AC and DC at your home and note it down separately?

Q.4) discuss about Earth wire and its importance in your home with your parents?

Q.5) make a chart of electrical components used at your home as switch, holder, plug, socket etc.?

Q.6) Differentiate between static and dynamic electricity with their uses, applications along with practical examples?

Q.7) Make any project out of these- Best out of waste theme like pan stand, Flower vase, File cover design, Art & Craft work.

<p style="text-align:center">OR</p>

Q.7) Make a simple electrical project virtually on website www.dcaclab.com

Q.8) Collect waste material from your house and make a project on the theme baste out of waste

<p style="text-align:center"><u>Computer</u></p>

Answer the following questions.

1. **What is a cell address? In how many ways a cell address can be given?**
2. **What are functions in Excel? How many types of functions do you know?**
3. **Write the output:-**
    i.   **=SUM (8,-6,3,20)**
    ii.   **=AVERAGE(45,30,50,47,33)**
    iii.   **=MAX(-30,45,30-45,4,0)**
    iv.   **=POWER(2,5)**
    v.   **=QUOTIENT(97+43,27+43)**

शीतऋतु अवकाशकालीन गृहकार्य हिंदी कक्षा 7 दिसंबर (2021-22)
(अभ्यास पुस्तिका में)
- स्वर किसे कहते हैं सभी स्वरों को लिखो।
- व्यंजन किसे कहते हैं सभी व्यंजनों को लिखो।
- वर्णमाला किसे कहते हैं सविस्तार वर्णन करें।
- उपसर्ग किसे कहते हैं 10 उपसर्ग से दो दो शब्द बनाओ।
- प्रत्यय किसे कहते हैं 10 प्रत्यय से दो दो शब्द बनाओ।
- वाक्य किसे कहते हैं अर्थ के आधार पर वाक्य के भेद लिखो।
- अपने बारे में एक अनुच्छेद लिखें।

(चार्ट पेपर पर बनाओ)
- संज्ञा किसे कहते हैं संज्ञा के भेद लिखो।
- सर्वनाम किसे कहते हैं सर्वनाम के भेद लिखो।
- विशेषण किसे कहते हैं विशेषण के भेद लिखो।
- क्रिया किसे कहते हैं क्रिया के भेद लिखो और उनका वर्णन करो।
-

SUBJECT-MATHEMATICS

PART- A

Match the following :

1. Perimeter of square	(a) $2(l + b)$
2. Area of square	(b) $4 \times$ side
3. Perimeter of rectangle	(c) $l \times b$
4. Area of a rectangle	(d) a^2

Match the following :

1. Radius of circle	(a) Base $\times$ Height
2. Area of triangle	(b) πr^2
3. Area of a ∥gm	(c) Half of its diametre
4. Area of circle	(d) $\frac{1}{2} \times$ Base $\times$ Altitude

CHAPTER -ALGEBRAIC EXPRESSIONS MULTIPLE CHOICE QUESTIONS (MCQs)

1. Write the expression for the statement: the sum of three times x and 11?
(a) x + 3 + 11
(b) 3x + 11
(c) 3 + 11x
(d)3x – 11

2. Identify the coefficient of x in expression 8 – x + y
(a)0
(b) 8
(c) -1
(d) 1

3. The number of terms in $4p^2q - 3pq^2 + 5$ is:
(a) 7
(b) 3
(c) 1
(d) 4

4. The expression for sum of numbers a and b subtracted from their product is:
(a) a + b – ab
(b) ab – a + b
(c) ab – (a + b)
(d) ab + a – b

5. The constant term in the expression $1 + x^2 + x$ is:
(a) 1
(b) 2
(c) x
(d) x^2

6. What is the numerical coefficient of y^2 in the expression $2x^2y - 15xy^2 + 7y$?
(a) -15x
(b) -15
(c) 2
(d) 7

7. The expression x + y – xy is:
(a) Monomial
(b) Binomial
(c) Trinomial
(d) Quadrinomial

8. The expression xyz is:
(a) Monomial
(b) Binomial
(c) Trinomial
(d) Zero polynomial

9. From the following expressions 10pq, 7p, 8q, $-p^2q^2$, -7pq, -23, ab, 3a, b. The like terms are:
(a) 3, 7p
(b) 10pq, -7pq
(c) ab, 3a, b
(d) 10pq, 7p, 8q

10. From the following expressions 3ab, a^2, b^2, a, 5ab, -2ab, $2a^2$ the three like terms are:
(a) 3ab, 5ab, -2ab
(b) a^2, a, $2a^2$
(c) 3ab, a^2, b^2
(d) $2a^2$, a^2, a

MATHEMATICS LEARNER'S DIARY

Make a separate small note book as learner's diary. Write the topics with examples of the following chapters in your math's learner diary-

(Rational numbers, Practical geometry, Perimeterand Area, Algebraic expressions, exponents and powers, Symmetry, Visualizing solid shapes)

1. Chapter wise impressions about the chapter (what you have learnt in that chapter, how much you engaged / involved yourself to understand the concepts)

2.how you have applied the concepts of that particular chapter in your real life (or) where you think it can be helpful in your real life.

3. What difficulties you find to understand the chapter and how you overcome it or what efforts you have put to understand the chapter better.

4. Any other remarks or feedback or point you want to express.

SOCIAL SCIENCE

1. Describe the flora and fauna of Amazon basin.
2. Describe the life of the people living in Ganga Basin.
3. Write 05 character of different types of vegetation.
4. Write 10 lines on the life and teaching of Baba Guru Nanak.
5. Write 10 lines on the life and teaching of Saint KABIR.
6. Write about Judicial System of India.
7. Write about different types of media and the role of media in our life.

Subject enrichment - Prepare a project file on the topic 'Save energy is Produce Energy'.

   (Note- project file should be ecofriendly product plastic should not be used. Work should be compiled in 12 to 15 pages. All work should be hand written.)

ARTS

1 अपनी कल्पना से किसी एक विषय पर A3 साइज की शीट पर पेंटिंग बनाएं

2 एक कोलाज बनाएं

3 प्रिंट मेकिंग से एक डिजाइन बनाएं

4 पेंसिल की सहायता से शेडिंग करें

5 एक कैलीग्राफी आर्ट और मास्क बनाएं

6 अपनी कल्पना से कोई क्राफ्ट कार्य करें

7 जल रंगों से किसी एक विषय पर कार्य करें सभी कार्य को एक फाइल फोल्डर अपने द्वारा बनाकर लगाएं

I Read the passage and answer the question that follows.

Our ancestors had great difficulty in getting books. Now, our difficulty iswhat to read. There are books and books but our hours of reading are very few. Therefore, choice becomes essential. We should be very careful about what we read. There are books which poison our lives by suggesting evils. We should keep them at arm's length.

We should read only those books which have stood the test of time. Such books are our great classics like the Ramayana and the Gita. Theycontain the wisdom of our sages and saints. They have appealed mankind from generation to generation. Reading of such books has ennobling influence on our mind and character. It gives us spiritual enjoyment. These books give us instruction with entertainment. They represent our ancient culture. They set before us high ideals to follow.

They are our best friends, best guides and the best treasure.

Q1. We should be selective because

(a) there is a great number of books available to us

(b) there is scarcity of books

(c) there are only bad books in the market

(d) none of the above.

Q2. We should avoid those books which

(a) cost high price

(b) come in paperback

(c) corrupt our lives by suggesting evils

(d) come in more than one volume.

Q3. The books which have stood the test of time are called....

(a) great books **(b)** rare books **(c)** biographies **(d)** classicsQ4.

What is /are special quality/qualities of classics?

(a) They affect our mind in a good way

(b) They teach us something great and also entertain us.

(c) They help us in our spiritual growth

(d) All the above.

Q5. An expression in the passage which means 'good effect' is

(a) Spiritual enjoyment **(b)** Ennobling influence **(c)** high ideals **(d)** Verycareful.

II.Read the passage and answer the questions that follows

Dry fruits are useful in various diseases of the brain, muscles and tissues. Particularly almond has got unique properties to remove brainweakness and strengthen it.

Almond preserves the vitality of the brain, strengthens the muscles,destroys diseases originating from nervous and bilious disorders.

Walnut is another dry fruit that possesses wonderful qualities of curing brain weakness. According to Dr. Johnson, almonds, figs, grapes, dates,apples* and oranges are rich-in phosphoric element and should

normally be used by brain workers. Phosphorus nourishes the vital tissues of the body. It keeps the mind full of enthusiasm for more work.

Unseen Passage with questions and answers class 7 passage 5:

Q1: Dry fruits are useful because they

(a) strengthen our heart

(b) cure various diseases of the brain, muscles and tissues

(c) give confidence to us

(d) empower us to do challenging tasks.

Q2: Which one is not a property of almond?

(a) It preserves the vitality of the brain

(b) It strengthens the muscles

(c) It destroys diseases originating from nervous and bilious disorders

(d) It strengthens our digestive system.

Q3: Phosphoric element is profusely found in

(a) almonds, figs, grapes, dates, apples and oranges

(b) almonds, figs, papayas, guavas and pineapples

(c) all the green vegetables

(d) seasonal fruits.

Q4: Brain workers should take fruits rich in phosphoric elementsbecause

(a) they remove brain weakness

(b) they nourish the vital tissues of the body

(c) they keep the mind full of enthusiasm

(d) all the above.

Q5: The word unique means the same as

(a) ordinary   (b) highly qualified   (c) unusual   (d) enlightened.

III Write a letter to the Editor of The Times of India complaining about the nuisance created by the use of loudspeakers. You are Peeyush Sharma, a resident of Sector 15, Vasundhara Enclave, New Delhi.

IV Write a letter to theTo the Chairman, District Board, complaining about the insanitary conditions of your locality

Suppose you are a resident of a place in Meerut district. Write in about 100 words a letter to the Chairman, District Board, Meerut, complainingabout the conditions in your town. Sign yourself as Gulshan Chopra

V. Write paragraph on the below given topics

   a) The season I like most
   b) Morning assembly in my school

Vi.Revision   Of   lessons   done   in   class   during   November anddecember.

Class 8 (Homework)

कक्षा - अष्टमी   विषय - संस्कृत

1 - गम् धातु ,पठ् धातु रूपाणि लट्लकारे ,लङ्लकारे ,लोट्लकारे ,लृट्लकारे विधिलिङ्लकारे च स्मरन्तु|

2 अस्मद् ,युष्मद् मातृ ,शब्दरूपाणि   स्मरन्तु |

3- द्वितीयावधिक परीक्षाया: कृते निम्नलिखित पाठस्य अभ्यासकार्यम्

स्मरन्तु -

क -सप्तभगिन्य:

ख - नितिनवनितम्

ग -सावित्रीबाई फुले

घ -क: रक्षति क: रक्षित:

च कारक,शब्दरूप, धातुरूप

4 - 51-100 पर्यन्तं संस्कृत संख्यानाम्   स्मरन्तु |

5.परियोजनाकार्य (प्रोजेक्ट)- नैतिकशिक्षा-विषयक त्रयाणां श्लोकानां चित्रपूर्वकं प्रदर्शनं कुर्वन्तु।

Subject- science

Q.1: Give two differences between a zygote and a foetus?

Q.2: Define asexual reproduction. Describe two methods of asexual reproduction in animals?

Q3: What is metamorphosis? Give examples?

Q.4: What is menstruation? Explain.

Q.5: Write short notes on - (a) Adam's apple. (b) Secondary sexual characters. (C) Sex determination in the unborn baby.

Q.6: A pendulum oscillates 40 times in 4 seconds. Find its time period and frequency.

Q.7: Explain in what way noise pollution is harmful to human?

Q.8: Sketch larynx and explain its functions in your own words?

Q.9: Is it safe for electrician to carry out electrical repairs outdoors during heavy downpours? Explain.

Q.10: Suggest three measures to protect us from lightening?

Objective- to know about electrical safety devices, project work and to aware parents about importance of CPR and shock treatment

Q.1) discuss about electrical shock and electrical safety rules to avoid it with your parents?
Q.2) make a layout diagram for wiring at your home from energy meter to switch board?
Q.3) identify the safety devices used in house wiring and draw the diagram and write their importance?
Q.4) Discuss about CPR "cardio pulmonary resuscitation" as first aid with your parents and do the practical of it and discuss about the importance of CPR as life saving tool?
Q.5) Collect different types of magnet available at your home and make a chart by pasting it and write properties of it?
Q.6) Make any project out of these- Best out of waste theme like pan stand, Flower vase, File cover design, Art & Craft work.
                                        OR
Q.6) Make a simple electrical project virtually on website www.dcaclab.com
Q.7) Collect waste material from your house and make a project on the theme baste out of waste

SOCIAL SCIENCE

1. Find the information and write 10 lines about the life of swami vivekanand.
2. Find out the information and write 10 lines about the life of mahatma gandhi.
3. Make a list of crime and the provision made in the scheduled caste and tribes act 1989.
4. write 10 lines on supreme court of india.
5. Write 10 lines about how health fitness is necessary for healthy life.
6. Write 10 lines on the ideas of Rabindranath tagore on indian education.
7. Make the list of factors that affect the location of an industries.

Subject enrichment - prepare a project file on the topic 'healthy habits and value'.

   (note- project file should be ecofriendly product plastic should not be used. Work should be compiled in 12 to 15 pages. All work should be hand written.)

शीतऋतु अवकाशकालीन गृहकार्य कक्षा हिंदी 8 दिसंबर (2020-21)

(अभ्यास पुस्तिका में)

- स्वर किसे कहते हैं सभी स्वरों को लिखो।
- व्यंजन किसे कहते हैं सभी व्यंजनों को लिखो।
- वर्णमाला किसे कहते हैं सविस्तार वर्णन करें।
- उपसर्ग किसे कहते हैं 10 उपसर्ग से दो दो शब्द बनाओ।
- प्रत्यय किसे कहते हैं 10 प्रत्यय से दो दो शब्द बनाओ।
- वाक्य किसे कहते हैं अर्थ के आधार पर वाक्य के भेद लिखो।
- अपने बारे में एक अनुच्छेद लिखें।

(चार्ट पेपर पर बनाओ)

- संज्ञा किसे कहते हैं संज्ञा के भेद लिखो।
- सर्वनाम किसे कहते हैं सर्वनाम के भेद लिखो।
- विशेषण किसे कहते हैं विशेषण के भेद लिखो।
- क्रिया किसे कहते हैं क्रिया के भेद लिखो और उनका वर्णन करो।

Mathematics

Part -a

Theme: mensuration-finding volume and surface area

Construction of water tank using availabe resource at home .finding the volume and

Surface area of the water tank , cost for painting the wall, how many cans of paint needed to paint the outer surface area of the water tank and how many hours it will take to fill up the tank if water inflowin minutes is given.

Art: draw the water tank by pencil shading.

Description of item: The Panchayat members decided to construct a water tank in their village to solve their water issues. The project was sanctioned by the district authorities. A meeting regarding the same was conducted to make some crucial decisions.

I.   Answer the following questions:

Q1) find the volume of the cuboidal water tank if its length is x units, breadth y units and height z units.

Q2) during the discussion they felt the capacity of the tank will not be enough with these dimensions as per the current rate of consumption. A member commented that to double the capacity of the water tank it is enough to double the length and breadth .is he right? Justify your answer.

Q 3) can you suggest a method to double the capacity of the tank?

Q4) if the length and breadth of the tank are increased by 20 units and 10 units respectively and the height remains same, then what will be the new capacity of the tank?

Q5) how much more water will the new tank hold? Write it algebraically and then numerically if the original dimensions of the tank are 20 m × 15 m × 6 m.

Q6) they planned to paint the bottom, side faces of the water tank of measure 20m x 15m x 6m. From each can of paint 100m^2 of area is painted. How many cans of paint will they need to paint the water tank?

Q7) suppose in the water tank there are 4 cylindrical pillars. The radius of each pillar 28 cm and height is 4 m. Find the total cost of painting the curved surface area of all pillars at the rate of rs.8 per m^2.

Part-b

Mathematics learner's diary

Take a stick file and write in a4 sheets the following points chapter wise for comparing quantities, visualizing solid shapes, mensuration, exponents and powers, direct and inverse proportions, factorization, introduction to graphs, playing with numbers.

1. Chapter wise impressions about the chapter (what you learnt in that chapter, how much you engaged/involved yourself to understand the concepts etc).

2. How you applied the concepts of that particular chapter in your real life or where you think it can be helpful in your real life.

3. What difficulties you find to understand the chapter and how you overcome it or what efforts you have put to understand the chapter better.

4. Any other remarks or feedback or point you want to express.

5. note: you may take pictures of your activity during learning.

ARTS

1 अपनी कल्पना से किसी एक विषय पर A3 साइज की   शीट पर पेंटिंग बनाएं

2 एक कोलाज बनाएं

3 प्रिंट मेकिंग से एक डिजाइन बनाएं

4 पेंसिल की सहायता से शेडिंग करें

5 एक कैलीग्राफी आर्ट और मास्क बनाएं

6 अपनी कल्पना से कोई क्राफ्ट कार्य करें

7 जल रंगों से किसी एक विषय पर कार्य करें सभी कार्य को एक फाइल फोल्डर

अपने द्वारा बनाकर लगाएं

English

I Read the passage and answer the question that follows.

Educating boys and girls together has always been an important and stressful issue.
Many parents believe that the educational process can be more effective if the classes are
divided according to the gender of the students. Although same-sex
schools are considered too conservative and strict in today's times. Nevertheless, there are
still supporters of this manner of education. Some parents are not in favorof a co-educational
system as they feel that the presence of the opposite gender
distracts the attention of students and prevents them from concentrating on studies.

On the other hand, supporters of co-education feel that as boys and girls are
different, it is a valuable experience for both genders to communicate with each other.
Moreover, the earlier boys and girls begin to communicate, the sooner they
acquire social skills, which are crucial to communicating freely in the world. Further, if there
are girls in the class, boys may well possibly try to behave better in order not to lose face in
front of the girls.

Apart from all that has been mentioned above, educating boys and girls together helps them
understand and mutually respect each other from an early stage in life.This can possibly help
in building a generation that doesn't suffer from gender biasand is open to a healthy
competition even between the two genders.

Question 1.

Why according to the writer are some parents not in favor of the co-educationsystem?

Question 2.

Why are socializing skills important?

Question 3.

Same-sex schools are considered

Question 4.

What according to the writer helps girls and boys develop mutual respect for eachother?

Question 5.

Find words from the passage that mean

a. traditional

b. paying attention

c. vital

d. unfairness

II Read the passage and answer the question that follows.

Andrew Fang is a legend in bowling. He was voted Sportsman of the Year in 2000.
Andrew is only 23. He started bowling when he was nine, picking up the sport from his
parents.. "When I was just starting out, my family supported me by paying for mytraining and
equipment," says the Arts undergraduate whose major is economics.
Competition or not, Andrew has no problem keeping fit. "I like biking. Rain or shine, you'll
find me on my mountain bike cycling for at least two hours at Bukit Timah, fourtimes a week.
It takes my mind off problems and troubles," says Andrew. Rest and recreation are as
important as exercise.

"I love sleeping," Andrew says. "When I'm preparing for tournaments, I usually sleepeight
to nine hours a day." He also likes playing pool, reading a good novel or
watching a show with his friends. When it comes to food, Andrew says he takes everything
in moderation and stays away from fried and fatty food. He takes in moreprotein than the
average person and tries to drink as much water as he can to prevent dehydration since he
cycles so much. Because of his discipline, Andrew's
working relationship with his coach has been very smooth. Andrew's priority,

however, is education. "Getting my degree is my biggest wish now. After that, I canconcen trate fully on professional bowling," Andrew states firmly.

Questions

1. Andrew Fang is introduced to bowling by his _

(a) parents

(b) friends

(c) coach

(d) teacher

2. What does Andrew do when he is stressed?

(a) He goes bowling.

(b) He climbs up Bukit Timah Hill.

(c) He eats fried and fatty food.

(d) He goes cycling on his mountain bike.

3. How does Andrew prepare himself for tournaments?

(a) He cycles for two hours every day.

(b) He sleeps at least eight hours a day.

(c) He plays pool and reads a good novel.

(d) He takes in less protein and drinks more water.

4. Which one of the following is most important to Andrew now? It is to

(a) be a professional bowler

(b) graduate from university

(c) be voted as Sportsman of the Year

(d) pay his parents for his training and the equipment

5. "Andrew Fang is a legend in bowling" means that

(a) He has written a book on bowling

(b) He is very disciplined and co-operates with his coach.

(c) His achievements in sports must be remarkable.

(d) His interest in bowling lasted for fourteen years.

Letter Writing

III a). To your friend describing the winter season in a hill station you visited.

You have recently visited a hill station during winter vacation. Write your experienceto your friend. You are Manu/Manavi.

III b). To a friend inviting him to the Book Fair

Your friend, Kunal is fond of reading good books. Write a letter to him inviting him tovisit the Book Fair which is going to be held in your city in December. You are Rctjiv Mittal, living atH-15, Ballabh Colony, New Delhi.

Paragraph Writing

IV. Write a paragraph on the topics given below

   a) Self Study and it's importance.
   b) Discipline,akey to success

V) Revision of lessons completed after half yearly examination.

VI. Attempt an excercise to make meaningful sentences from jumbledwords.

Rearrange the following words/phrases to form meaningful

sentencesExercise

 1)this friday / have / we / a holiday

 2)cooks / my mom /delicious food

 3)welcomed / every gest / was

4)the thief / arrested / the

policeman5)bakes / a baker /

bread

 6)of leather / the jacket / was made

 7)sipped / some water / the sparrow

8)the computer / is working on / my

neighbor 9)our gratitude / to show / we

have / to them 10)if you word hard, / surely

/ you will / succeed.

Computer

Answer the following questions.

1. Define the terms – Presentation, slide and slide show.
2. What different ways can you use to create a presentation?
3. What is a theme? Which tab is used to apply a theme?
4. Name the different types of slides views in PowerPoint.
5. What do you understand by slide sorter view and reading view?

<p align="center">विषय – संस्कृत</p>

1.गम् धातु ,पठ् धातु रूपाणि लट्लकारे ,लङ्लकारे ,लोट्लकारे ,लृट्लकारे विधिलिङ्लकारे च स्मरन्तु |

 2 सेव् धातु ,लाभ् धातु रूपाणि लट्लकारे लृट्लकारे च स्मरन्तु

3.अस्मद् ,युष्मद् मातृ ,शब्दरूपाणि स्मरन्तु |

4.पर्यावारण/ नैतिकशिक्षा इत्यादि विषयो: कस्यापि एकं आधृत्य चित्रयुक्तं 15 वाक्यानाम् लेखनं कुर्वन्तु ।

<p align="center">**Subject: Science**</p>

BIOLOGY

 1. Differentiate between parenchyma, collenchyma and sclerenchyma on the basis of their cell wall.

2. [1] Differentiate between acute and chronic diseases. [2] Give one example each of acute and chronic diseases. [3] Mention any two causes of baby's disease.

3. Why are plant and animal tissues different?

 6. Plasma membrane is permeable to water. How does a cell show endosmosis or exosmosis?

 7. Distinguish between symptoms and signs of a disease.

 8. Is air a mixture or a compound? Give three reasons for your answer.

 9. Define intercropping. How does it differ with mixed cropping?

10. Give two examples each of [1] Narrow leaved Rabi season weed [2] Broad leaved Kharif season weed

<p align="center">**CHEMISTRY**</p>

1. Why is ozone layer called ozone umbrella/shield? What would be the effects on widening of ozone hole?

2. [1] What is fractional distillation? What is the use of fractionating column in fractional distillation? [2] Draw a labeled diagram of the fractional distillation apparatus used for separating a mixture of alcohol and water.

 3. In brief, state what happen when [1] Dry apricot are left for some time in pure water and later transferred to sugar solution. [2] A red blood cell is kept in concentrated salt solution. [3] The plasma membrane of a cell breaks down. [4] Rheo leaves are boiled in water first and then a drop of sugar syrup is put on it. [5] Golgi apparatus is removed from the cell.

4. Define: (1) Hypertonic solution (2) Hypotonic solution (3) Isotonic solution

5. Describe the major components of air pollution.

 6. How is water purified on a large scale at water work? Explain with the help of a labelled diagram. Name the substance which is added to kill germs in the drinking water supply?

 7. (1) What is the nucleus of an atom and what is the nature of charge on it? (2) Name the scientist who discovered the nucleus of atom.

8. (1) Describe the Rutherford's model of an atom. State one drawback of Rutherford's model of the atom. (2) The mass number of an element is 23 and it contains 11 electrons. What is the number of protons and neutrons in it? What is the atomic number of the elements?

9. Give one major drawback of Dalton's atomic theory of matter. Dalton's atomic theory says that atoms are indivisible. Is this statement still valid? Give reasons for your answer.

10. Describe Thomson's model of the atom. Which subatomic particle was not present in Thomson's model of the atom?

PHYSICS WORK AND ENERGY

1. Define work. Discuss the positive, negative and zero work done.

2. Derive an expression for Work done by a constant force.

3. A force of 5 N is acting on an object. The object is displaced through 2 m in the direction of the force. If the force acts on the object all through the displacement, then work done is 5 N × 2 m =10 N m or 10 J.

4. A porter lifts a luggage of 15 kg from the ground and puts it on his head 1.5 m above the ground. Calculate the work done by him on the luggage.

5. Define Energy. Discuss various forms of energy

6. Define kinetic energy. Derive an expression for the kinetic energy of an object.

7. Define potential energy. Derive an expression for the potential energy of an object.

8. An object of mass 15 kg is moving with a uniform velocity of 4 m s^{-1}. What is the kinetic energy possessed by the object?

9. What is the work to be done to increase the velocity of a car from 30 km h^{-1} to 60 km h^{-1} if the mass of the car is 1500 kg?

10. Find the energy possessed by an object of mass 10 kg when it is at a height of 6 m above the ground. Given, g = 9.8 m s^{-2}.

11. State and prove the law of conservation of energy. 12. Define power. Write a relation for the power. Also write the unit of power.

13. Define commercial unit of energy. Find the value of 1kwh in joule.

14. A boy of mass 50 kg runs up a staircase of 45 steps in 9 s. If the height of each step is 15 cm, find his power. Take g = 10 m s^{-2}.

15. An electric bulb of 60 W is used for 6 h per day. Calculate the 'units' of energy consumed in one day by the bulb. All students must have a practice of all the questions of NCERT Text book exercise.

<div align="center">**Work Experience**</div>

Objective- to know identification of electrical safety devices and to know importance of earthing at our home along with practical skills.

Q.1) whether earthing is provided at your home or not, identify and discuss its importance with your parents?
Q.2) identify the electrical safety devices used at domestic power supply system and differentiate between them?
Q.3) why a switch is always connected in phase wire but never in neutral wire, explain?
Q.4) identify the electrical components and objects needed for house wiring?
Q.5) what are the basic principles of a switch board and house wiring connection?
Whether it is series or parallel connection and why?
Q.6) differentiate between a generator and motor and identify the objects where we use motor and generator in our home and make a list of it?
Q.7) Make any project out of these- Best out of waste theme like pan stand, Flower vase, File cover design, Art & Craft work.
<div align="center">OR</div>
Q.7) Make a simple electrical project virtually on website www.dcaclab.com
Q.8) Collect waste material from your house and make a project on the theme baste out of waste

<div align="center">**SOCIAL SCIENCE**</div>

NOTE - HOME WORK TO BE DONE IN NOTE BOOK ONLY.

1. Explain the factors responsible for Hitler's Rise to Power in Germany.
2. Explain Nazi Ideology and Racial State of Germany.
3. Explain the causes and factors for Russian Revolution.
4. Find the Information about Lenin's Life and Ideology.
5. Explain the factors affect the climate of an Area.
6. Write 10 features of 'Monsoon seasons' of India.
7. Write 10 features of 'Summer Season' in India.
8. Write the Powers of Election Commission of India.
9. Write the Powers of Supreme court of India.
10. Write the Powers of The President Of India.
11. Fix the map of Word and Locate the following –
   MAP 1 - Major **countries of First World War (Central Powers and Allied Powers) Central Powers - Germany, Austria-Hungary, Turkey (Ottoman Empire) Allied Powers - France, England, Russia, U.S.A.**
   MAP 2- Major countries of Second World War Axis Powers – Germany, Italy, Japan Allied Powers – UK, France, Former USSR, USA
   MAP 3 - Territories under German expansion (Nazi Power) Austria, Poland, Czechoslovakia (only Slovakia shown in the map), Denmark, Lithuania, France, Belgium
12. India Map work –
   Map 1 - Lakes: Wular, Pulicat, Sambhar, Chilika
   Map 2 - National Parks: Corbett, Kaziranga, Ranthambor, Shivpuri, Kanha, Simlipal & Manas •
   Map 3 - Bird Sanctuaries: Bharatpur and Ranganthitto • Wild Life Sanctuaries: Sariska, Mudumalai, Rajaji, Dachigam (Location and Labelling)
   Map 4 - The Peninsular rivers-The Narmada, The Tapi, The Kaveri, The Krishna, The Godavari, The Mahanadi

ENGLISH

I.Write on theme,plot and gist of the lessons done for term II

II. Prepare 10 MCQ on each lesson.

III. Write atleat two stories with word limit 200 words each and provide each of them a suitable IV.Revise by attempting an excercise on the topics given below

a) Reported Speech b) Determiners c) Modals

शीतऋतु अवकाशकालीन गृहकार्य हिंदी कक्षा 9 दिसंबर (2020-21)

(अभ्यास पुस्तिका में)

- वाक्य किसे कहते हैं रचना और अर्थ के आधार पर वाक्य के भेद लिखो ।
- अपने बारे में एक अनुच्छेद लिखें ।
- नव वर्ष पर एक शुभकामना संदेश लिखें ।

(परियोजना A 4 पेपर पर तैयार करें)

आंतरिक मूल्यांकन - क्रियाकलाप सत्र -2

- **सांवले सपनों की याद**-- किसी मनपसंद पक्षी के जीवन,उसका भोजन का तरीका, रहन सहन व अन्य पक्षियो के संबंध पर चित्रात्मक परियोजना बनाइए   (10अंक)
- **कैदी और कोकिला**- कुछ महत्वपूर्ण जेलों की सचित्र जानकारी पर परियोजना (10अंक)
- **रीड की हड्डी**--दहेज प्रथा पर आधारित परियोजना बनाइए कैसे रोके और सरकार के द्वारा उठाए गए कदमों का वर्णन करें   (10अंक)

नोट- सभी कार्य आंतरिक मूल्यांकन के अंतर्गत दिए गए हैं इसीलिए सभी विद्यार्थियों को क्रियाकलापों को करना अनिवार्य है ।
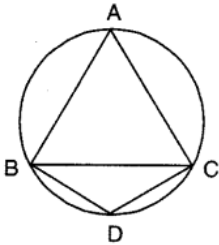
CLASS IX (MATHEMATICS)
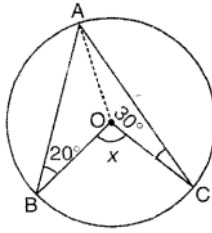
(HOMEWORK TO BE DONE IN A4 SHEET)

1. EXPERIMENT (06-10) TO BE WRITTEN IN RECORD NOTEBOOK)
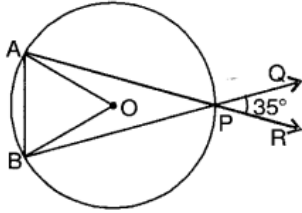2. Write Answers for two Class test of 20-20 marks in A4 sheets.

CIRCLES

Q1.In the given figure, ΔABC is an equilateral triangle and ABDC is a cyclic quadrilateral, then find the measure of ∠BDC.
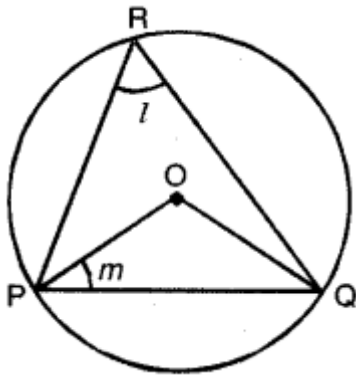

Q2. In the figure, 'O' is the centre of the circle, ∠ABO= 20° and ∠ACO= 30°, where A, B, C are points on the circle. What is the value of x ?
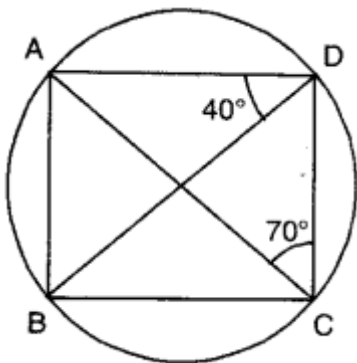
Q3. In the given figure, O is the centre of the circle with chords AP and BP being produced to R and Q respectively. If ∠QPR = 35°, find the measure of ∠AOB.

Q4. In the given figure, O is the centre of the circle. PQ is a chord of the circle and R is any point on the circle. If ∠PRQ = l and ∠OPQ = m, then find l + m.

Q5. In the given figure, ABCD is a cyclic quadrilateral such that ∠ADB= 40° and ∠DCA = 70°, then find the measure of ∠DAB .

ARTS

1 अपनी कल्पना से किसी एक विषय पर A3 साइज की   शीट पर पेंटिंग बनाएं

2 एक कोलाज बनाएं

3 प्रिंट मेकिंग से एक डिजाइन बनाएं

4 पेंसिल की सहायता से शेडिंग करें

5 एक कैलीग्राफी आर्ट और मास्क बनाएं

6 अपनी कल्पना से कोई क्राफ्ट कार्य करें

7 जल रंगों से किसी एक विषय पर कार्य करें सभी कार्य को एक फाइल फोल्डर अपने द्वारा बनाकर लगाएं।

8 अनुपयोगी वस्तु से एक गमले का का निर्माण करें

Computer

Answer the following questions.

1. What is python?
2. Distinguish between an interpreter and a complier.
3. What is variable? What are the rules followed for naming a variable?
4. Explain the two modes of Python.

Class 10 (Homework)

केंद्रीय विद्यालय: सी.सु.ब. रायसिंहनगर

कक्षा – दशमी   विषय – संस्कृत

1.गम् धातु ,पठ् धातु रूपाणि लट्लकारे ,लङ्लकारे ,लोट्लकारे ,लृट्लकारे विधिलिङ्लकारे च स्मरन्तु |

2 सेव् धातु ,लाभ् धातु रूपाणि लट्लकारे लृट्लकारे च स्मरन्तु

3.अस्मद् ,युष्मद् मातृ ,शब्दरूपाणि स्मरन्तु |

4.सौहार्दम प्रकृतेः शोभा:, विचित्र साक्षी, सूक्तय: पठानाम् अभ्यासकार्य स्मरन्तु ।

5.पर्यावारण/ नैतिकशिक्षा इत्यादि विषयो: कस्यापि एकं आधृत्य चित्रयुक्तं 15 वाक्यानाम् लेखनं कुर्वन्तु ।

Work Experience

Objective- to understand the practical uses of electronic components as integrated circuit, transformer, battery eliminator and practical connection of components in a switchboard along with knowledge about power plants.

Q.1) make a working model chart for thermal and nuclear power stations with all steps?
Q.2) write down the limitations of thermal power station and its alternative solution for power generation?
Q.3) what is the transformer explain its basic principle of working its types and its applications?
Q.4) what is the battery eliminator and what are its uses explain with circuit?
Q.5) what is IC and what are its applications?
Q.6) what are the alternative sources of power generation in place of non renewable energy sources?
Q.7) understand the practical incorporation of fuse, indicator and regulator in a switchboard?
Q.8) Collect electrical components from waste materials as Toy car at your home and make a chart of it? Q.9) Make any project out of these- Best out of waste theme like pan stand, Flower vase, File cover design, Art & Craft work.

OR
Q.9) Make a simple electrical project virtually on website www.dcaclab.com
Q.10) Collect waste material from your house and make a project on the theme baste out of waste

SOCIAL SCIENCE

NOTE - Home Work To Be Done In Note Book Only.

1. Write 10 main features of Non- cooperation Movement.
2. Write 10 main features of Civil dis-obedience movement.
3. Write main features of swadeshi movement.
4. Write ideology of BJP and Indian National Congress party.
5. What are the challenges faced by the Parties in India?
6. Describe the challenges faced by Election commission of India.
7. Describe the credit activities of the Banks.
8. Describe the positive and negative impact of Globalisation in India.
9. Different between formal and informal sources of credit in India.

10. Why do Public Sector is most Important in India?
11. Map work
    Map 1. Indian National Congress Sessions:
        a. Calcutta (Sep. 1920) b. Nagpur (Dec. 1920) c. Madras (1927)

    Map 2. Important Centres of Indian National Movement

        a. Champaran (Bihar) - Movement of Indigo Planters
        b. Kheda (Gujarat) - Peasant Satyagrah
        c. Ahmedabad (Gujarat) - Cotton Mill Workers Satyagraha
        d. Amritsar (Punjab) - Jallianwala Bagh Incident
        e. Chauri Chaura (U.P.) - Calling off the Non-Cooperation Movement
        f. Dandi (Gujarat) - Civil Disobedience Movement
    Map 3. Power Plants-
      (Locating and Labelling only)
        a. Thermal • Namrup • Singrauli • Ramagundam
        b. Nuclear • Narora • Kakrapara • Tarapur • Kalpakkam
    Map 4. Cotton Textile Industries:
        a. Mumbai b. Indore c. Surat d. Kanpur e. Coimbatore
      Iron and Steel Plants:
        a. Durgapur b. Bokaro c. Jamshedpur d. Bhilai e. Vijaynagar f. Salem
      Software Technology Parks:
      a. Noida b. Gandhinagar c. Mumbai d. Pune e. Hyderabad f. Bengaluru g. Chennai
      h. Thiruvananthapuram
    Map 5. Major Ports: (Locating and Labelling)
        a. Kandla b. Mumbai c. Marmagao d. New Mangalore e. Kochi f. Tuticorin
        g. Chennai h. Vishakhapatnam i. Paradip j. Haldia
      International Airports:
        a. Amritsar (Raja Sansi) b. Delhi (Indira Gandhi International)
        c. Mumbai (Chhatrapati Shivaji) d. Chennai (Meenam Bakkam)
        e. Kolkata (Netaji Subhash Chandra Bose)
        f. Hyderabad (Rajiv Gandhi)

ENGLISH

I. Write on theme, plot and gist of the lessons done for term II

II. Prepare 10 MCQ on each lesson.

III. Write letter on following topics a) Letter of order b) Letter of Enquiry

IV. Revise by attempting an exercise on the topics given below

  a) Reported Speech b) Determiners

शीतऋतु अवकाशकालीन गृहकार्य हिंदी कक्षा 10

(अभ्यास पुस्तिका में)

- वाक्य किसे कहते हैं रचना और अर्थ के आधार पर वाक्य के भेद लिखो ।
- अपने बारे में एक अनुच्छेद लिखें ।
- नव वर्ष पर एक शुभकामना संदेश लिखें ।

(परियोजना A 4 पेपर पर तैयार करें)

आंतरिक मूल्यांकन - क्रियाकलाप सत्र -2

- **कन्यादान(10 अंक)**--दहेज प्रथा क्या है इस पर अपने विचार प्रकट करें
- **लखनवी अंदाज (10 अंक)**--लखनऊ के जनजीवन पर पी पी टी बनाएं व पी पी टी का प्रिन्ट लेकर अध्यापक को देना है
- **मानवीय करुणा की दिव्य चमक (10 अंक)**--फादर बुल्के के हिंदी के प्रति योगदान का चित्र सहित एक परियोजना कार्य तैयार करना है
- **साना साना हाथ जोड़ी (10 अंक)**--साना साना हाथ जोड़ी के आधार पर प्राकृतिक सौंदर्य को ध्यान में रखते हुए कैलेंडर तैयार करें।

नोट- सभी कार्य आंतरिक मूल्यांकन के अंतर्गत दिए गए हैं इसीलिए सभी विद्यार्थियों को क्रियाकलापों को करना अनिवार्य है ।

MATHEMATICS

(HOMEWORK TO BE DONE IN A4 SHEET)

1. EXPERIMENT (06-10) TO BE WRITTEN IN RECORD NOTEBOOK)
2. **Write answers of two class tests of 20-20 marks on A4 sheet**

QUADRATIC EQUATIONS

CASE STUDY 1:

Raj and Ajay are very close friends. Both the families decide to go to Ranikhet by their own cars. Raj's car travels at a speed of x km/h while Ajay's car travels 5 km/h faster than Raj's car. Raj took 4 hours more than Ajay to complete the journey of 400 km.
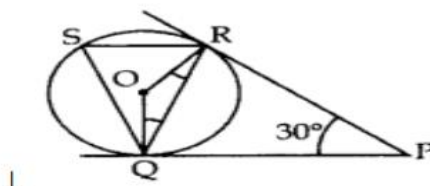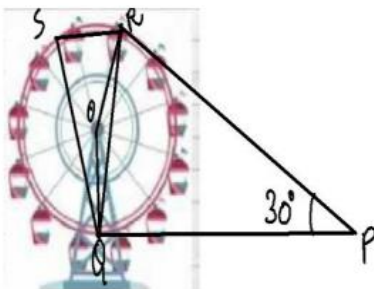
1. What will be the distance covered by Ajay's car in two hours?

a) 2(x +5)km

b) (x – 5)km

c) 2(x + 10)km

d) (2x + 5)km

2. Which of the following quadratic equation describe the speed of Raj's car?

a) $x^2 - 5x - 500 = 0$

b) $x^2 + 4x - 400 = 0$

c) $x^2 + 5x - 500 = 0$

d) $x^2 - 4x + 400 = 0$

3. What is the speed of Raj's car?

a) 20 km/hour

b) 15 km/hour

c) 25 km/hour

d) 10 km/hour

4. How much time took Ajay to travel 400 km?

a) 20 hour

b) 40 hour

c) 25 hour

d) 16 hour

Circles:

CASE STUDY 1:

A Ferris wheel (or a big wheel in the United Kingdom) is an amusement ride consisting of a rotating upright wheel with multiple passenger-carrying components (commonly referred to as passenger cars, cabins, tubs, capsules, gondolas, or pods) attached to the rim in such a way that as the wheel turns, they are kept upright, usually by gravity.

After taking a ride in Ferris wheel, Aarti came out from the crowd and was observing her friends who were enjoying the ride . She was curious about the different angles and measures that the wheel will form. She forms the figure as given below.

1. In the given figure find ∠ROQ
   a) 60
   b) 100
   c) 150
   d) 90

2. Find ∠RQP
   a) 75
   b) 60
   c) 30
   d) 90

3. Find ∠RSQ
   a) 60
   b) 75
   c) 100
   d) 30

4. Find ∠ORP
   a) 90
   b) 70
   c) 100
   d) 60

Science

1. What is the cause of ocean tides?

2. Why is the weight of the body zero at the centre of the earth?

3. An apple attracts the earth and the earth also attracts the apple towards its centre. Then why only apple falls towards the earth but the earth is not move towards the apple?

4. What is the difference between gravitational constant G and gravitational acceleration g?

5. Define 1kgwt and express it in N. (Hint. Use an expression of weight)

6. Calculate the height above the surface of earth at which the value of acceleration due to gravity is half of what is on the surface. (Hint. Use an expression of g)

7. A ball is thrown upward from the surface of the moon with a velocity of 19.6m/s. a) How much time will it take to attain the maximum height? b) How high will it go? (Hint. Use relation of g for moon)

8. Why is it difficult to hold a school bag having a strap made of a thin and strong string?

9. What do you mean by buoyancy?

10. Why will a sheet of paper fall slower than one that is crumpled into a ball?

11. The ball is thrown vertically upwards with a velocity of 49 m/s. Calculate 1) the maximum height to which it rises. 2) the total time it takes to return to the surface of the touching. (Hint. Use equations of motion)

12. A stone is released from the top of a tower of height 19.6 m. Calculate its final velocity just before touching the ground. (Hint. Use equation of motion)

13. What happens to the force between two objects if

1) The mass of one object is doubled?

2) The distance between the object is doubled and tripled?

3) The masses of both objects are doubled?

14. What is the importance of universal law of gravitation?

15. If the moon attracts the earth why does the earth not move towards the moon?

ARTS

1 अपनी कल्पना से किसी एक विषय पर A3 साइज की   शीट पर पेंटिंग बनाएं

2 एक कोलाज बनाएं

3 प्रिंट मेकिंग से एक डिजाइन बनाएं

4 पेंसिल की सहायता से शेडिंग करें

5 एक कैलीग्राफी आर्ट और मास्क बनाएं

6 अपनी कल्पना से कोई क्राफ्ट कार्य करें

7 जल रंगों से किसी एक विषय पर कार्य करें सभी कार्य को एक फाइल फोल्डर अपने द्वारा बनाकर लगाएं।   8 अनुपयोगी वस्तु से एक गमले का का निर्माण करें

Computer

Answer the following questions.

1. Define the term internet. Write any two uses of Internet.
2. What is the difference between a website and a web page?
3. What do you understand by a web browser? Give any two examples.
4. Give some examples of internet service providers.
5. What is the use of Back and Forward buttons in the Google Chrome window?