



ARMY PUBLIC SCHOOL RATNUCHAK
SUBJECT ENRICHMENT ACTIVITY
SESSION 2023-24
CLASS I

ENGLISH

Draw a picture of your favourite toy and write five sentences about it on A4 size sheet.

HINDI

अपने नाम के पहले अक्षर से शुरू होने वाले कोई पाँच शब्द लिखें तथा उनके चित्र बनाए या चिपकाएँ । उदाहरण - देवांश , द- दवात द- दादाजी



MATHS

Make Maths fun booklet by using colourful sheets. Write tables 2 to 10 and Symbol of mathematical operations (+ , - , x , ÷) in it .
Decorate it by using your own creativity.

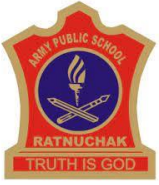
EVS

Draw or paste five things which we can do with our legs and hands. Do this on a colourful chart and make it colourful.

COMPUTER

Paste the pictures of any five electronic machines and write five features about each.

Note:- Do all the activities on Rs 5 Notebook



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CLASS II

ENGLISH

From the words 'GUJARAT' and 'JAMMU AND KASHMIR' make as many words you can make and arrange them in an alphabetical order on A4 size sheet.

HINDI

“मीठू और कौरा” कहानी को अपने शब्दों में लिखकर उससे सम्बंधित एक चित्र बनाओ ।

MATHS

Make a working model of Abacus upto hundred place .



EVS

Let us know about healthy eating. Collect five different types of cereals and five different pulses in zip lock bag and paste it on a scrap book.

COMPUTER

Paste the pictures of different types of computers and explain them briefly.

Note:- Do all the activities on Rs 5 Notebook



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CLASS III

ENGLISH

Make a 'Gender Fish' as shown in the picture. Write the masculine gender on top of the scale and feminine gender inside the scale. (10 genders)

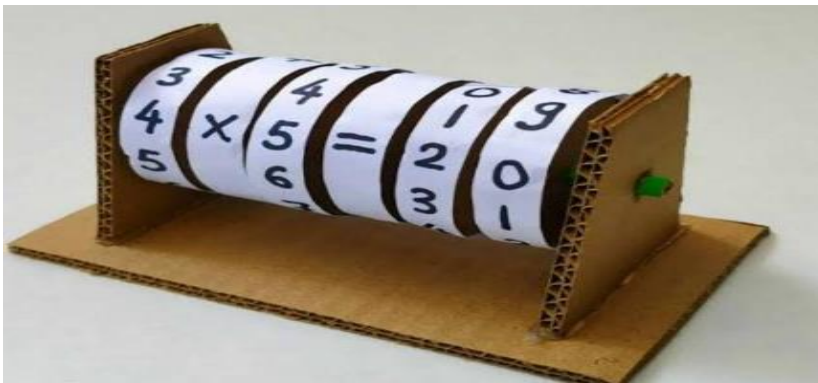


HINDI

फूलों से सम्बंधित कोई कविता लिखकर उसका एक सुंदर सा चित्र बनाए ।

MATHS

Make a working model of multiplication machine.



EVS

Prepare a project on endangered animals of India. Collect information from magazine newspapers, and paste their pictures in your scrapbook.



COMPUTER

Define software and also explain application software and system software.

Note:- Do all the activities on Rs 5 Notebook



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CLASS IV

ENGLISH

Follow the given example: Flower

Declarative sentence : This is a very beautiful flower.

Interrogative sentence : Is this a flower?

Imperative sentence : Don't pluck the flower.

Exclamatory sentence : Wow! What a beautiful flower.

Now, choose any five words of your choice, draw their pictures and frame sentences according to the above example on A4 size sheet.

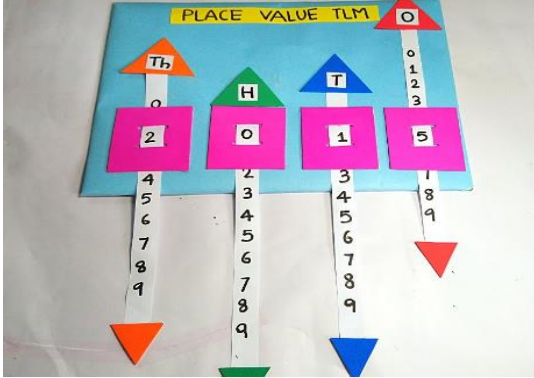


HINDI

पर्यायवाची शब्द की परिभाषा लिखकर नीचे दिए गए शब्दों के दो-दो पर्यायवाची शब्द लिखकर उनसे सम्बंधित एक-एक चित्र बनाइए – आग , चाँद , झंडा , सूरज , घर , तालाब ।

MATHS

Make a working model of place value chart upto ten thousands place.



EVS

Make a working model of respiratory system of human body.



COMPUTER

Define computer ports and its types along with their pictures.

Note:- Do all the activities on Rs 5 Notebook



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CLASS V

ENGLISH

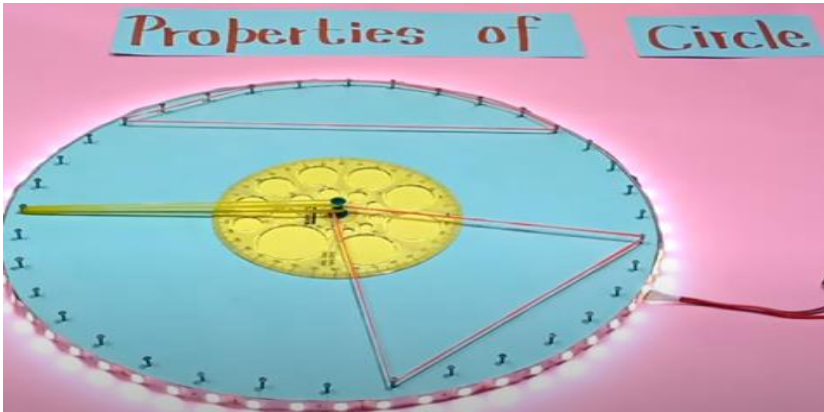
Draw the pencil sketch of Sardar Vallabhbhai Patel. Write five sentences about him. Highlight the 'Subject' of the sentence with pink highlighter and 'Predicate' with green highlighter on A4 size sheet.

HINDI

हमारे देश में बजाये जाने वाले किन्ही पाँच वाद्य यंत्रों के चित्र बनाकर उनके नाम लिखिए तथा उन्हें बजाने वाले किसी एक मशहूर व्यक्ति का नाम लिखिए तथा यह बताइए कि वह किस राज्य से सम्बन्ध रखते हैं।

MATHS

Make a working model of Circle showing properties of circle.



EVS

Collect information about three women achievers of India and two specially -abled women achievers of India. Write a paragraph on each and also draw or paste pictures on a scrapbook.

COMPUTER

Define any five early calculating devices along with their pictures.

Note:- Do all the activities on Rs 5 Notebook

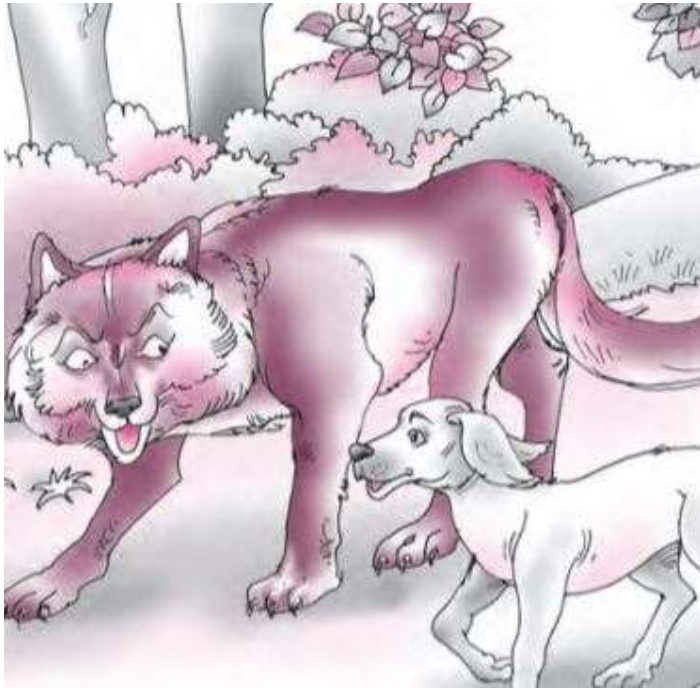


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CLASS VI

ENGLISH

Instructions: Complete the Term- I SEA Activities in file sheets (A4 size) neatly and submit it to the subject teacher on 7 July 2023. Each activity carries marks which will be included in term- I assessment.

1. Give the character sketch of Patrick. 5marks
2. Compose a poem on your own based on the story A Tale of Two Birds with the title 'Two Baby Birds'. 5marks
3. Make a comic strip of the story 'The Friendly Mongoose'. 5marks



4. Write picture composition of the above given picture. You can take reference from the chapter 'How a Dog Found Himself a New Master!' 10marks

HINDI

प्र.१ आज के इस आधुनिक युग में बांस से अनेक चीज़े बनाई जाती है ऐसी कौन-कौन सी चीज़े हैं जो आप अपने घर में सजा सकते हैं चित्र सहित तालिका बनाकर उसका अनुमानित व्यय लिखें | 5

प्र.२ आज के इस इन्टरनेट युग में कौन-कौन से कार्य आज हम घर बैठे कर सकते हैं। दो मित्रों में हुई बातचीत को संवाद के रूप में लिखिए। 5

प्र.३ दस हिंदी के समाचार पत्रों को पढ़कर उनमें प्रयोग होने वाली नूतन शब्दावली को छांट कर कम से कम 50 शब्द अर्थ सहित लिखें |10

प्र.५ 'संयुक्त परिवार'का महत्त्व बताते हुए 100-120 शब्दों में शब्दों में अनुच्छेद लिखिए | 5

MATHS

MODEL (SELECT ANY ONE)

Q1. Cut a paper in a circle shape. Now, cut another coloured paper of the same shape and size and divide it into six equal pieces through the centre. These pieces of paper can be used to show the fraction part of the whole circle. (Material used : Chart paper, colourful sheet, fevistick etc)

Q2. You can create wall clocks using cardboards and needles to show different timings.

Q3. Draw a 2D version of how you want the front of your house to look like. Must include four windows, and two doors. All lines must be drawn with the help of a ruler and must be in centimetres. Students must then determine the perimeter and area of each window and the door. Then you must convert these measurements to millimetres. Houses must be uniformly coloured, and students may add additional features.

SST

Collect information from books, articles or some other resources about the planet size, atmosphere, temperature, distance from the sun and any other unique feature. Based on the reserch students can create a model of the planet using materials such as clay, paper etc and present the model in a class.

SCIENCE

Prepare a working model on any one of the following (Model to be accompanied by a report in about 150-200words):

- 1) COMPOST BIN
- 2) WIND TURBINE
- 3) SIMPLE WATER PURIFIER
- 4) AQUAPONIC GARDEN KIT(Consisting of living plants and aquatic species)
- 5) MODEL OF ANY HOME APPLIANCE WORKING OF SENSORS
- 6) PREPARE A COMIC BOOK ON CHAPTER : SEPERATION OF SUBSTANCES(Use graphics and dialogues to create a wonderful story line)
- 7) OPEN FORUM (Any working 3D model)

COMPUTER SCIENCE

Draw a neat diagram of following in your notebook:

a) IPO cycle as discussed in class. Show the sub parts of CPU and functions of each sub part in that diagram.

b) Chart diagram for different types of computer memory as discussed in class.

Note:

Make each diagram on a plain sheet of A4 paper.

You may use coloured papers to stick on the A4 sheet to make each box.

Or you may colour each box neatly with light coloured crayons/pencil colours to show different units/parts/sub-parts.

Colour of same level of boxes should be the same. Eg- Colour of the boxes of Primary, Secondary and Cache memory will be of the same colour.

SANSKRIT

1. पाठे दत्वा चित्राणि दृष्ट्वा पञ्च पुल्लिङ्गे स्त्रीलिङ्गे च संस्कृत नामानि लिखन्तु (चित्र सहितम्) 10

2. बालक एवं बालिका शब्दरूपं लेखनं स्मरणं च | 10

3. सर्वनाम शब्द लेखनं स्मरणं च | 5



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CLASS VII

ENGLISH

1. Taking the reference to your chapter “Gopal and the Hilsa Fish”, prepare a Comic Strip for the chapter “The Three Questions ”. (10 Marks)
- 2 .In the story “The tiny teacher” you learnt that ants being the tiniest creatures in the world fulfill their duties with full dedication. In fact, they carry out their tasks very sincerely. Write a letter to your younger brother asking Him to Be Disciplined and Regular in His Daily Life. (10 Marks)
3. The story "Bringing up Kari" illustrates the special bond that can exist between humans and animals, and how this bond can enrich our lives in many ways. Prepare a Word Web that describes Kari – The baby elephant. Also make a poster on “ STOP ELEPHANT HUNTING ” (05 Marks)
4. Revise syllabus of PT 1 to be held in July.
5. Complete Worksheet/ Grammar exercises given in holiday homework.

HINDI

प्रश्न-1 यदि आपके घर के किसी स्थान पर किसी पक्षी ने अपना आवास बनाया है और किसी कारणवश आपको अपना घर बदलना पड़ रहा है तो आप उस पक्षी के लिए किस तरह के प्रबंध करना आवश्यक समझेंगे? लिखिए। 10

प्रश्न-2 कठपुतली कैसे बनाई जाती है ? कठपुतली बनाकर कक्षा में कठपुतली का खेल दिखाइए। 10

प्रश्न- 3 ‘मोनू स्कूल बैग्स’ अपने बैगों की बिक्री बढ़ाना चाहते हैं। इसके लिए एक विज्ञापन तैयार कीजिए। 5

MATHS

Q1 3D Pop up nets of polyhedral

SST

Make a model which shows socio economic conditions and settlements of tribal communities by making miniatures of tribal people , their houses, forest around them and other activities which depict their social and economic life.

SCIENCE

Prepare a working model on any one of the following (Model to be accompanied by a report in about 150-200 words):

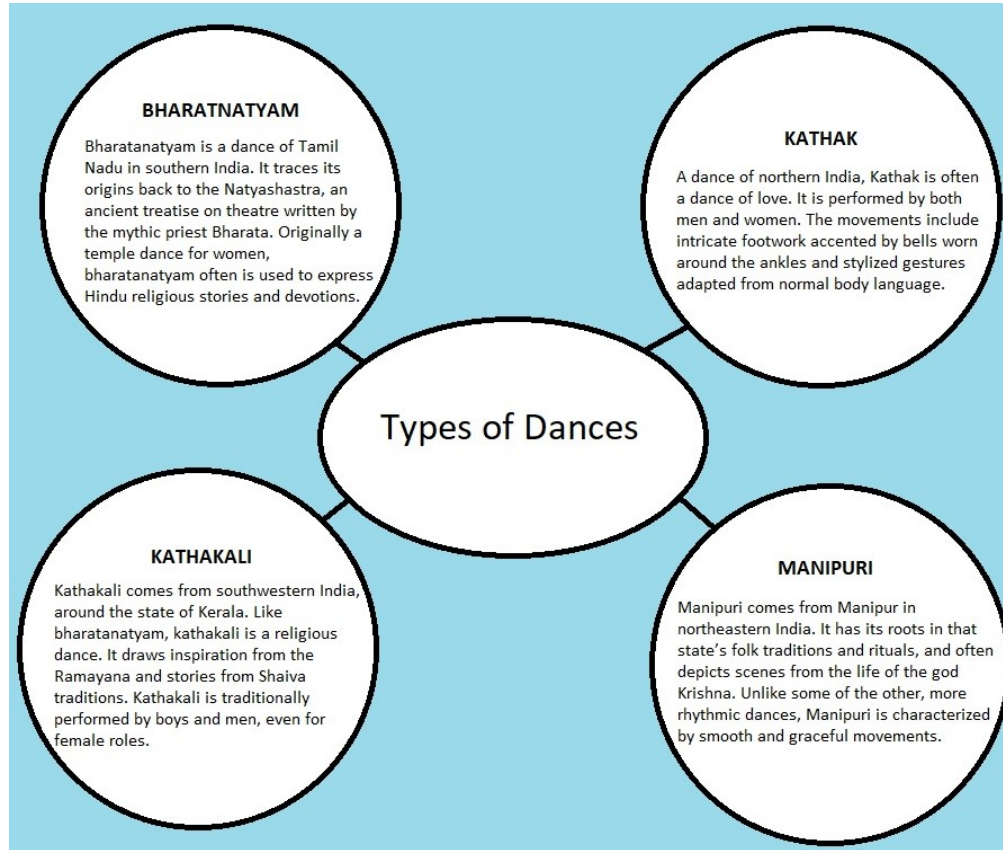
- 1) PORTABLE MICROSCOPE
- 2) PERISCOPE
- 3) POTATO CLOCK
- 4) PIN HOLE CAMERA
- 5) LEMON BATTERY
- 6) PREPARE A COMIC BOOK ON CHAPTER : HEAT
(Use graphics and dialogues to create a wonderful story line)
- 7) OPEN FORUM (Any working 3D model)

COMPUTER SCIENCE

On an A4 sheet, draw and neatly colour bubble-diagrams explaining the following.:

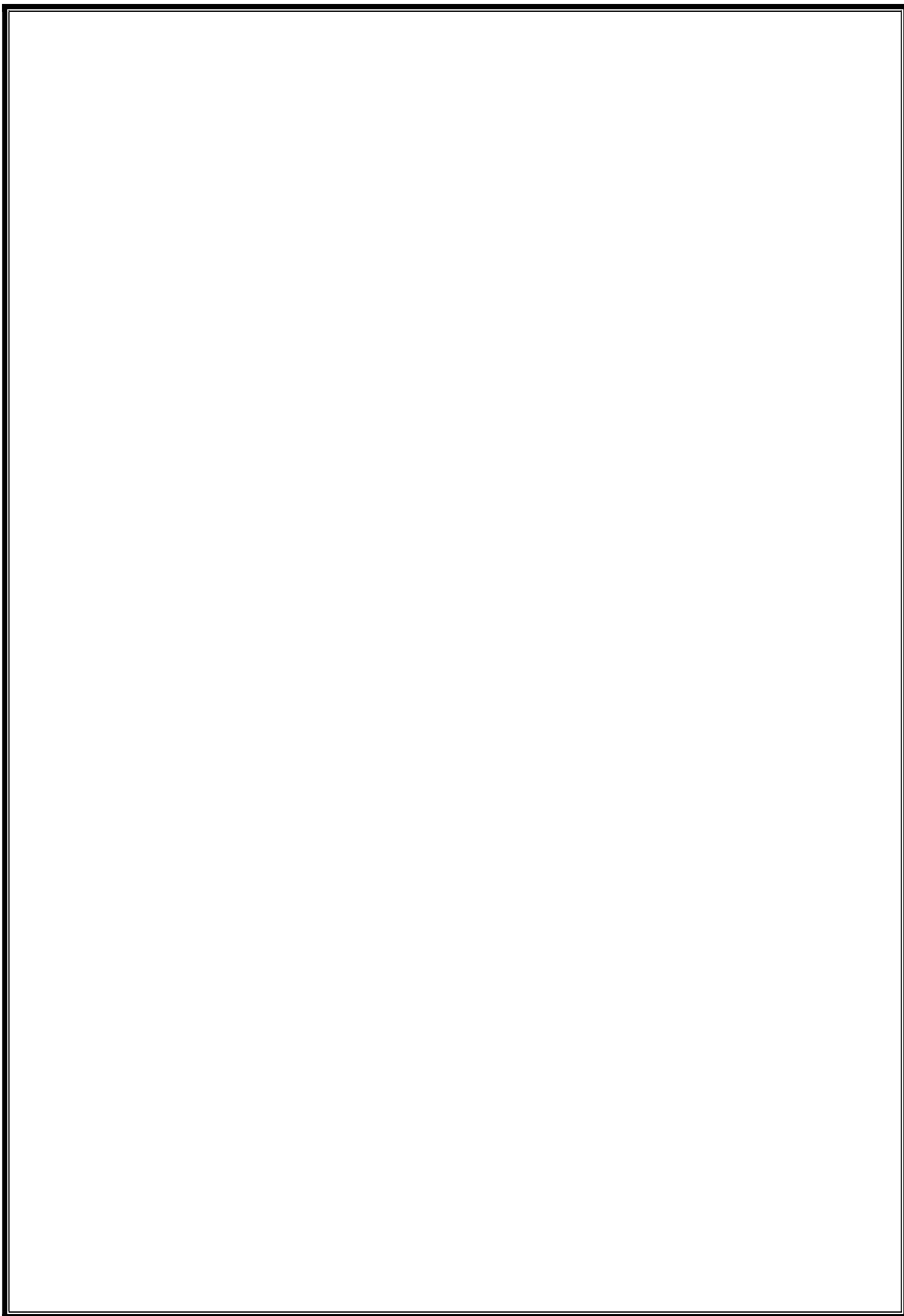
- a) 4 different viruses in detail.
- b) 4 types of positional number systems

Note: Example of a bubble diagram about different dances is given below for your reference.



SANSKRIT

1. अस्माकं राष्ट्रीय प्रतीकान्विषये लेखनं स्मरणं च चित्र सहितम् । 10
2. स्व परिचयं लेखनम् । 10
3. कारक । 5





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CLASS VIII

ENGLISH

1. In reference to your chapter “The Tsunami”, write a diary entry in about 120-150 words about the destruction caused because of this natural disaster. Also find out instances where animals because of their sixth sense could save people. **(5 MARKS)**
2. In the story “How the camel got his hump” you learned that sitting idle makes people (and animals) grumpy. Write a letter to your younger brother to utilize his summer vacations constructively. (You can also suggest him to go for trekking, try new things and learn something new instead of sitting idle and wasting time on useless things. **(10 MARKS)**
3. Write an essay on The Life of a Child Worker. **(5 MARKS)**
4. In reference to your chapter “Glimpses of the Past”, write a Speech on “India’s struggle for freedom”. Also paste pictures of any 5 freedom fighters of India and write their slogans underneath. **(5 MARKS)**
5. Revise syllabus of PT 1 to be held in July.
6. Complete Worksheet/ Grammar exercises given in holiday homework.

Note: Write the format of the assigned writing skill question and rule chart for Assigned worksheets.

HINDI

प्रश्न- 1 आज विश्व में कहीं भी संवाद भेजने और पाने का एक बड़ा साधन इंटरनेट है। पक्षी और बादल की चिट्ठियों की तुलना इंटरनेट से करते हुए दस पंक्तियाँ लिखिए। (5)

प्रश्न- 2 लाख की वस्तुओं का निर्माण भारत के किन-किन राज्यों में होता है? लाख से चूड़ियों के अतिरिक्त क्या-क्या चीज़ें बनती है? ज्ञात कीजिए व भारत का मानचित्र लगाकर उस पर दर्शाएँ।
10)

प्रश्न – 3 अनुमान कीजिए यदि बस जीवित प्राणी होती, बोल सकती तो वह अपनी बुरी हालत और भारी बोझ के कष्ट को किन शब्दों में व्यक्त करती? 150 शब्दों में लिखिए। (10)

MATHS

Model on making a wall clock using perfect square numbers

SST

Prepare a model of different types of resources. For this activity, use cardboard/theromocol. Make miniatur of natural and man made resources and fix the miniature on thermocol.

SCIENCE

Prepare a working model on any one of the following (Model to be accompanied by a report in about 150-200 words):

- 1) KALEIDOSCOPE
- 2) SCIENCE BASED BOARD GAME
- 3) PREPARE ANY THREE NATURAL INDICATORS FOR ACIDS AND BASES.
- 4) WATER HEATER BASED ON SOLAR ENERGY
- 5) WORKING MODEL OF AN ESCALAVATOR
- 6) PREPARE A COMIC BOOK ON CHAPTER : MICROORGANISMS –FRIENDS AND FOE

(Use graphics and dialogues to create a wonderful story line)

- 7) OPEN FORUM (Any working 3D model)

COMPUTER SCIENCE

MS Access- In your computer notebooks,

- a) Write the steps involved in creating a blank database with a table called Passengers. The table should have details about every passenger travelling on different trains in India. You can include fields of your choice as per real life reservations, but please include PNR number as first field and primary key.
- b) Also make a table diagram with 5 records to show how the table will look when some data is entered in it.

SANSKRIT

1. भारतीय संस्कृतये षोडश-संस्करानां नामानि लिखत | 10
2. संस्कृत साहित्ये प्रसिद्ध पञ्च कविनां नामानि एवं रचनाद्वयं लिखन्तु। 10
3. अव्यय शब्दस्य परिभाषालिखित्वा कोऽपि विंशतिः अव्यय पदं लिखत्। 5



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CLASS IX

ENGLISH

Q1. Margie even wrote about it that night in her diary. On the page headed 17 May 2157, she wrote, “Today Tommy found a real book!” It was a very old book. Margie’s grandfather once said that when he was a little boy his grandfather told him that there was a time when all stories were printed on paper. They turned the pages, which were yellow and crinkly, and it was awfully funny to read words that stood still instead of moving the way they were supposed to — on a screen, you know. And then when they turned back to the page before, it had the same words on it that it had had when they read it the first time.

Imagining yourself as Margie write a diary entry stating how happy you would have been to study in the old kind of school or reading an old kind of a book. Your diary entry should be dated 20th April, 2157. (100 – 150 words) 5M

Q2. Draft your interview (Questions and Answers) for a magazine/ for a job, or by the police. What kind of questions are they asked, and how do they answer? Write at least 10 questions with their answers. 10M

Q3. Select a well-known piece of literature that you have studied in English class, and rewrite the ending. Try to make the ending ironic or humorous, and share it in writing. Take an example of the story, “The Lost Child”. You can share the ending of the same also. 5M

Q4. One of poetry’s hallmarks is that it uses language economically. While a piece of fiction might describe a character in a paragraph or two, a poem might do so in a line. Poetic devices are a form of literary device used in poetry. Poems are created out of poetic devices composite of: structural, grammatical, rhythmic, metrical, verbal, and visual elements. Read the poem, “WIND” from your book BEEHIVE and find out at least five (5) poetic devices with two examples each. 5M

HINDI

प्रश्न-1 भक्तिकालके 5 कवियोंकेचित्रचिपकाएँउनकीप्रमुखरचनाओंकेनामभीलिखिए। 5

प्रश्न- 2 आपकेजीवनमेंअनुशासनकाक्यामहत्वहै ?अनुशासनहमारेलिएकितनामहत्पूर्णहै ?

अनुशासनकामहत्वबतातेहुएसंकेतबिंदुओंकेआधारपर 150 शब्दोंमेंअनुच्छेदलिखिए।

संकेत बिंदु- 5

- अनुशासन का अभिप्राय
- अनुशासन का महत्त्व
- सफलता के लिए अनुशासन आवश्यक

प्रश्न- 3सड़क पर टहलते हुए आपको एक बैग मिला, जिसमे कुछ रुपये, मोबाइल फोन तथा अन्य कई महत्वपूर्ण कागज़ात थे। लगभग 25-30 शब्दों में एक विज्ञापन तैयार कीजिए कि अधिकारी व्यक्ति आपसे संपर्क कर अपना बैग ले जाए।

प्रश्न 4- ‘गिल्लू’ पाठ के आधार पर बताइए कि कौए को एक साथ समादरित और अनादरित प्राणी क्यों कहा गया है?

प्रश्न-5 एवरेस्ट की शिखर यात्रा में किन-किन लोगों ने लेखिका बछेन्द्री पाल को सहयोग दिया?

MATHS

Proof of area of circle

SST

Collect information of different forms of government existing in the world. Paste the world map on cardboard and mark the countries that have different form of government by using different colours or symbols. For example you can use blue colour for democracies, red for dictatorship, yellow for monarchies and green for oligarchies.

SCIENCE

Prepare a working model on any one of the following (Model to be accompanied by a report in about 150-200 words):

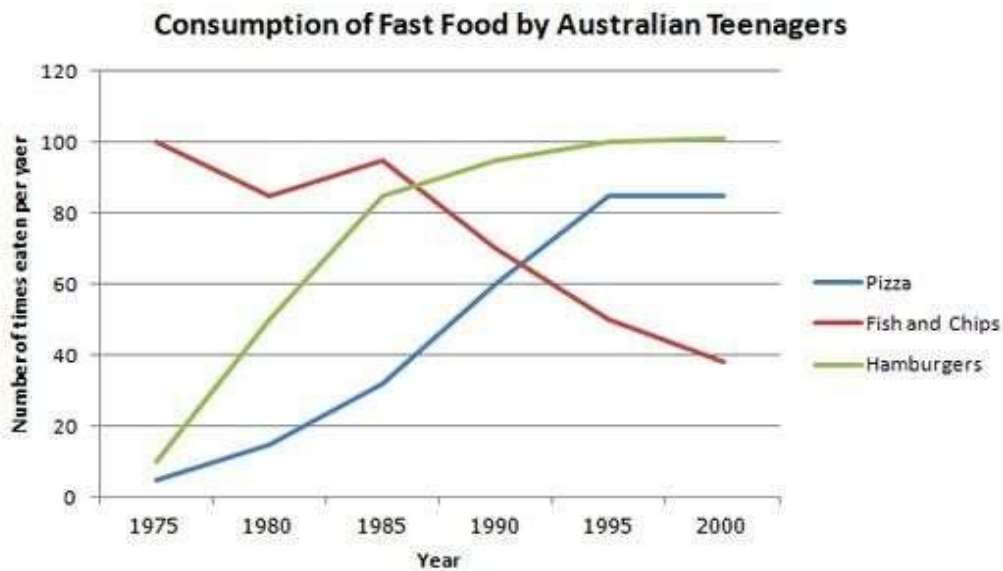
- 1) SOLAR CARS
- 2) OBSTACLE AVOIDING ROBOT
- 3) RAIN WATER HARVESTING AND ELECTRICITY GENERATION
- 4) SENSOR SECURITY AT DOORS
- 5) ASTRONOMICAL TELESCOPES
- 6) PREPARE A COMIC BOOK ON CHAPTER : MOTION
(Use graphics and dialogues to create a wonderful story line)
- 7) OPEN FORUM (Any working 3D model)



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CLASS X

ENGLISH

Q1. The line graph below shows changes in the amount and type of fast food consumed by Australian teenagers from 1975 to 2000. Summarize the information by selecting and reporting the main features and make comparisons where relevant. Write at least 150 words. (4marks)



Q2. The following table shows details about the different internet activities for six categories of people according to different age groups. Study the table and write an analytical paragraph based upon it in about 100- 120 words. (4marks)

Internet Activities by Age Group

Activity%	Age group						
	Teens	20s	30s	40s	50s	60s	70+
Get News	76	73	76	75	71	74	70
Online games	81	54	37	29	25	25	32
Downloads	52	46	27	15	13	8	6
Product research	0	79	80	83	79	74	70
Buying a product	43	68	69	68	67	65	41
Searching for people	5	31	23	23	24	29	27

Q3. Write a paragraph in not more than 200 words on the following topic- 'Stress and anxiety that I face in today's world.' (4marks)

Q4. Prepare a computerized 'RESUME' (A4 size paper) imagining yourself applying for an internship at your chosen profession covering following points - **(4marks)**

✓Personal Details

✓ Attach Passport size photo

✓Academic Qualifications

✓Achievements in sports or extra-curricular activities

✓Hobbies

✓Likes and Dislikes

✓Weakness and strengths

✓Special traits you possess

Q5. Positive attitude in life can make the world a better place to live in. Do you agree or disagree? Express your views in about 100-150 words with reference to the poems 'Dust of Snow' and 'Fire and Ice'. **(3marks)**

Q6. All parental acts are for the betterment of children. Justify the statement by taking examples from the lesson 'His First Flight'. Answer in about 100-150 words. **(3marks)**

Q7. Explain the following proverbs/idioms with examples and illustration. **(3marks)**

1. Appearances are deceptive
2. Everything that glitters is not gold
3. Action speak louder than words

HINDI

प्रश्न-1 मीरा ने श्री कृष्ण के रूप सौंदर्य का वर्णन कैसे किया है ? मीरा की भक्ति किस प्रकार थी ?
प्रश्न-2 बड़े भाई साहब ने तत्कालीन शिक्षा प्रणाली की जिन कमियों की ओर संकेत करते हुए अपने फेल होने के लिए उसे उत्तरदायी ठहराने की कोशिश की है, उससे आप कितना सहमत हैं? अपने विचार लिखिए ।

MATHS

MODEL (SELECT ANY ONE)

Q1. To construct maths working model on volume of sphere = $\frac{4}{3} \pi r^3$

Q2. How many bricks will be required for a wall which is 16cm long, 40cm high and 24cm thick, if each brick measures 16 cm×8 cm×4 cm? Construct a working model for the above question.

SST

Build a model of water reservoir in India or rain water harvesting to learn the importance of water conservation and the role of reservoir in providing water for agriculture industry and domestic use.

SCIENCE

Prepare a working model on any one of the following:

(Model to be accompanied by a report in about 150-200 words)

- 1) WORKING MODEL OF HUMAN HEART
- 2) LASER HOME SECURITY
- 3) SOLAR OVEN
- 4) FORENSIC SCIENCE-building your own tool to identify DNA.
- 5) WASTE MANAGEMENT AND RECYCLING WORKING MODEL
- 6) PREPARE A COMIC BOOK ON CHAPTER : LIGHT
(Use graphics and dialogues to create a wonderful story line)
- 7) OPEN FORUM (Any working 3D model)