

GURUKUL INTERNATIONAL SCHOOL, Haldwani

HOME WORK FOR SUMMER BREAK (2024-25)

Class- IV

ENGLISH

- 1 Imagine you're feeling stressed before the exam. Name 5 activities which might help you relax ? Which out of following according to you is the best way to improve your concentration before exams?
 - a) Taking a nap
 - b) Drinking a caffeinated beverage
 - c) Going for a run
 - d) Meditating for a few minutes
- 2 **Speaking skills**
Prepare a debate in favour or against the motion: 'Animals should be kept in captive.'
- 3 **Problem solving**
You and your friends are planning a picnic in the park, but it might rain. What options would you consider to ensure the picnic is still enjoyable, regardless of the weather ?
- 4 **Public speaking**
Prepare a short video in about 1 minute speaking on the topic: "My favorite place to visit and what makes it special."
- 5 **Creativity**
Using your creativity, draw colorful pictures to best describe the given story-
"One day, Winnie the Pooh Bear set out on an expedition to find honey. Along the way, he encountered his friends Piglet, Rabbit, Eeyore the donkey, and Tiger. Together, they went on a journey through the Hundred Acre Wood, facing challenges and having adventures. From rescuing Piglet from a trap set by a hunter to helping Eeyore find his lost tail, the friends showed kindness, bravery, and the true meaning of friendship."

MATHEMATICS

- 1 **Area of 10 largest states of India**
The following table shows the area of the ten largest states of India. Study the table and answer the questions that follow.

State	Area (in km ²)
Gujarat	1,96,024
Chattisgarh	1,35,191
Rajasthan	3,42,239
Tamilnadu	1,30,058
AndhraPradesh	1,62,968
Maharashtra	3,07,713
Karnataka	1,91,791
Odisha	1,55,707
UttarPradesh	2,43,290
MadhyaPradesh	3,08,350

Answer the following questions

- a) Write the area of Madhya Pradesh in words.
 - b) Order the States in descending order on the basis of their areas.
 - c) Write the area of Tamil Nadu in expanded form.
 - d) Divide the area of Gujarat by 2
- 2 **List of top 5 mountains**
A list of the top 5 mountain peak of India is given below. The heights are given by both National and international standard of measurement.
 - i) Mountain Peak: Kanchenjunga; Hill Range: Himalayas; Height: 8586 m (28169ft)
 - ii) Mountain Peak: Nanda Devi; Hill Range: Garhwal Himalayas; Height: 7816 m (25643ft)
 - iii) Mountain Peak: Kamet; Hill Range: Garhwal Himalayas; Height: 7756 m (25446ft)
 - iv) Mountain Peak: Saltoro; Hill Range: Saltoro Mountains Karakoram; Height: 7742 m (25400ft)
 - v) Mountain Peak: Sasser Kangri; Hill Range: Saser Muztagh, Karakoram; Height: 7672 m (2517ft)

Answer the following questions

- 1 What is the height of the Kamet and the Nanda Devi mountain peak together in metres?
 - a) 15,570
 - b) 15,572
 - c) 15,500
 - d) 15,555
- 2 How much tall is the Kanchenjunga than the Saltoro Kangri mountain peaks in metres?
 - a) 800
 - b) 840
 - c) 844
 - d) 850
- 3 How much tall is the Kanchenjunga than the Nanda Devi mountain peak in metres?
 - a) 700
 - b) 750
 - c) 760
 - d) 770

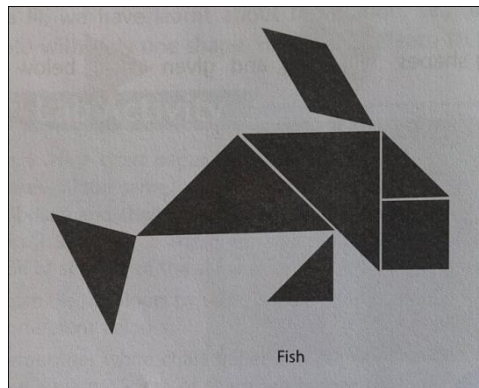
- 4 What is the difference between Nanda Devi and Kamet hill range in metres?
 a) 60 b) 80 c) 50 d) 160
- 5 Identify the place of 8 in 7, 89, 603.
 a) ten thousand b) thousand c) tens d) ones
- 3 A Consider the number 8, 2, 4, 0, 5
 a) Form the greatest and smallest number using above numbers.
 b) Find the difference of greatest and smallest number formed.
 c) Is the difference is divisible by 5 ?
- B Write the following as Roman Numerals.
 a) Number of days in a week _____
 b) Number of days in the month of February of a leap year _____
 c) Number of teeth a normal adult has _____
- C How many Rs. 20 notes do you need to make Rs. 2000 ?

Activity 1

- 4 Make a collage by pasting some 3D objects in A-4 sheet and paste it in your holiday homework copy.

Activity 2

- 5 Draw a tangram fish using coloured sheet and answer the questions.



- i) Number of triangle _____
 ii) Number of square _____
 iii) Number of parallelogram _____

SCIENCE

- 1 Define
 i) Alimentary canal ii) Adaptation
- 2 Differentiate between healthy food and junk food.

Life skills

- 3 Take 4 same - sized pieces of fabric which is available in your home like cotton, silk, wool and polyester. Now take 4 beakers and label them A, B, C and D. Pour equal amounts of water in all the four beakers. Soak the cotton fabric in beaker A, wool in beaker B, silk in beaker C and polyester in beaker D. After sometime remove the fabric pieces from all the beakers.

- i) Which fabric absorbs maximum amount of water ?
 ii) Do you think clothes made from water proof material like polythene will be comfortable to wear? Why ?

- 4 Draw a diagram of different parts of plant with root and shoot system. Cut the different parts of a plant by using different coloured paper and paste it over the diagram and label it. (In A4 sheet)

- 5 Complete the given table .

Types of teeth	Shape and location of teeth	Total number of teeth	Function
Canines		4	
	Chisel-shaped and present in the front of the mouth	8	
		12	Grinding and chewing food
Premolars		8	

- 6 Draw a diagram to show the following parts of an egg-shell, yolk, albumen. Also show where the embryo develops.

Case study

- 7 One day Raju got thirsty and he drank the water available in the bottles at the roadside. Next day he suffers from loose motion and dehydration.

Read and answer

- i) Which microbe could be the reason behind his condition?
 ii) List some diseases caused by drinking contaminated water.
 iii) Write some ways to prevent water borne diseases.

8 Assertion and reason questions.

The following questions consists of two statements assertion (A) and Reason (R).

Answer these questions by selecting the appropriate option given below.

- Both A and R are true and R is the correct explanation of A.
- Both A and R are true but R is not the correct explanation of A.
- A is true but R is false.
- A is false but R is true.

Assertion and Reason

i) Assertion (A) - Lamina of leaf is green and helps in photosynthesis.

Reason (R) - It is the green due to the presence of green coloured pigment.

ii) Assertion (A)- Food containing fats and carbohydrates are called protective food.

Reason (R) - Fats provide twice as much energy provided by the same amount of carbohydrate.

SOCIAL SCIENCE

1 Define

- i) Bridge ii) Perennial river iii) Desert iv) Basin v) Valley

2 Select any five states and fill in the required information .

Name of the state	Capital	Type of vegetation found	Type of wildlife found	National parks

3 Make a project on the state you live in, geographical location, physical features ,places of tourist interests, clothing, food and festivals.

Life skill

4 You might have seen solar panels for electricity and solar heaters for hot water being installed at the roofs of houses, hospitals, hotels etc. Now a days most of the people prefer these methods.

- What kind of source of energy is used here
- How will it help our environment?

5 Make a model of terrace farming with clay. Follow the steps given below.

- Put a moist lump of clay on a cardboard piece and make a mountain
- Now on the steps make flat terraces
- Paint your model when it is dry
- Use brown colour for mountains and green colour for terraces.

Case study

6 Rama's grandmother lives alone in her village. None of her children go to meet her. She feels lonely and cries many times.

- How can Rama interact with her grandmother daily so that her grandmother does not feel alone ?
- Why do you think means of communication are important ?
- Name three means of communication.

7 There are so many historical monuments in the Northern plains of India. You may plan to visit them. Prepare a list of Dos and Don'ts which you should follow while visiting these monuments.

HINDI

1 जल ही जीवन

हम बरसात के पानी का संरक्षण किस प्रकार करते हैं।

- बहते पानी को रोककर
- पानी को लगातार बहने दें

उपरोक्त में से आप किस बिन्दु से सहमत हैं और क्यों इस पर अपने विचार व्यक्त कीजिए।

2 समस्या समाधान (केस स्टडी)

अगर आप नगर निगम के अध्यक्ष होते तो नगर के विकास के लिए आप नीचे दिए गए क्षेत्रों पर किस प्रकार कार्य करते।

- शिक्षा के क्षेत्र में
- चिकित्सा के क्षेत्र में

3 चलचित्र सारांश

रंगीन पेपर को काटकर गुब्बारे बनाइए और उसमें कविता में दिए गए कल्पनात्मक बादलों को चित्रित कीजिए।

झब्बर झब्बर बालों वाले

गुब्बारे से गालों वाले,

लगे दौड़ने आसमान में

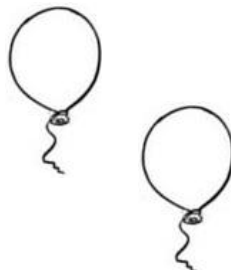
झूम-झूम कर काले बादल

कुछ जोकर से तोंद फुलाए

कुछ हाथी से सूँड उठाए

कुछ ऊँटों से कूबड़ वाले

कुछ परियों से पंख लगाए।



- 4 **फिल्म सारांश**
 एक जंगल जंगल में सरोवर सरोवर में सारस लोमड़ी और सारस की मित्रता
 मछलियों को पकड़कर खाना भोजन पर आमंत्रण झटपट भोजन खाना शर्मिदा होकर
 वापस जाना
- संकेत बिन्दुओं के आधार पर कहानी को चित्रों के माध्यम से लिखिए।
- 5 आपका घर विद्यालय से बहुत दूरी पर है, आपको विद्यालय जाने के लिए, कई यातायात के साधनों का प्रयोग करना पड़ता है। इस कारण आपने स्कूल बस का प्रयोग किया है यातायात के विषय पर कम से कम 50 शब्दों का भाषण तैयार कीजिए।
- 6 आजकल बढ़ती आबादी व भवन निर्माण के कारण पेड़ों का अधिक कटाव हो रहा है। पेड़ों की सुरक्षा के लिए, अपने सुझाव व्यक्त करते हुए 1-5 मिनट का वीडियो तैयार कीजिए।

COMPUTER

Critical thinking

- 1 How does computer memory differ from human memory ?
- 2 Have you ever encountered different operating system on devices you use at home ? Describe them.
- 3 Sahil could not finish his project work in the class, so he wants to carry the softcopy of the project to his house in order to finish it. Which device will you suggest him to fulfill the task ?

Case study

- 4 Sakshi has taken a complete backup of all the files she has stored in her laptop. She calculated and found that the backup files of 16 GB.
 - i) Which storage device she can use to store files ?
 - a) DVD
 - b) CD
 - c) PD
 - ii) What is the storage capacity of hard disk ?
 - a) 8 TB
 - b) 17 GB
 - c) 4.7 GB

Project based question

- 5 Draw /paste different types of 'Android's version on a file page and label them.
- 6 Write the various size of computer memory on a file page and draw/ paste picture of storage devices.
- 7 Name the latest version of MS Word and MS Power Point. Write their some application.