

GREEN MOUNT GLOBAL SCHOOL, Bhimtal

HOME WORK FOR SUMMER BREAK (2024-25)

Class- VII

ENGLISH

1 Yoga is now considered.

- a) Suitable only for those students who have learning disabilities
- b) Suitable for school students

In the light of above statements and give your opinion.

By introducing yoga in school, the teachers would

- a) have to first learn yoga themselves
- b) be compelled to put in extra effort in getting students to do yoga
- c) see an improvement in interpersonal relationships

Explain why you agree to option a or b or c ?

2 **Speaking Skills**

You are Sonam /Prem wants to speak on plastic pollution. Prepare speech in about 50 words.

3 **Problem Solving**

Radha a student of class 7th is suffering from illness causing her to become very weak.

Suggest 5 ways to improve her health.

4 **Public Speaking**

Read an article on the use of net beyond requirement which is wasting of money and time both. Prepare a speech in about 50 words and prepare a video for 1.5 minutes.

Note following words and their simplified pronunciation. Then find simplified pronunciation for given words.

Word	Simplified pronunciation
Schedule	Sheh -dyool
Police	Puh- lees
Hotel	hoh-tel
Plumber	pluh- muh

Now you do

Women, sour, zebra, dengue, fallacy, quote, knowledge.

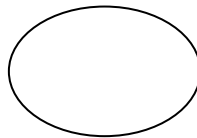
5 **Cinema time_ (Critical thinking)**

Using colored paper draw following creatures inside the balloons.

I am a tiny bird with a long beak.

I love to drink nectar.

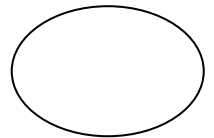
I am the beautiful Humming bird.



I have wings to fly with.

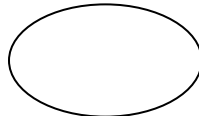
I buzz around collecting nectar.

I am the sweet Honey Bee.



I am a small insect with dots on my body.

I am clever. I am the wise lady Bird.



The Crow and the Pitcher

‘If you do not succeed keep trying till you do’

Film Synopsis

There is Crow who sings very well and his best friend is the Butterfly. During one of his performances, the Crow needs some water as his throat is dry. The Meerkat brings him water in a large pitcher to quench his thirst.

However, the crow's beak is not big enough to reach the water in the pitcher. After many attempts made by the Butterfly and the Meerkat to help the Crow they realize that the water level in the pitcher rises by throwing pebbles into it. They keep doing so till the water level rises up to the top and the Crow drinks the water.

Life Skills: Decision making, coping with stress, creative thinking

Values: Perseverance, hard work, support

Attitudes: Optimism, self – confidence

Make a film by illustrating different stages of story using colours then questions to be answered after the film

- What was the Crow talented at ?
- Who were the Crow's friends ?
- Why did the Crow stop singing ?
- Why could the crow not reach the water in the pitcher ?
- How did he finally drink the water from the pitcher ?
- What would have happened if the crow had given up ?

6 Mention three things we can learn from the ‘tiny teacher: like ant, bee etc. Give reasons for choosing them.

MATHEMATICS

1 Paradise on Earth

Srinagar is the largest city and summer capital of the Indian union territory of Jammu and Kashmir. The capital city of Srinagar is located 1585 m above the sea level.

The city lies in the Kashmir valley, on the banks of the Jhelum River. The city is known for its natural environment, gardens, waterfronts, lakes and houseboats. It is famously known as the 'Paradise on Earth'.

In Srinagar, January is the coldest month with an average high temperature of 3.8°C and an average low temperature of -5.4°C . The lowest temperature ever recorded in recent years was -7.6°C .

Answer the following questions.

- Srinagar is located 1585 meters above the sea level. The height of Srinagar using integers can be represented as
 - 1585
 - +1585
 - 0
 - none of these
- The lowest temperature ever recorded in Srinagar in recent years was -7.6°C . The minus sign (-) represents:
 - Hot temperature
 - Cold temperature
 - normal temperature
 - none of these
- On a Monday, temperature at Srinagar was -2.6°C and then it dropped by 3°C on Tuesday. What was the temperature of Srinagar on Tuesday?
 - -5.6°C
 - 5.6°C
 - 1.6°C
 - -1.6°C
- On Wednesday, temperature of Srinagar rose by 2°C . What was the temperature on this day?
 - -0.6°C
 - -3.6°C
 - -4.6°C
 - 3.6°C
- On a particular day, the temperature at 12 noon was 18°C above zero. If the temperature decreases at the rate of 2°C per hour until midnight, what would be the temperature at midnight?
 - 12°C
 - 4°C
 - 0°C
 - -6°C

2 The Cycle Girl

Jyoti Kumari, 'The Cycle Girl', bicycled about 1200 km with her injured father from Gurugram, a city near Delhi, to reach their village at Darbhanga district in Bihar during Covid-19 lockdown in 2020. She was conferred with the 'Paradhan Mantri Bal Puraskar'.

Her complete journey of seven days is represented on a number line shown below assuming that she covers the same distance every day.



Answer the following questions.

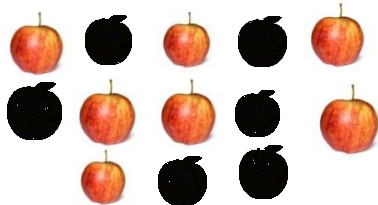
- The fraction of the part of her complete journey that she covers on the 4th day is
 - $1/2$
 - $1/3$
 - $1/4$
 - $4/7$
- By the 3rd day, she had covered $3/7$ parts of her total journey. Three equivalent fractions of $3/7$ are:
 - $1/7, 3/7, 6/7$
 - $6/14, 9/21, 12/28$
 - $3/7, 3/14, 6/14$
 - $6/7, 9/7, 12/7$
- On the 1st day, she had covered $1/7$ part of her journey and in the next three days, she covered $3/7$ part more. The fraction of total distance she covered in four days is:
 - $1/7$
 - $2/7$
 - $3/7$
 - $4/7$
- By the 2nd, 5th and 6th day of her journey, she had covered $2/7, 5/7$ and $6/7$ parts respectively. In ascending order, these fractions can be arranged as
 - $2/7 > 5/7 > 6/7$
 - $2/7 > 6/7 > 5/7$
 - $2/7 < 5/7 < 6/7$
 - $6/7 < 5/7 < 2/7$

Activity 1

- Consider the number 75438.
 - Is this number divisible by 11?
 - Find the sum of its digits at odd places, that is $(7 + 4 + 8) = 19$.
 - Find the sum of its digits at even places, that is $(5 + 3) = 8$.
 - Find their difference.
 - Is this difference divisible by 11?
- Consider the number 497365.
 - Is this number divisible by 11?
 - Find the sum of its digits at odd places, that is $(4 + 7 + 6) = 17$
 - Find the sum of its digits at even places, that is $(9 + 3 + 5) = 17$
 - Find their difference.
 - Is this difference divisible by 11?
- Consider the number 623411.
 - Is this number divisible by 11?
 - Find the sum of its digits at odd places, that is $(6 + 3 + 1) = 10$

Activity 2

Count the number of apples in the following collection.

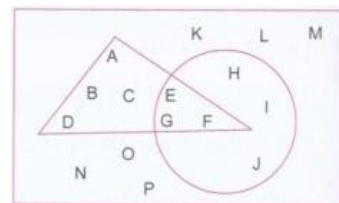


Now, answer the following questions:

- a) How many apples are there in the collection ?
- b) How many red apples are there in the collection?
- c) How many green apples are there in the collection?
- d) Write the fraction of red coloured apples to the collection of all apples.
- e) Represent the ratio between red apple to green apple.

5 Refer the following figure and represent each of the following as a fraction

- i) The letter inside the triangle as part of the given letter (A to P).
- ii) The letters common to the circle and the triangle as a part of the given letters. (A to P).
- iii) The letters not in the triangle inside the circle as part of the letters (A to P).



SCIENCE

1 Define following terms:

- i) Autotrophic mode of nutrition
- ii) Heterotrophic mode of nutrition

2 Differentiate between Ingestion and digestion

3 Life Skills

Make your own kitchen garden: Use some discarded aluminum cans, plastic and glass bottles and containers. Make some holes at the bottom of these. Now put some pebbles in the bottom of each. Then fill up to two – third of these containers with some soil. Plant stems of some herbs such as tulsi, mint and coriander in these pots. Place these containers on a plate so that when you water them the water does not flow out. Water these plants regularly. Once the herbs grow, these can be used in some dishes. Find out which herbs can be used in which food items.

4 Your school organized 'Dental Care Day' the school invited some dentists who examined 10 students of the class who all have common problem of toothache. What advice did the dentist given to them. Mention the points through chart.

5 Fill in the missing information to complete the table given below:

Place of digestion	Digestive Juice	Carbohydrates	Fats	Protein
1 Buccal cavity		Starch	No digestion	No digestion
2 Stomach	Gastric juice	No digestion	Partial digestion	
3 Small intestine		Complete digestion	Complete digestion	
4 Liver		No digestion		No digestion
5 Pancreas			Fatty acid and glycerol	

6 Draw a labeled diagram of the human digestive system. With the help of this diagram, describe the process of digestion of food in humans.

7 Case study

Aim: To study the growth of fungi.

Material required: A piece of bread, water and a box with lid

Procedure: Moisten the bread with water and keep it in a closed box at a warm place for a few days.

Answer the following questions

- a) What changes do you notice on bread after a few days ?
- b) Why does it happen ?
- c) What do you call the formation of fungi ?
- d) Is that spoilage edible ?

8 The question below consists of an assertion and a Reason. Use the following key to choose the appropriate answer.

- a) Both A and R are true and R is the correct explanation of A.
- b) Both A and R are true but R is not the correct explanation of A.
- c) A is true but R is false.
- d) A is false but R is true.

- i) Assertion (A) : Plants prepare their own food with the help of CO_2 + Chlorophyll + light.
Reason (R) : Human beings depend on plants for their food.
- ii) Assertion (A) : The non-green plants that live and feed on dead and decaying organic matters are called Saprophytes.
Reason (R) : Mushrooms are fungi which in grow rainy season.

SOCIAL SCIENCE

- 1 Define the term:
i) Cartography ii) Archaeological sources iii) Indigenous sources iv) Ecosystem
v) Sustainability

- 2 Complete the chart below:

Kings	Period they Ruled
Gurjara- Pratiharas	
Chauhans	
Paramaras	
Chandelas	
Cholas	
Rashtrakutas	
Palas	

- 3 Make a project report on 'Ala-ud-din's market reforms' comparing and contrasting it with modern day market reforms in India.

- 4 Life Skill:

- a) Give the character sketch of Prithvi Raj Chauhan and Mohammad Gauri in the light of first battle of Tarain in which Prithvi Raj defeated Mohammad Gauri but he let him go and second battle of Tarain in which Mohammad Gauri defeated Prithvi Raj Chauhan and he captured him.
- b) How would you organize a campaign for a cleaner environment in your School?

- 5 Take a moulding clay and try to form different types of landforms on earth.

- 6 **Case Study:**

A severe earthquake of 7.8 magnitude struck the thousand the city of Kathmandu in central Nepal on April 25, 2015. About 9,000 people were killed, many thousands were injured, and more than 600,000 structures in Kathmandu and other nearby towns were destroyed. The earthquake was felt throughout central and eastern Nepal, in northern India and north-western Bangladesh, as well as in the southern parts of the Plateau of Tibet and western Bhutan.

The earthquake produced landslides that devastated villages and some densely populated parts of Kathmandu. A number of historic buildings were destroyed. Among them was the Dharahara tower, with many feared trapped in its ruins. The earthquake also triggered an avalanche on Mount Everest that killed at least 19 climbers and stranded hundreds more at Everest Base Camp and at camps higher up the mountain.

- a) The earthquake triggered an avalanche on Mount Everest. What do you think why this had happened?
b) What precautions do you suggest people to prevent themselves from being damaged caused by earth quake?
c) What causes the earth quake?

- 7 Study the following actions. Write PA for Protective action and DA for destructive action and give reason for your answers.

- i) Meena uses a rough book containing one-side used papers.
ii) Lakhan is a police officer who takes money from poachers and does not arrest them.
iii) Abhinav does not use plastic bags.
iv) Syamsundar checks the emission from his automobile regularly.
v) Karthik and his friends plant trees on their birthday.
vi) Shika does not switch off the fans and lights when leaves the room.
vii) Tayub and Pratik do not treat the smoke emitted from their chemical factory.
viii) And mention the skills you would learn from above questions.

HINDI

- 1 आप डेविड रस्तोगी हैं। आपका चयन 'मेटा' के सी.ई.ओ के रूप में हुआ है। आप अपनी कंपनी को बहुराष्ट्रीय स्तर पर ले जाना चाहते हैं।

क) आप इसके लिए बहुराष्ट्रीय कंपनियों की कार्यशैली को अपनाएँगे।

ख) आप अपनी कंपनी की कार्यशैली व कर्मचारियों, दोनों के लिए कार्य करेंगे।

ग) आप केवल कंपनी के लिए कार्य करेंगे।

उपरोक्त में से आप क, ख और ग में किसका चयन करेंगे और क्यों अपने विचार लिखिए।

- 2 आप रोहन हैं। आपके मित्र का नाम सोहन है। आप दोनों अच्छे मित्र हैं। हमेशा एक दूसरे का सहयोग करते हैं। परीक्षा में आपके अंक आपके मित्र से ज्यादा आ जाते हैं। इस कारण आप एक दूसरे से ईर्ष्या करने लगते हैं।

क) आपको अपने मित्र का समर्थन करना चाहिए। जिससे वह आगे बढ़े।

- ख) आपको सबके सामने उसकी निंदा करनी चाहिए।
 ग) आपको अपने मित्र के साथ स्वयं के लिए भी कार्य करना चाहिए।
 उपरोक्त में से आप क, ख और ग में किसका चयन करेंगे और क्यों अपने विचार लिखिए।

3 **मौखिक अभिव्यक्ति Speaking skill**

जी-20 की स्थापना का उद्देश्य अंतरराष्ट्रीय आर्थिक सहयोग और विकास से संबंधित नीतिगत मुद्दों पर समाधान करना था। जी-20 की अध्यक्षता का उद्देश्य वसुधैव कुटुंबकम था। जिसका अर्थ है— एक पृथ्वी, एक परिवार, एक भविष्य। एक जिम्मेदार नागरिक होने के नाते आप किस प्रकार सहयोग करेंगे। इस संबंध में एक भाषण (50 शब्दों में) तैयार कीजिए।

4 **समस्या समाधान Problem solving**

आप पढ़ने में अव्वल दर्जे के हैं लेकिन आपकी आर्थिक स्थिति सही नहीं है। जिसके कारण आप पढ़ाई को सुचारु रूप से जारी नहीं कर पा रहे हैं।

क) ऐसे कौन कौन से बिंदु होंगे। जिसे आप अपने विद्यालय प्रबंधन अधिकारी जी के सामने रखेंगे। जिससे वे आपको निशुल्क शिक्षा प्रदान करने के लिए तैयार हो जाए। कारण सहित लिखिए।

5 **सार्वजनिक बोल Public speaking**

आपके विद्यालय में अंतरविद्यालयी बैडमिंटन प्रतियोगिता आयोजित हो रही है। जिसमें अतिथि के रूप में जिलाधिकारी पहुंचते हैं। उनका परिचय आप किस प्रकार देंगे।

6 **चलचित्र Critical thinking**

स्वतंत्रता पर हम सबका जन्मसिद्ध अधिकार है। इस पर मानव सहित सभी जीव जंतुओं का अधिकार है।

हम पंछी उन्मुक्त गगन के पिंजर बंधन रह पाएंगे।

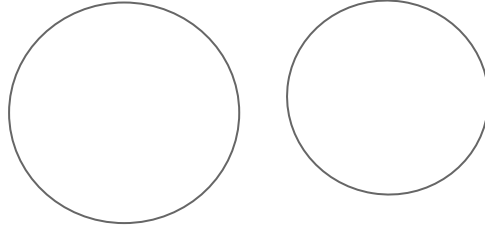
कनक कटोरी की मैदा से पुलकित पंख टूट जाएंगे।

कविता की पंक्ति की सहायता से पक्षियों की स्वतंत्रता को चित्र के माध्यम से रेखांकित गोलों के अंदर दर्शाइए।

7 **चलचित्र फिल्मसारांश**

'मां का प्रेम निरुस्वार्थ होता है'

एक गरीब महिला थी। उसका एक बेटा था। जो 10-11 वर्ष का था। जो अपनी मां की बहुत सेवा किया करता था। मां मजदूरी करके दोनों का पेट भरती थी। एक बार उसकी मां बहुत बीमार हो गई। उसे बहुत बुखार था। बच्चे के पास मां के लिए दवा लाने के लिए कोई पैसे नहीं थे। मां ने सोने के बाद बच्चे से पानी मंगाया। बच्चा गिलास में पानी लेकर आया। जब वह आया। मां को नींद आ गई थी। वह पूरी रात पानी से भरे गिलास को लेकर खड़ा रहा। उसे लगा मां की नींद खुलेगी तो मां मुझसे पानी मांगेगी। इस कारण वह सोया भी नहीं। जब प्रातः काल मां की नींद खुली। मां ने अपने सामने बच्चों को देखा उसके हाथ में गिलास था। जिसमें पानी भरा था। मां ने पूछा—तुम यहां क्यों खड़े हो ? बच्चे ने उत्तर दिया — मां आपने मुझसे पानी मांगा था। जब मैं पानी लेकर आया। तब तुम सो गई थी। इस कारण मैं रात भर जगा रहा। मुझे लगा कि आप उठोगी और मुझसे पानी मांगोगी। यह सुनकर मां ने बच्चों को गले से लगा लिया और उसकी आंखों से आंसू गिर आए।



जीवन कौशल: निर्णय लेना, तनाव से निपटना, रचनात्मक सोच

मूल्य: दृढ़ता, कड़ी मेहनत

दृष्टिकोण: आशावाद, आत्मविश्वास

- 1 कहानी के विभिन्न चरणों को रंगों और फिल्म के बाद पूछे जाने वाले प्रश्नों का उपयोग करके चित्रित करके एक फिल्म बनाएं।
- 2 मां किस प्रकार अपने परिवार का निर्वहन करती थी ?
- 3 बच्चा मां के लिए क्या लाने में असमर्थ महसूस कर रहा था ? और क्यों ?
- 4 बच्चों की कौन सी ऐसी बात थी ? जिसे सुनकर मां के आंखों में आंसू आ गए ?

COMPUTER

- 1 What is the greatest challenge with big data ?
- 2 Why is big data important to society? Is big data a threat to our society?
- 3 You have been given a dataset containing the monthly sales figures of a small grocery store for the past year. Your task is to analyze the data and create a chart to represent the sales trends over the year.
- 4 What steps would you take to organize the data before creating a chart?
- 5 Why is it important to choose the appropriate type of chart for representing the sales trends?
- 6 Define the term : a) velocity b) Big Data
- 7 Explain the different types chart with diagram.