

GREEN MOUNT GLOBAL SCHOOL, Bhimtal
HOME WORK FOR SUMMER BREAK (2024-25)

Class- VI

ENGLISH

1 This given scenario can be seen in our societies.

- a) The school students can be seen haunting for video parlour, cyber café, chatting on the phones and surfing
- b) Sitting on the sofas, enjoying serials and tasty junk food have become their hot spots.

In the light of above statements give your opinion.

If we want a balance state of life.

- a) Need to participate in physical activities.
- b) Need to focus on their inadequate diet.

Explain why you agree to opinion a or b ?

2 **Speaking skills**

You are Neha / Naman, concern about changing of weather. Prepare a speech on the topic “Need to Save the Mother Earth” in about 60 words.

3 **Problem Solving**

Read this story “ The Pact with the Sun” from your text and analyze the situation of Saeeda’s mother in phase 1 and suggest five ways that Saeeda’s mother should have taken before so that she would not be in that situation, which she was suffering.

4 **Public Speaking**

On reading the following headlines in the ‘Haldwani Times’ you are greatly troubled at the increasing rate of crimes in your town. Give your reactions in the shape of speech in about 100 words and prepare a video of two minutes. Examine the causes and suggest measures to overcome them.

- Old couple murder mystery
- Chain snatched in the park or on the roads.
- Kidnapping cases
- Women’s disrespect
- Business rivalry
- Car thieves busted

5 **Following given words with their simplified pronunciation.**

| Words | Simplified pronunciation |
|-----------|--------------------------|
| Curtain | kur-tn |
| Determine | dih-tur-min |
| Envelop | uhn-veh-luph |
| Envelope | en-vuh-lowp |

Go through the above given words and their simplified pronunciation. Now attempt the given words. Academic, Colonel, comment, accomplish, Vehicle, women.

6 **The Paragon of Intellect**

The only way to do great work is to love what do you do. - Steve Jobs

Steve Jobs was an American entrepreneur, inventor and co-founder chairman and CEO of apple. Through apple he is widely recognised as a charismatic and design driver pioneer of the personal computers revolution. He envisioned a time when computer like the one he had made would be linked to a nationwide communication network. The first Macintosh computer brought technologies such as iPod, iPhone and the iPads. These creations successfully disrupt the universe of gadget and entertainment. Jobs made things for people before they needed it.

Life skills- Creative thinking, decision-making and imagination.

Values - Importance of perseverance, respecting hard work, strive to overcome obstacles.

Attitude- Optimism, self-confidence, Consistent discipline.

Answer the following questions.

- a) What was Steve Jobs famous for ?
- b) What marked the extraordinary life of Steve Jobs ?
- c) Pick out two adjectives from the passage to describe Steve Jobs.
- d) Depict Steve’s vision on advancement of computer.
- e) Write a paragraph on the topic “Technology a boon or a bane”

7 **Critical thinking**

Analyze a scenario of a family that has moved to a new house recently. Notice the efforts family is making to adjust in new house.

MATHEMATICS

Story of a number

- 1 The first number to be discovered i.e natural number 1,2,3,4..... If we include 0 to this collection of natural numbers we get a collection of new numbers known as whole numbers i.e 0, 1, 2, 3, 4 Now we find that there are negative numbers too. If we put the whole numbers and negative numbers together, the new collection of numbers will look like 1,2,3,4,0 -1 - 2 – 3.....and this collection of numbers are known as integers. We can represent these integers on the number line. In this collection 1,2,3,4...are known as positive integers and -1 - 2 – 3.... are known as negative integers.

Answer the following question.

- i) Which numbers were discovered first
 - a) Natural numbers
 - b) Whole numbers
 - c) Integers
 - d) Composite numbers
 - ii) When we include zero to this collection of natural numbers we get
 - a) Whole numbers
 - b) Natural numbers
 - c) Composite numbers
 - d) Integers
 - iii) When we put the whole numbers and negative numbers together , the new collection of numbers is called
 - a) Prime numbers
 - b) Composite number
 - c) Whole numbers
 - d) Integers
 - iv) What is zero
 - a) neither positive nor negative
 - b) Positive number
 - c) Negative number
 - d) Negative number
 - v) Which number we get on the LHS of a number line
 - a) Negative numbers
 - b) Positive numbers
 - c) Neither positive nor negative
 - d) Composite number
- 2 To enhance the reading skills of grade X students, the school nominates you and two of your friends to set up a class library. There are two sections- section A and section B of grade X. There are 32 students in section A and 36 students in section B.
- i) What is the minimum number of books you will acquire for the class library, so that they can be distributed equally among students of Section A or Section B ?
 - a) 144
 - b) 128
 - c) 288
 - d) 272
 - ii) If the product of two positive integers is equal to the product of their HCF and LCM is true then, the HCF (32, 36) is
 - a) 2
 - b) 4
 - c) 6
 - d) 8
 - iii) 36 can be expressed as a product of its primes as
 - a) $4 \times 3 \times 3$
 - b) $9 \times 2 \times 2$
 - c) $2 \times 2 \times 3 \times 3$
 - d) $6 \times 2 \times 3$
 - iv) 7 is a
 - a) Prime number
 - b) Composite number
 - c) Neither prime nor composite
 - d) None of the above
 - v) If p and q are positive integers such that $p = a$ and $q = b$, where a, b are prime numbers, then the LCM (p, q) is
 - a) ab
 - b) a + b
 - c) a – b
 - d) a / b

Pattern Observations

- 3 The mathematical calculations can be simplified by observing certain pattern Observe the pattern and fill in the blanks

- i) $1 \times 9 + 1 = 10$
 $12 \times 9 + 2 = 110$
 $123 \times 9 + 3 = 1110$
 $1234 \times 9 + 4 = \underline{\hspace{2cm}}$
 $12345 \times 9 + 5 = \underline{\hspace{2cm}}$
 $\underline{\hspace{2cm}} \times 9 + 6 = \underline{\hspace{2cm}}$
- ii) $115 + 9 = 115 + 10 - 1 = 125 - 1 = 124$
 $115 + 99 = 115 + 100 - 1 = 215 - 1 = 214$
 $115 + 999 = 115 + 1000 - 1 = 1115 - 1 = 1114$
 $115 + 9999 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$
 $115 + 99999 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$
 $115 + 999999 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

Activity 1

Title -- Sieve of Eratosthenes

Material needed -- crayons and a 10×10 grid.

Find out all the prime and composite numbers from 1 to 100 on a 10×10 matrix.

Steps-

- i) Take a ten by ten matrix, list all the numbers from 1 to 100 on it horizontally.
- ii) Cross out one because we know it is not a prime number
- iii) Encircle two and cross all the multiples of two.
- iv) The next uncrossed number is three, so encircle three and cross out all multiples of three.
- v) The next uncrossed number is five so encircle 5 and cross out all the multiples of five.
- vi) Continue this process until all the numbers in the list are either encircled or crossed out.

Conclusion –

- i) All the encircled numbers are prime numbers.
- ii) All the crossed out numbers other than one are composite numbers.

Activity 2

Title—Stuffs for you

Material needed-- pictures of items at your home, price tags, A4 sheet paper, colours.

Make collection of pictures of at least 5 expensive stuff and some prize tags at your home and answer the questions that follow.

Step...

- i) Paste the picture of items neatly on a A4 paper.
 - ii) Paste their prize tag (original or hand made) with them.
 - iii) Write the price of article along with the picture.
-
- a) Write the price according to Indian number system.
 - b) Write the price according to international number system.
 - c) Arrange the price in ascending order.
 - d) Write the number in expanded form.

SCIENCE

1 Define the following terms-

- a) Marasmus
- b) Pollination

2 Differentiate between- Translucent and opaque

3 **Life skill-**

Make your own herbarium file .Collect fallen leaves and flowers of various plants and trees from your garden or surrounding. Place collected items between sheets of newspaper and place a weight above them for about a week.This will help them to dry and release moisture.Take out after a week paste them on one side in a file and write their description, name of the plant, types of venation, types of roots etc. on other side.

4 Visit a departmental store and look out for various types of objects that have different properties such as hard, soft,transparent, translucent, opaque etc. with the help of above properties group the similar type of items together and prepare a chat on A4 sheet.

5 Fill the missing information to complete the table given below -

| Components of food | Category | Sources | Function |
|--------------------|--------------------|------------------------------------|-----------------------------------|
| Carbohydrate | Energy giving food | | |
| Fats | | Eggs, yolk, cashews, nuts, almonds | |
| | Body building food | | Growth and repair of body tissues |
| Vitamins | | spinach and strawberry | |
| minerals | protective food | | |

6 **Art Integration.**

Draw a diagram of bisexual flower on A4 sheet Paper. Cut different parts of the flower by using different coloured paper and paste it over the diagram. Label all the parts with help of a paper strip.

- 7 **Case study-**
Sunil's father never bothered to keep a watch on the type of salt they consume. One day Sunil noticed that her sister developed a some what swollen neck. His father took her to the doctor. Doctor advised them to use iodised salt.
- Name the disease from which Sunil's sister might be suffering ?
 - Why does the doctor suggest to use iodised salt ?
 - Which nutrients deficiency causes neck swelling ?
 - What is the function of that nutrient which is deficient in Sunil's sister ?

- 8 **Assertion/Reason-**
The questions below consist of an assertion and the reason. Use the following key to choose the appropriate answer.
- Both A and R are true and R is the correct explanation of A.
 - Both A and R are true and R is not the correct explanation of A.
 - A is true and R is false.
 - A is false and R is true.
- Assertion (A) : Insufficient exposure to sunlight is causing vitamin D deficiency in many people.
Reason (R) : Our body also prepares vitamin D in the presence of sunlight.
 - Assertion (A) : Evaporation is the process in which a liquid gets converted into its vapour.
Reason (R) : Evaporation can be used to separate a solid dissolved in a gas.

SOCIAL SCIENCE

- 1 **Define the terms –**
a) Heritage b) Light year c) Archeology d) Inscriptions e) Orbit f) Diversity
- 2 **Complete the chart below -**
- | Name (Planet) | Significant facts |
|---------------|-------------------|
| | |
| | |
| | |
| | |
- 3 Make a project report on ' How geography influence the History of India '
- 4 **Life skills –**
- Read and write about the life and achievements of eminent women in India - Kiran Bedi, mother Teresa, P.T. Usha, and Lata mangeshkar.
 - The sun emits ultra violet rays which are harmful for us. A protective layer in the atmosphere prevents these ultraviolet rays from entering the earth. This protective layer is depleting slowly due to human activities. Which layer is this and how can we prevent its depletion? Illustrate.
- 5 With the use of some waste material make a model of Earth explaining/ representing longitude and latitude on globe.
- 6 **Case study -**
In ancient time, the area along to the south of the Ganga was known as Magadha now lying in the state of Bihar. Through out, people travelled from one part to the subcontinent to another. The hills and high mountains including the Himalayas, desert, rivers and seas make journey journey dangerous at time, but never impossible. So men and women moved in search of livelihood.as also escape from natural disasters like floods or droughts. Sometimes men marched in armies, conquering other's lands. Besides, merchants travelled with Caravans or ships, carrying valuable goods from place to place and religious teachers walked from villages to village.
- What is migration ?
 - Write the tributaries of Ganga river.
 - What were the reasons behind traveling in ancient time period ?
- 7 Suppose you want to visit Australia around 21st May for about 10 days. Make a list of things you have to pack for the trip.
- 8 **Pranab visited an archaeological site. He found people throwing waste around. He also found structure that were damaged –**
- What do you think should be done to stop these types of human activities ?
 - How do you think these sites can be protected ?

HINDI

1 केश अध्यायन

- 1 आप दो भाई बहन हैं। आपका नाम केशव और आपकी बहन का नाम श्यामा है। आपके घर में एक चिड़िया ने घोंसला बनाकर उसमें अंडे दिए हैं। कुछ दिनों बाद चिड़िया ने अंडों को छोड़ दिया।
क) केशव और श्यामा ने नादानीवश अंडों को छू लिया था।
ख) तूफान के कारण अंडे अपनी जगह से हिल गए।
ग) बच्चों ने उनका घोंसला दूसरी जगह रख दिया।
उपरोक्त में से सही विकल्प का चयन कीजिए और कारण भी बताइए।

2 मौखिक अभिव्यक्ति

जल ही जीवन है। जल के बिना हमारा अस्तित्व संभव नहीं है। जल का महत्व स्पष्ट करते हुए 50 से 60 शब्दों का भाषण तैयार कीजिए।

3 समस्या समाधान

आप कक्षा छह के विद्यार्थी हैं। आप एक बड़े शहर में रहते हैं, जहाँ पर प्रदूषण की बहुत बड़ी समस्या है। जिस कारण लोगों को अनेक प्रकार की बीमारियों का सामना करना पड़ रहा है। ऐसे कौन से पाँच उपाय हैं जिनसे आप अपने शहर को प्रदूषण मुक्त रख सकते हैं। लिखिए।

4 सार्वजनिक रूप से बोलना

आपके हल्द्वानी क्षेत्र में खेल मंत्री आने वाले हैं, जो नव निर्मित क्रिकेट स्टेडियम का उदघाटन करने वाले हैं। उदघाटन करने से पहले सबके सम्मुख आप उनका परिचय किस प्रकार कराएंगे ?

5 चलचित्र

कठपुतली का जीवन पराधीन होता है। वह दूसरों के इशारे पर नाचती है। उसका जीवन बंधन युक्त होता है। कठपुतली गुस्से से उबली, बोली क्यों हैं ये धागे मेरे आगे पीछे इन्हें तोड़ दो, मुझे मेरे पैरों पर छोड़ दो। कविता की पंक्तियों को पढ़कर आपके मन में कौन सा भाव उभरता है ? चित्र द्वारा दर्शाइए।

6 सिनेमा सारांश

किसी गाँव में एक गरीब व्यक्ति रहता था। उसका नाम दशरथ मांझी था। एक बार उसकी पत्नी बीमार हो गई थी। अस्पताल दूर होने के कारण उसकी पत्नी ने रास्ते में ही दम तोड़ दिया, लेकिन वे निराश नहीं हुए। उन्होंने इस घटना को सकारात्मक रूप में लिया। रास्ते की दूरी को कम करने का निश्चय किया। उन्होंने पहाड़ को तोड़कर गाँव और शहर की दूरी को कम कर दिया। जिससे आज लोगों को तुरंत चिकित्सा की सुविधा मिल जाती है लोग आज भी उनके इस त्याग और अदम्य साहस को याद करते हैं।

मुख्य बिंदु – कड़ी मेहनत, हिम्मत साहस, जीवन के प्रति सकारात्मक सोच

- क) कहानी के विभिन्न चरणों को रंगों और फिल्म के बाद पूछे जाने वाले प्रश्नों का उपयोग करके एक फिल्म बनाएँ।
ख) दशरथ मांझी कौन थे उन्होंने ऐसे कौन से कार्य किए जिससे लोगों के विचारों में परिवर्तन आया ?
ग) ऐसे कौन से कारण थे जिसके कारण दशरथ मांझी अपनी पत्नी को नहीं बचा सके ?
घ) दशरथ मांझी को माउंटैन मैन की उपाधि क्यों दी गई है ? स्पष्ट कीजिए।

COMPUTER

1 Introduction to programming-

Objective- Gain a basic understanding of programming concepts.

- Steps- 1 Research and write a short paragraph explaining what is programming and why it is important ?
2 Explore the difference between high level and low level programming languages.

2 AI in everyday life-

Objective- Explore and analyse how AI is integrated into our daily lives.

- Steps- 1 Identify at least 2 applications of AI in everyday life (ex-recommendation systems, facial recognition)
2 Write a short paragraph for each application, explaining how AI enhances or impacts the user experiences.

3 Using internet (Google search engine) search and download 5 famous IT personality photos and print in sticker size, paste them in A4 sheet and write about his/her invention in brief.

4 Make a list of "5 famous online shopping apps and CEO"(chief executive officer) in your file page.

5 Convert decimal number into binary number-

- i) 52 ii) 44

Case study based questions-

6 Neeta has to create a presentation for a project on sustainable development. She is not very familiar with digital presentation software. Help her understand some of the concepts with reference to a slide presentation.

- i) Presentation
ii) Creating a slide
iii) Animations

7 Windows 10 is a powerful operating system that provides various tools/ commands for file manipulation. It uses _____ (a) _____ command to remove a file from the hard disk. The deleted files are stored in the _____

(b) _____. You can look for a file in the _____ (c) _____ box, by entering its name. If a drive is overloaded, you can shift a file to another driving using _____ (d) _____ command.

The above case include some blanks based on the above case answer the following questions.

- a) Which command removes a file from the hard disk ?
b) Which icon stores the deleted file in the system ?
c) Which box is used to find a file from the hard disk ?
d) Which command is used to shift a file from one drive to other ?