



MOUNT COLUMBUS SCHOOL
DAKSHINPURI, NEW DELHI-110062
WORKSHEET-JANUARY

CLASS-VI

I. Choose the correct option. (CHAPTER-WILD FRUITS)

- a) When did the boy have his first meal?
i) 6 in the morning ii) 7 in the morning
iii) 8 in the morning iv) 9 in the morning
- b) When did the boy have his second meal?
i) eleven in the morning ii) one in the noon
iii) five in the evening iv) seven in the evening
- c) What was the name of the boy in the story?
i) Ajay ii) Ajit
iii) Vijay iv) Vijit
- d) Which of these did the boy's parent NOT grow?
i) potatoes ii) rice
iii) Barley iv) maze
- e) What did Vijay's family do when Greens were scarce?
i) they boiled spinach ii) they boiled the tops of the stinging
iii) The boiled rhododendron flower iv) they eat purple berries of the thorny bilberry bushes

II. Write true or false. (CHAPTER- THE DEEDS OF DARING DASHU)

- a) Dashu and his friends were scolded by Bishtu babu for coming late to the class.
b) Dashu and his friends were playing football during the short break.
c) The new watchman had heard a lot of stories about the Dashu.
d) Dashu and Jagabandhu were very good friends and open helped each other.
e) Dashu was sent out of the class by Bishtu babu because he misbehaved with Bishtu babu.
f) Nobody in the class knew who had played the trick on Jagabandhu.

III. Below you can read a conversation between Reena and her husband Sonu. Complete the following sentence reporting what they discussed.

Reena: Our new servant has a tendency to steal things.

Sonu: Is anything missing?

Reena: Yes, he has stolen one of our watches.

Sonu: Which one?

Reena: It's the one we bought from Pacific Mall.

Reena told her husband that (a)_____ a tendency to steal things, Sonu asked her (b)_____. She told him that (c)_____. When Sonu asked her which one it was, she replied that it was the one they had bought from Pacific Mall.

हिंदी

निम्नलिखित प्रश्नों के उत्तर विकल्पों के माध्यम से चुनिए -

(i) विभु काका की कहानियों का उद्देश्य क्या है?

(ए) मनोरंजन करना (बी) शिक्षित करना (सी) प्रेरित करना (डी) सामाजिक बदलाव लाना

(ii) छुट्टी पाठ में किसकी कहानी बताई गई है?

(ए) एक गरीब मजदूर की (बी) एक अमीर व्यापारी की
(सी) एक स्कूल के छात्र की (डी) एक सरकारी अधिकारी की

(iii) छुट्टी पाठ का मुख्य उद्देश्य क्या है?

(ए) मजदूरों की दुर्दशा को उजागर करना (बी) अमीरों की धन-संपत्ति को दिखाना
(सी) स्कूल के छात्रों की जिंदगी को बताना (डी) सरकारी अधिकारियों की भूमिका को समझाना

(iv) "हमें अपने जीवन में संतुष्ट रहना चाहिए और दूसरों के साथ प्रेम और करुणा से पेश आना चाहिए।" यह सद्बचन किस संत का है?

(ए) संत कबीरदास (बी) भगवान श्रीकृष्ण
(सी) भगवान बुद्ध (डी) स्वामी विवेकानंद

(v) विभु काका का पेशा क्या था?

(ए) शिक्षक (बी) लेखक (सी) व्यवसायी (डी) राजनेता

विभु काका की कहानियों का उद्देश्य क्या है?

(ए) मनोरंजन करना (बी) शिक्षित करना (सी) प्रे

संस्कृत

प्रश्न 1. अपठित गद्यांशं पठत। प्रश्नान् च उत्तरत।

आधुनिक समये विश्वस्य समक्षम् अनेकाः समस्याः सन्ति। पर्यावरणस्य प्रदूषणं सर्वाधिका विकटा समस्या वर्तते। प्रदूषणं प्रमुखतः- ध्वनि प्रदूषणं, वायुप्रदूषणं, जलप्रदूषणं, मृदाप्रदूषणं च अस्ति। ध्वनिप्रदूषणेन मानसिकाः रोगाः, वायुप्रदूषणेन हृदय-सम्बन्धिनः रोगाः, जलप्रदूषणेन च उदरादिरोगाः जायन्ते। एतेषां निवारणाय अस्माभिः सर्वैः मिलित्वा प्रयासः करणीयः।

- (क) प्रदूषणं कतिधा वर्तते ?
- (ख) हृदय-सम्बन्धिनः रोगाः केन जायन्ते ?
- (ग) आधुनिक समये विकटा समस्या का?
- (घ) अस्माभिः किमर्थं प्रयासः करणीयः?

प्रश्न 2. निम्न संस्कृत संख्यावाचक शब्दाः लिखत ।

- (क) 51
- (ख) 60
- (ग) 68
- (घ) 99
- (ङ) 100

प्रश्न 3. मुनि/ पुष्प शब्द रूप लिखत।

प्रश्न 4. अव्यय शब्दाः लिखत ।

- (क) कुत्र
- (ख) शनैः-शनैः
- (ग) यत्र
- (घ) एकदा
- (ङ) कदा

प्रश्न 5. पञ्च शरीरस्य अङ्गानि नामानि लिखत।

प्रश्न 6. पञ्च पुष्पाणि नामानि लिखत।

प्रश्न 7. पिब् / कृ धातु रूप लट्, लृट् लकार लिखत ।

MATHEMATICS

1. A box contains 12 red pencils and 8 blue pencils. What is the ratio of red pencils to blue pencils?
2. A recipe requires 3 cups of flour and 2 cups of sugar. What is the ratio of flour to sugar?
3. Are the ratios 4:6 and 2:3 equivalent?
4. A library has 240 books on shelves and 120 books on the floor. What is the ratio of books on shelves to books on the floor?
5. A farmer has 150 cows and 100 goats. What is the ratio of cows to goats?
6. A water tank can hold 2400 liters of water. If 1200 liters of water are already in the tank, what is the ratio of water in the tank to the capacity of the tank?
7. A bakery sells 240 loaves of bread and 180 cakes. What is the ratio of loaves of bread to cakes?
8. A group of friends want to share some money equally. If they have ₹480 and there are 8 friends, what is the ratio of money to friends?

9. A bookshelf has 5 shelves, and each shelf can hold 8 books. What is the ratio of the number of shelves to the number of books each shelf can hold?
2. A recipe requires 2 cups of flour and 3 cups of sugar. What is the ratio of flour to sugar?
10. A basket contains 12 apples and 8 oranges. What is the ratio of apples to oranges?
11. A group of friends want to share some candy equally. If they have 48 pieces of candy and there are 8 friends, what is the ratio of candy to friends?

SCIENCE

Q1. Define the following.

- a. Reproduction
- b. Phototropism
- c. Reflection
- d. Luminous objects
- e. Atmosphere

Q2. Give reasons for the following.

- a. Earthworms come out of burrows when it rains heavily.
- b. Shadows are always black.
- c. Speed is important for the survival of animals that live in grasslands.

Q3. Name the following:

- a. Part of the body by which fish absorbs oxygen.
- b. The response of stems and roots.
- c. Object that does not allow the light to pass through it.
- d. Inactive component of air.

Q5. What can be done to prevent the air pollution caused by burning of dried leaves?

Q6. One should not look at the sun during solar eclipse. Why?

Q7. Are you an autotroph or a heterotroph? Explain why?

Q8. Draw neat and labelled diagram to show open and closed stomata

SOCIAL SCIENCE

Q1. Read the passage and answer the following questions.

Here's a short passage on urban livelihoods:

Urban Livelihoods

Urban livelihoods refer to the ways in which people living in cities earn a living and sustain themselves. With the increasing trend of urbanization, more and more people are moving to cities in search of better job opportunities, education, and healthcare. However, urban livelihoods are often characterized by insecurity, poverty, and vulnerability. Many urban dwellers engage in informal sector activities such as street vending, waste picking, and domestic work. These activities often lack social protection, and workers are exposed to exploitation and abuse. Moreover, urban livelihoods are also affected by factors such as gentrification, displacement, and environmental degradation.

- 1. What is the main reason for people moving to cities?**
 - a) Better job opportunities**
 - b) Better education**
 - c) Better healthcare**
 - d) All of the above**

- 2. What is a common characteristic of urban livelihoods?**
 - a) Security**
 - b) Prosperity**
 - c) Insecurity**
 - d) Sustainability**

- 3. Which of the following is an example of an informal sector activity?**
 - a) Working in a factory**
 - b) Street vending**
 - c) Working in a government office**
 - d) Working in a hospital**

- 4. What is a factor that affects urban livelihoods?**
 - a) Gentrification**

b) Urbanization

c) Industrialization

d) All of the above

5. What is a common challenge faced by urban dwellers engaged in informal sector activities?

a) Exploitation

b) Abuse

c) Lack of social protection

d) All of the above

Q2. Fill in the blanks.

1. The path around the stupa was called _____.

2. Stories about gods and goddesses are found in the _____.

3. Large farmers are those who own more than _____ of land.

4. In villages, the most popular means of livelihood is _____.

5. The Lakshadweep Islands is a group of _____ coral Islands located in the _____ sea.

6. The northern part of the Western Coastal plain is called the _____.

7. People who are engaged in business are called _____.

Q3. Name the following.

1. A large part of this basin lies in Pakistan.

2. The task of this occupation is transforming raw materials into finished products.

3. These liberals do not have land of their own so they work on the land owned by others.

4. The most important part of the Hindu temple.

Q4. State whether the following statements are true or false.

1. Sanchi stupa and Amravati stupa are examples of ancient Indian art and architecture.

2. The secular literature consisted of the Vedas..

3. Large farmers are those who own more than 5 hectares of land.

4. Fishing is a non agricultural occupation.

5. Office workers are typically paid on daily or weekly basis.

6. People migrate from villages for better living.

7. The northern plains are divided into two parts.

8. The karakoram range starts in India from Kashmir and extends East word into Tibet where it is known as Kailash range

ARTIFICIAL INTELLIGENCE

Q.1 THINK AND ANSWER

Instructions:

Below are some statements about Artificial Intelligence. Some are myths, and others are facts. Read each statement carefully and decide if it's a myth or a fact. Write "Myth" or "Fact" next to each statement.

1. **AI can think and feel just like humans.**
2. **AI can help solve complex problems, but it still needs human guidance to make decisions.**
3. **AI robots can completely replace humans in all jobs.**
4. **AI is used in many fields like healthcare, education, and entertainment to assist people.**
5. **AI can learn new things without being taught by humans.**
6. **AI systems are perfect and always make the right decisions.**
7. **AI can recognize patterns in data, which is why it's used for things like facial recognition and language translation.**
8. **AI machines can become more intelligent over time by learning from experience and data.**

2. True or False?

1. **AI can think for itself without any input or programming from humans.** _____
2. **AI is a computer program that uses data to make decisions or predictions.** _____
3. **AI can create its own goals and make decisions without human help.** _____
4. **AI systems need to be trained using lots of data to learn how to perform tasks.** _____
5. **All AI systems are conscious and have feelings like humans.** _____

3. Creative Thinking

Instructions:

Imagine you are an inventor creating a new AI system. What is one myth about AI that you would like to change, and how would you explain the truth to people? Write a short paragraph describing your invention and how it helps explain AI in a clearer way.

Example: "I would create a friendly robot that helps people learn more about how AI works. This robot would explain that AI is not like a human and cannot feel emotions, but it can help solve problems and make decisions based on data. The robot would answer people's questions and help them understand the facts about AI."

Your Turn:

INFORMATION TECHNOLOGY

Multiple Choice Questions:

1. Which of the following is NOT a main part of the Scratch interface?
 - a) Stage
 - b) Sprites
 - c) Blocks Palette
 - d) Costumes

2. What do "Sprites" represent in Scratch?
 - a) Backgrounds
 - b) Characters or objects
 - c) Coding blocks
 - d) Sound effects

3. Which block is used to start a Scratch project?
 - a) when green flag clicked
 - b) when space key pressed
 - c) forever
 - d) move 10 steps

4. What is the purpose of a "Costume" in Scratch?
 - a) To control the movement of a sprite.
 - b) To change the appearance of a sprite.
 - c) To add sound effects to a sprite.
 - d) To create a new backdrop.

5. What is a "Variable" used for in Scratch?
 - a) To create different scenes in a game.
 - b) To store and change values like score or lives.
 - c) To make sprites interact with each other.
 - d) To add music to a game.

Short Answer Questions :

1. Describe the difference between the "move" block and the "glide" block in Scratch.
2. Explain how you would change the backdrop of your Scratch game.
3. Give an example of a simple game you could create using Scratch, and briefly describe the steps involved.
4. How can you add sound effects to your Scratch project?
5. What is the purpose of the "if...then" block in Scratch, and how can it be used in game creation?