

MOUNT COLUMBUS SCHOOL
DAKSHINPURI, NEW DELHI-62
CLASS-VIII
WORKSHEET (APRIL)

ENGLISH

Q 1. Answer the following questions given below with reference to context:

A. Once upon a time in a small village, there lived a kind and wise old man with his three daughters. As he grew old, he wanted to know which of his daughters loved him the most. He asked them, and while the first two praised him and claimed they loved him more than anything, the youngest daughter replied, "I love you as salt."

- i. What does the youngest daughter mean when she says, "I love you as salt"?**
- ii. How did the father initially interpret the youngest daughter's words?**
- iii. What is the difference between the elder daughters' and the youngest daughter's expression of love?**

B. *"There is a house now far away where once
I received love... That woman died,
The house withdrew into silence..."*

- i. What does the house symbolize in these lines?**
- ii. Who is "that woman" referred to in the poem?**
- iii. What does the phrase "withdrew into silence" suggest?**

C. Rajam instantly had a vision of a newspaper report: The Jumping Stars soundly thrashed the Board High School Eleven. 'It is a beauty, I think,' he cried, moved by the vision.

- i. Who had a vision of a newspaper report?**
- ii. What was the name of the team that won the match?**
- iii. How did Rajam feel about the vision?**

D. Fill in the blanks with the appropriate determiner from the options given in brackets.

- a. I have read _____ book you gave me. (a/an/the)
- b. There isn't _____ milk left in the fridge. (any/some/many)
- c. She bought _____ apples from the market. (much/many/little)

E. Select the correct option of Indirect Speech from the given alternatives:

a. She said, "I am going to the market."

She said that she _____ to the market.

- i) is going ii) was going iii) has gone iv) will go

b. He said, "I will help you."

He said that he _____ me.

- i) will help ii) helps iii) would help iv) helped

c. They said, "We are enjoying the party."

They said they _____ the party.

- i) are enjoying ii) have enjoyed iii) were enjoying iv) had enjoyed

हिंदी

1. 'कर्मवीर' कविता के लेखक कौन हैं?
2. आज-कल करते हुए कौन दिन नहीं गँवाते?
3. 'कर्मवीर' से क्या तात्पर्य है? कविता के आधार पर लिखिए।
4. मिथिला के दरबार में विद्वान् कहाँ से पढ़कर आए?
5. गोनू झा के बारे में गाँव वालों के क्या विचार थे?
6. राजा ने विद्वान् को किस प्रकार रोका?
7. गोनू झा ने शास्त्री जी से कौन-कौन से प्रश्न पूछे?
8. झींगुर और बुद्धू के बीच किस बात पर झगड़ा हुआ?
9. झींगुर का हरिहर के पास जाने के पीछे क्या कारण था?
10. भाषा किसे कहते हैं?
11. भारत के संविधान में कितनी भाषाओं को मान्यता प्राप्त है? किन्हीं पाँच के नाम लिखिए।
12. भाषा, बोली और उपभाषा में अंतर लिखिए।
13. हिंदी भाषा में स्वरों को कितने भागों में बाँटा है ? नाम लिखिए।
14. स्पर्श व्यंजन लिखिए।
15. अपने माता-पिता का नाम लिखकर उसका वर्ण-विच्छेद भी करें।
16. लिखित और मौखिक भाषा के कोई दो उदाहरण चित्र बनाकर लिखिए।
17. 'आ' और 'खुश' उपसर्ग से बनने वाले दो-दो शब्द लिखिए।
18. 'आकृ' और 'ई' प्रत्यय से बनने वाले दो शब्द लिखिए।
19. मनुष्य यदि आत्मनिर्भर बनना चाहता है, तो उसे परिश्रम करना ही होगा। परिश्रम से ही सफलता प्राप्त होती है। जो लोग आलस्यवश कोई कार्य नहीं करते, वे असफलता का सामना करते हैं। किसी भी कार्य में सफलता पाने के लिए उत्साह, आत्मविश्वास और सतत प्रयत्न की आवश्यकता होती है। समाज में सम्मान पाने के लिए सद्भावहार और सहयोग भावना का होना अनिवार्य है। दूसरों की सहायता करने से आत्मसंतोष की प्राप्ति होती है। एक सच्चा नागरिक सदैव राष्ट्रहित में कार्य करता है और देश की प्रगति में योगदान देता है।
 - उपरोक्त गद्यांश में से उपसर्गयुक्त और प्रत्यययुक्त शब्दों को खोजकर लिखिए।

संस्कृत

प्रश्न 1. उचितम् उत्तरत चिनुत ।

(क) "पिबन्ति नद्यः स्वयमेव नाम्भः..." का मुख्य संदेश क्या है?

- a) नदियाँ सूख जाती हैं
- b) वृक्ष फल नहीं देते
- c) सज्जन लोग परोपकारी होते हैं
- d) केवल राजा ही महान होता है

(ख) "उद्योगिनं पुरुषसिंहमुपैति लक्ष्मीः" का क्या अर्थ है?

- a) सोए हुए को
- b) मेहनती को
- c) डरपोक को
- d) दैव को मानने वाले को

(ग) विद्या की तुलना किससे नहीं की गई है?

- a) माता
- b) पिता
- c) चंद्रमा
- d) प्रिय पत्नी

(घ) "दैवं निहत्य कुरु पौरुषमात्मशक्त्या" का सही भावार्थ क्या है?

- a) केवल भाग्य पर निर्भर रहो
- b) मेहनत न करो
- c) खुद की मेहनत से काम करो
- d) सब कुछ भगवान के हाथ है

(ङ) "गुणाः गुणज्ञेषु गुणाः भवन्ति" का अर्थ क्या है?

- a) गुण सभी में होते हैं
- b) गुण केवल ज्ञानी पहचानते हैं
- c) गुण बेकार हैं
- d) गुण दोष बन जाते हैं

(च) "सन्मित्र" कौन होता है?

- a) जो धन दे
- b) जो सुख में साथ दे
- c) जो संकट में मदद करे और गुण बढ़ाए
- d) जो गुप्त बातें फैलाए

प्रश्न 2. पञ्च शरीरस्य अङ्गानि नामानि लिखत ।

प्रश्न 3. पञ्च परिवारस्य सदस्यां नामानि ।

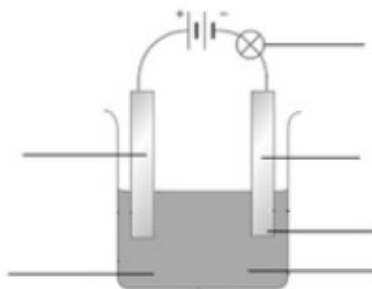
प्रश्न 4. संख्यावाची (1 -10 तक) शब्दाः लिखत ।

MATHEMATICS

- Q1. Compare the rational numbers $\frac{3}{5}$ and $\frac{2}{3}$. Which one is greater?
- Q2. (i) Add: $\frac{1}{2} + \frac{1}{3}$
(ii) Subtract: $\frac{2}{3} - \frac{1}{4}$
(iii) Divide: $(\frac{2}{3}) \div (\frac{3}{4})$
- Q4. Find three rational numbers between $-\frac{2}{3}$ and $\frac{1}{2}$
- Q5. A bookshelf has 5 shelves, and $\frac{2}{5}$ of the shelves are filled with books. If each shelf can hold 8 books, how many books are on the bookshelf?
- Q6. A bakery sells $\frac{3}{4}$ of its bread in the morning. If it baked 240 loaves of bread, how many loaves were sold in the morning?
- Q7. Evaluate:
a) 2^5 b) $(-3)^4$ c) $(\frac{1}{2})^3$
- Q8. 1. Simplify using laws of exponents:
a) $a^3 \times a^2$ b) $(x^2)^4$ c) $2^3 \times 2^2$
- Q9. Express in exponential form:
a) 27 b) 125
- Q10. Write the following number in the standard form.
(i) 0.000897 (ii) 7200000
- Q11. Express the following numbers in usual form.
(i) 2.036×10^{-6} (ii) 3.25×10^{-10}

SCIENCE

- Q1. Suppose you're a farmer in a dry region. What modern irrigation methods would you use to conserve water, and why?
- Q2. You have two unknown liquids. How would you test which one is a better conductor of electricity using simple materials?
- Q3. What is electroplating? Mention one of its uses.
- Q4. Why is it important to remove weeds from the crop field?
- Q5. Name the following:-
a. The process of loosening and turning of the soil.
b. The process of removing grain from chaff.
c. The passage of electric current through a conducting liquid causes.
d. Good conductor of electricity.
- Q6. Label and label the following figure.



SOCIAL SCIENCE

A. Multiple Choice Questions (MCQs)

1. Which of the following is an example of a non-renewable resource?
 - a) Solar energy
 - b) Forests
 - c) Coal
 - d) Water
2. The Indian Constitution came into effect on:
 - a) 15th August 1947
 - b) 26th January 1950
 - c) 26th November 1949
 - d) 2nd October 1950
3. Resources that are found in a region but have not been utilised are called:
 - a) Actual resources
 - b) Potential resources
 - c) Biotic resources
 - d) Localised resources
4. The Constitution of India guarantees _____ to all citizens.
 - a) Equal rights and duties
 - b) Only civil rights
 - c) Freedom of business only
 - d) None of the above
5. Which of these is a human-made resource?
 - a) Petroleum
 - b) Minerals
 - c) Roads
 - d) Water

B. Assertion and Reasoning:-

Choose the correct option:

1. Assertion (A): The Indian Constitution lays down the structure of the government.
Reason (R): A Constitution helps limit the powers of the government.
 - 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, R is false
 - d) A is false, R is true
2. Assertion (A): Renewable resources can be used again and again.
Reason (R): Renewable resources take millions of years to form.
 - 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, R is false
 - d) A is false, R is true

C. Very Short Answer Questions

1. What are biotic resources?
2. Define the term “secular ” in the context of the Indian Constitution.
3. Why resource is valuable to us ?

D. Short Answer Questions

1. Differentiate between renewable and non-renewable resources with examples.
2. Explain any three key features of the Indian Constitution.
3. What role do human beings play in the creation of resources?

E. Competency/ Source -Based Question

Read the passage given below and answer the questions that follow :-

India is a democratic republic with a written Constitution that guides all laws and policies. The Constitution ensures justice, liberty, equality, and fraternity. It also outlines the responsibilities and duties of citizens and the powers of government institutions. On the other hand, the country is rich in resources like minerals, forests, and water bodies. But effective use of these depends on human skills and technology.

1. Why is the Indian Constitution important for governance?
2. How are resources connected to human activities?
3. What values does the Constitution promote in Indian society?

ARTIFICIAL INTELLIGENCE

Multiple Choice Questions (Choose the best answer):

1. Which of the following is an example of an AI technology you might find in your everyday environment?
 - a) A calculator
 - b) A simple light switch
 - c) A voice assistant on a smartphone
 - d) A television remote control
2. Which of these events is considered a significant milestone in the history of Artificial Intelligence?
 - a) The invention of the printing press
 - b) The development of the first computer
 - c) The creation of the internet
 - d) The first time a computer program defeated a world champion in a complex board game (like Go)
3. Quick, Draw! by Google is a tool that demonstrates which capability of AI?
 - a) Playing complex strategy games
 - b) Understanding and generating human language
 - c) Recognizing drawings and patterns
 - d) Controlling robots and machines
4. Teachable Machine allows users to:
 - a) Play AI-powered video games
 - b) Create simple AI models through a visual interface
 - c) Chat with sophisticated AI assistants
 - d) Explore the history of AI in detail
5. Dialogflow is a platform primarily used for:
 - a) Building and training robots
 - b) Creating and managing databases
 - c) Developing chatbot applications
 - d) Designing computer hardware

Short Answer Questions:

1. Describe one example of an AI technology you identified during the AI Scavenger

- Hunt and explain why you think it uses AI.
2. Based on your exploration of the provided link on the history of AI, name one early milestone in AI development and briefly explain its significance.
 3. What is a concept map, and how can it be helpful in understanding complex topics like Artificial Intelligence?
 4. Explain in your own words what it means for an AI to "learn" using an example from one of the practical activities you explored (e.g., Quick, Draw! or Teachable Machine).
 5. Why is it important to learn about Artificial Intelligence in today's world? Give at least one reason.

INFORMATION TECHNOLOGY

Q1. Answer in one word or sentence:-

1. What is a table in a database?
2. Name any two DBMS software.
3. What is the use of a primary key?
4. Define record.
5. What do you mean by a field in a table?

Q2. Observe the table and answer the questions below:

Student_ID	Name	Class	Age
101	Anya	8	13
102	Rohan	8	14
103	Meera	8	13

1. How many records are there in the table? _____
2. How many fields are there in the table? _____
3. What is the value of Age for Rohan? _____
4. Which field can be considered as a primary key? _____

Q3. Suggest 4 fields that should be included in the Library Table.

Q4. Case Study: School Database System

Sunrise Public School recently decided to switch from maintaining student records in registers to using a Database Management System (DBMS). The school created a database with a table called Students_Info. This table has the following fields:

- Student_ID (unique for each student)
- Name
- Class
- Section
- Date_of_Birth
- Contact_Number

The school staff uses this DBMS to quickly search, update, and organize student data. The principal noticed that finding student details is now much faster, and there are fewer errors in the records.

Based on the above case study, answer the following questions:-

- Q1.** What is the name of the table created in the school's database system?
- Q2.** Why did the school decide to use a DBMS instead of registers?
- Q3.** List any **two advantages** of using DBMS in schools.
- Q4.** Suggest **one more field** that can be added to the Students_Info table and explain its use.