MOUNT COLUMBUS SCHOOL
DAKSHINPURI, NEW DELHI-110062
CLASS VIII
WORKSHEET (APRIL)

ENGLISH

Topic: Types of Sentences, Phrases, and Determiners

Part 1: Types of Sentences
Identify each sentence as Declarative, Interrogative, Imperative, or Exclamatory.

1. Please hand me the blue folder on the desk. _____
2. I cannot believe how fast this year has flown by! _____
3. Have you decided which university you want to attend? _____
4. The migration patterns of monarch butterflies are fascinating. _____
5. Stop what you are doing and listen to the instructions. _____

Part 2: Types of Phrases
Identify the bolded phrase as a Noun Phrase, Verb Phrase, Adjective Phrase, or Prepositional Phrase.

1. The girl **with the long braided hair** is my cousin. _____
2. We **have been waiting** for the bus for over twenty minutes. _____
3. The dessert was **unbelievably delicious and rich**. _____
4. Put the groceries **on the kitchen counter**. _____
5. **A highly motivated student** usually performs well. _____

Part 3: Determiners
Fill in the blanks with the correct determiner from the brackets.

1. _____ (That / Those) birds in the distance are golden eagles.
2. I don't have _____ (many / much) money left in my savings account.
3. Is this _____ (your / yours) umbrella?
4. _____ (A / An) honest mistake is easier to forgive.
5. _____ (Every / All) student must submit their project.
6. There are _____ (few / a few) cookies left; would you like one?
7. We need to find _____ (some / any) solution to this problem.
8. _____ (Both / Either) of my parents are coming today.

Part 4: Sentence Construction

1. Write an Exclamatory sentence about a surprise party:

_____

2. Expand this Noun Phrase: "The dog"

_____

HINDI

1. ईश्वर के किस रूप को नमन किया गया है ?
2. हंसकर शूली पर चढ़ने से क्या तात्पर्य है?
3. श्री राम का जन्म कहाँ हुआ है?
4. हमें कर्मयोग का संदेश किसने दिया है?
5. 'र' पदेन वाले दो शब्द लिखें।
6. महाराजा ने दीवान को क्या ज़िम्मेदारी दी और क्यों?
7. 'इन बगुलों में हंस कहाँ छिपा बैठा है'-इस पंक्ति का क्या तात्पर्य है?
8. समाचार पत्रों में किस पद के लिए विज्ञापन दिया हुआ था?
9. सुजान सिंह ने किसे और क्यों दीवान बनाया?
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. 'र' रेफ से कोई दो शब्द लिखिए।
18. स्पर्श व्यंजनों की संख्या कितनी है? कोई पांच लिखिए।
19. किन्ही पांच भाषाओं के नाम जिनकी लिपि देवनागरी हो।
20. वर्णों को कितने भागों में बाँटा गया है? नाम लिखिए।

SANSKRIT

प्रश्न1. एकपदेनउत्तरत-

(क) व्ययतःकःवर्धते?

(ख) विनयात्किम्आयाति?

(ग) पात्रत्वात्किम्प्राप्यते?

(घ) श्रीकृष्णस्यमित्रंकःआसीत्?

(ङ) सुदाम्नःभार्याकिम्आनयत्?

(च) श्रीकृष्णःकुत्रवसतिस्म?

प्रश्न2. रिक्तस्थानानिपूरयत -

(क) व्ययतोवृद्धिम् _____ ।

(ख) विद्याददाति _____ ।

(ग) धनात् _____ ततःसुखम्।

(घ) सुदामाअत्यन्तं _____ आसीत्।

(ङ) श्रीकृष्णःसुदाम्नः _____ आसीत्।

प्रश्न3. अनुवादंकुरुत-

(क) विद्याददातिविनयम्।

(ख) विद्याधनंसर्वधनप्रधानम्।

(ग) नचौरहार्यंविद्याधनम्।
(घ) श्रीकृष्णःसुदाम्नःप्रियःमित्रःआसीत्।
(ङ) सुदाम्नःभार्यातण्डुलान्ददौ।

प्रश्न4. यथायोग्यंमेलयत
(क) श्रीकृष्णः — (i) दरिद्रः
(ख) सुदामा — (ii) द्वारिकानरेशः
(ग) तण्डुलाः — (iii) मित्रम्
(घ) भार्या — (iv) उपहारः
(ङ) मित्रता — (v) निःस्वार्था

प्रश्न 5. पञ्चशरीरस्यअङ्गानिनामानिलिखत।
प्रश्न 6. पञ्चपरिवारस्यसदस्यांनामानि।
प्रश्न 7.संख्यावाची (1 -20 तक) शब्दा: लिखत।

MATHEMATICS

1. Find the square of: (a) 35 (b) 48

2. Check whether the following are perfect squares: (a) 153 (b) 441 (c) 900

3. Find the square root of 4096 using prime factorization.

4. Find the smallest number by which 980 must be multiplied to make it a perfect square.

5. How many numbers lie between the squares of the 16 and 17?

6. An audit is an official checking of the financial records of a company. It is done by an authorized person who is not an employee of the company. The person who does the audit is called an auditor. An auditor checks the expenses and income made by the company every year. Mohit audited a company with 50 employees. The company records show its annual turnover (annual income) is ₹100 million, and taxes have been paid according to government norms.

a) Mohit observed that one-fifth of the employees have an annual salary of less than ₹ 400,000. How many employees have an annual salary of less than ₹ 400,000?
b) This year, the company spent 20% of their income on office maintenance, 40% on paying salaries to their employees and 10% on miscellaneous things (including taxes). The rest of the amount is the profit gained by the company. How much profit did the company earn this year?
c) According to government norms, a company has to pay a tax of 6% of the total annual income. Mohit said, 'The tax amount paid by the company this year is one-third the amount paid last year.' What was the tax amount paid last year?

7. Robin writes the properties of rational numbers as –
Property 1: For any two rational number x and y, $x + y = y + x$
Property 2: For any two rational number x and y, $x - y = y - x$
Property 3: For any two rational number x and y, $x/y = y/x$

Property 4: For any two rational number x and y, $x \times y = y \times x$

Which properties written by Robin are incorrect? Why are they incorrect?

8. Is the statement 'All integers are rational numbers but all rational numbers are not integers' correct? Give examples to support your answer.

9. There is a two-digit odd number which is not a prime number. When the digits of the number are reversed and added to the number itself, the resultant is a perfect square. What is the number?

10. An integer is added to its multiplicative inverse. Which of the following statement is valid for the resultant number?

a) It is an integer b) It is a fraction c) It is a rational d) It is always one

SCIENCE

Worksheet No. 1: Exploring the investigative world of science (Pg. No. -5, 6, 7)

Worksheet No. 2: The invisible living world: beyond our naked eye (Pg. No. -10, 11, 14, 15)

SOCIAL SCIENCE

A. Multiple Choice Questions

1. Which of the following is a renewable resource?
(a) Coal. (b) Petroleum (c) Solar Energy (d) Natural Gas

2. Which resource is essential for agriculture?
(a) Soil (b) Iron (c) Gold (d) Coal

3. Universal Adult Franchise means:
(a) Only educated people can vote (b) Every adult citizen has the right to vote
(c) Only men can vote (d) Only taxpayers can vote

4. The minimum age for voting in India is:
(a) 16 years (b) 18 years (c) 21 years (d) 25 years

5. Elections in India are conducted by:
(a) Parliament (b) Supreme Court (c) Election Commission of India (d) President of India

B. Very Short Answer Questions

1. What are natural resources?
2. Name two renewable resources.
3. What is Universal Adult Franchise?
4. What is the role of the Election Commission?
5. Define voters' list.

C. Long Answer Questions

1. Explain any three ways in which natural resources are useful for human life.
2. Describe the importance of Universal Adult Franchise in a democracy.
3. Draw a flow chart showing the classification of natural resources (Renewable and Non-Renewable) with examples.

D. Assertion and Reasoning

Read both the statements given and choose the correct option -

Options: A. Both A and R are true and R explains A
B. Both A and R are true but R does not explain A

C. A is true but R is false
D. A is false but R is true

1. Assertion: Forests are valuable natural resources.
   Reason: They provide oxygen, timber and habitat for wildlife.
2. Assertion: India is called a democratic country.
   Reason: Every adult citizen has the right to vote.
3. Assertion: Conservation of resources is necessary.
   Reason: Natural resources are unlimited.

E. HOTS (Higher Order Thinking Skills)

1. Suppose people waste water and forests are cut rapidly. What problems may future generations face?

2. Imagine you are an election officer. Suggest two ways to encourage more citizens to vote responsibly.

INFORMATION TECHNOLOGY

Multiple Choice Questions (MCQs)

1. A computer network is:
   a) A single computer b) A group of connected computers
   c) A type of software d) An input device
2. Which device is used to connect computers in a network?
   a) Printer b) Router c) Keyboard d) Monitor
3. The full form of LAN is:
   a) Large Area Network b) Local Area Network
   c) Light Area Network d) Long Area Network
4. Which network covers a large geographical area?
   a) LAN b) MAN c) WAN d) PAN
5. Internet is an example of:
   a) LAN b) WAN c) MAN d) PAN
6. Which device connects different networks together?
   a) Switch b) Router c) Mouse d) Scanner
7. Which of the following is a wired transmission medium?
   a) Wi-Fi b) Bluetooth c) Optical Fiber d) Infrared
8. Which protocol is used for browsing websites?
   a) FTP b) HTTP c) SMTP d) TCP
9. The full form of IP is:
   a) Internet Process b) Internet Protocol
   c) Internal Program d) Input Protocol
10. Which of the following is NOT a network device?
    a) Hub b) Switch c) Router d) CPU

Short Answer Questions

1. What is a computer network?
2. Define LAN, MAN, and WAN.
3. What is the Internet?
4. What is the function of a router?
5. What is the difference between wired and wireless networks?
6. Name any two network devices.
7. What is an IP address?
8. What is a modem?
9. What is the use of a switch in a network?
10. What is Wi-Fi?

ARTIFICIAL INTELLIGENCE

Multiple Choice Questions

1. What is the first stage of the AI project cycle?
a) Data Acquisition b) Problem Scoping c) Model Evaluation d) Deployment

2. What does problem scoping primarily involve?
a) Collecting data from sensors b) Identifying and understanding the problem to solve
c) Training AI models d) Deploying the solution

3. Which tool is commonly used in the problem scoping stage?
a) 4Ws problem canvas b) Neural network
c) Data visualization tool d) Confusion matrix

4. What is the main purpose of data acquisition in the AI project cycle?
a) To evaluate model performance b) To collect relevant data for the problem scoped
c) To deploy the AI model d) To visualize data patterns

5. Which of the following are common sources of data for AI projects?
a) Only textbooks b) Surveys, sensors, APIs, public datasets
c) Only social media d) Only laboratory experiments

Short Answer Questions

1. Define problem scoping in the AI project cycle.
2. What is the 4Ws problem canvas used for in problem scoping?
3. List two types of data that can be collected during data acquisition.
4. Name three sources of data for AI projects.
5. Why is it important to collect correct and reliable data during data acquisition?