



**MOUNT COLUMBUS SCHOOL**  
**DAKSHINPURI, NEW DELHI-62**  
**CLASS-VIII**

**WORKSHEET (NOVEMBER)**

**ENGLISH**

**Tenses, Active & Passive Voice, and Modals**

**A. Multiple Choice Questions (MCQs)**

1. Choose the correct form of the verb: She \_\_\_\_ to school every day.
  - a) go
  - b) goes
  - c) going
  - d) gone
2. Identify the correct passive form: They paint the walls.
  - a) The walls are painted by them.
  - b) The walls were painted by them.
  - c) The walls is painted by them.
  - d) The walls be painted by them.
3. Choose the correct modal: You \_\_\_\_ wear a helmet while riding a bike.
  - a) must
  - b) might
  - c) could
  - d) may
4. Choose the correct tense: I \_\_\_\_ my homework before dinner yesterday.
  - a) finish
  - b) finished
  - c) have finished
  - d) am finishing
5. Choose the correct passive form: The teacher will check the notebooks.
  - a) The notebooks will checked by the teacher.
  - b) The notebooks will be checked by the teacher.
  - c) The notebooks are checked by the teacher.
  - d) The notebooks were checked by the teacher.

**B. Fill in the Blanks**

1. He \_\_\_\_\_ (eat) his lunch at 2 PM every day.
2. The work \_\_\_\_\_ (complete) by the students yesterday.
3. You \_\_\_\_\_ (should/must) respect your elders.
4. The letter \_\_\_\_\_ (send) tomorrow.
5. She \_\_\_\_\_ (study) for two hours when I called her.

## हिंदी

### I. भाषा सेतु

1. चोट मारने वाला खिलाड़ी क्यों शर्मिदा हुआ?
2. मेजर ध्यानचंद के अनुसार उनकी सफलता का मूल मंत्र क्या है?
3. निंदा का आनंद कब मिलता है?
4. लेखक के पड़ोसी का स्वाभाव कैसा था?
5. फूल की दशा देखकर हमें क्या सन्देश मिलता है?
6. असम को जादूगरनियों का देश क्यों कहा जाता है?
7. सम्राट अशोक किस प्रकार अकेले रह गए?

### II. विज्ञापन लेखन

1. अपना पुराना साइकिल बेचने के लिए 50 शब्दों में एक विज्ञापन लिखिए।

#### अथवा

2. स्कूल की वाद-विवाद प्रतियोगिता के लिए छात्रों को आमंत्रित करते हुए एक विज्ञापन लिखिए।

### III. पत्र लेखन

1. विद्यालय के प्रधानाचार्य को पुस्तकालय में नई पुस्तकों की मांग हेतु पत्र लिखिए।

#### अथवा

2. नगर निगम अधिकारी को सड़क पर फैली गंदगी की शिकायत करते हुए पत्र लिखिए।

### IV. व्याकरण

**विशेषण** - प्रश्न: नीचे दिए गए वाक्य को पढ़िए और उत्तर दीजिए:

"बगीचे में सुन्दर रंग-बिरंगे फूल खिले हुए थे।"

उपरोक्त वाक्य में प्रयुक्त विशेषणों की पहचान कीजिए और बताइए कि वे किस प्रकार के हैं।

**समास** - प्रश्न: नीचे दिए गए शब्द को ध्यान से पढ़कर प्रश्न का उत्तर दीजिए—

"जलपान"

यह शब्द किस प्रकार का समास है?

- (a) द्वंद्व समास (b) कर्मधारय समास (c) बहुव्रीहि समास (d) तत्पुरुष समास

**संज्ञा** - प्रश्न: नीचे दिया गया वाक्य पढ़िए और उत्तर दें:

"राम ने नदी के किनारे एक कुत्ता देखा।"

उपरोक्त वाक्य में संज्ञाओं को पहचानकर उन्हें व्यक्तिवाचक और जातिवाचक में वर्गीकृत कीजिए।

**लिंग** - प्रश्न: नीचे दिए गए शब्दों को पढ़िए और सही विकल्प चुनिए—

"कवि" शब्द का सही स्त्रीलिंग रूप क्या होगा?

- (a) कविका (b) कवियत्री (c) कविका (d) कव्री

## संस्कृत

### 1. एतत् गद्यांशं पठित्वा प्रश्नानाम् उत्तराणि लिखत—

ग्रामे रमणीयं जीवनं भवति। ग्रामवासिनः प्रतिदिनं प्रातःकाले उत्तिष्ठन्ति। ते कृषिकर्मणि लग्नाः भवन्ति। कृषकाः क्षेत्रेषु बीजानि रोपयन्ति, जलं सिंचन्ति, धान्यानि च पालयन्ति। ग्रामे वटवृक्षस्य छायायां जनाः विश्रान्तिं लभन्ति। ग्रामस्य वातावरणं शुद्धं निर्मलं च भवति। अतः ग्रामजीवनम् अत्यन्तं सुखदं मन्यते।

प्रश्नाः—

- (क) ग्रामवासिनः कदा उत्तिष्ठन्ति?
- (ख) कृषकाः किं-किं कुर्वन्ति?
- (ग) जनाः कुत्र विश्रान्तिं लभन्ति?
- (घ) ग्रामस्य वातावरणं कथं भवति?
- (ङ) ग्रामजीवनं किम् मन्यते?

### 2. नीचे दत्तानि सम्बन्धनामानि उपयुक्तस्थाने लिखत—

(पिता, माता, भ्राता, भगिनी, पितामहः, पितामही, मातामहः, मातामही, पुत्रः, पुत्री)

- (क) मम \_\_\_\_\_ गृहं गच्छति। (father)
- (ख) एषा मम \_\_\_\_\_ अस्ति। (sister)
- (ग) सः \_\_\_\_\_ बालकः अस्ति। (son)
- (घ) सा मम \_\_\_\_\_ कन्या अस्ति। (daughter)
- (ङ) \_\_\_\_\_ तथा \_\_\_\_\_ ग्रामे वसतः। (grandfather, grandmother)

### 3. विशेषणानि विशेष्यैः सह योजयतः

विशेषणानि	विशेष्याणि
(क) मनोहरम्	(i) वस्त्राणि
(ख) पीतानि	(ii) वायु
(ग) शस्यस्यमला	(iii) दृश्यं
(घ) शीतलः	(iv) प्रकृति
(ङ) वैविध्यपूर्णा	(v) मासयो
(च) द्वयो	(vi) भूमि

### 4. पञ्च पुष्पाणि नामानि लिखत ।

5 . एकपञ्चाशत्-सप्ततिः पर्यन्तं (51-70 ) संस्कृत-संख्यावाची-शब्दान् लिखतु।”

### 6. पञ्च शाकानि नामानि लिखत ।

## MATHEMATICS

Solve the following Equations:

1.  $x/5 + 9 = 15$

2.  $4(2x - 3) = 28$

4.  $7x + 18 = 4x - 9$

5.  $9 - 2(x - 4) = x + 5$

6.  $5x - 3 = 2x + 12$

7.  $(2x + 3)/5 = 7$

8. The sum of a number and 18 is 45. Find the number.

9. The perimeter of a rectangle is 54 cm. Its length is 4 cm more than the breadth. Find the breadth.

10. Riya bought a book for ₹x and a pen for ₹25. The total cost was ₹95. Find the cost of the book.

11. A man is 4 times as old as his son. If the difference of their ages is 36 years, find the son's age.

12. A shopkeeper sold a toy for ₹350 after giving a discount of ₹x. If the marked price was ₹420, find the discount.

13. A number multiplied by 7 gives 84. Find the number.

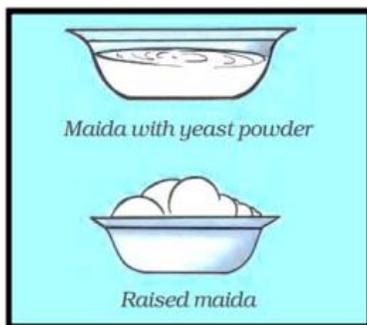
14. A grandfather is 6 times as old as his grandson. After 12 years, he will be 4 times the grandson's age. Find their present ages.

15. In a competition, the number of girls is  $\frac{2}{3}$  of the number of boys. If there are 55 participants, find the number of boys and girls.

## SCIENCE

1. Eating curd every day will help in reducing cholesterol levels, thus lowering the risk of high blood pressure and hypertension. It helps in keeping the level of cholesterol balanced and the heart healthy. Do you know in making curd a microorganism plays the most significant role? Name it.

2. Observe the diagram and comment on the following:



a- Process involved

b- Microorganisms involved

c- Reason for the process

3. Preservatives are used to protect our foodstuff for a longer time. Read the below table and answer as per questions asked in different boxes.

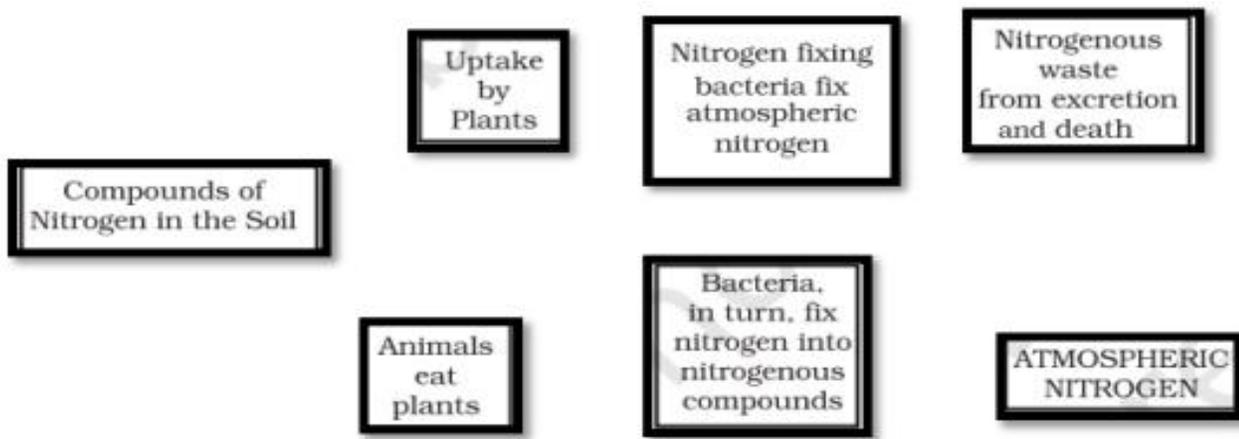
a- Identify the type of preservative used in our kitchen

b- Write the mechanism

c- Define the process

<b>Pickle</b>	Preservative name	
<b>Jam and Jellies</b>	Preservative name	
<b>Milk</b>	Name of process	Definition of process
<b>Sugar</b>	How act as a preservative?	
<b>Chemical preservative</b>	Example 1	Example 2

4. Arrange the following boxes in the correct sequence to make complete nitrogen cycle:



5. Explain about any two ways in which micro-organisms are beneficial to us as well as harmful to us.

## SOCIAL SCIENCE

### A. Multiple Choice Questions

- Which industry is known as the backbone of all industries?  
a) Textile Industry    b) Iron and Steel Industry    c) Sugar Industry    d) Jute Industry
- The Indian National Congress was founded in:  
a) 1905    b) 1885    c) 1920    d) 1942
- Which of the following is a mineral-based industry?  
a) Sugar    b) Cement    c) Paper    d) Cotton textile
- The Jallianwala Bagh massacre took place in:  
a) Amritsar    b) Delhi    c) Kolkata    d) Mumbai
- The slogan "Do or Die" was given during:  
a) Civil Disobedience Movement    b) Quit India Movement  
c) Non-Cooperation Movement    d) Swadeshi Movement

## B. Very Short Answer Questions

1. Define industry.
2. What was the aim of the Swadeshi Movement?
3. Name one agro-based and one mineral-based industry.
4. Write any one cause of the Non-Cooperation Movement.
5. What does Purna Swaraj mean?

## C. Long Answer Questions

1. Explain any three major factors affecting the location of industries with examples.
2. Describe the role of Mahatma Gandhi in the freedom struggle, mentioning at least two movements he led.
3. Draw the flow chart showing the classification of industries.

## D. Assertion & Reasoning

Read both the statements carefully and Choose the correct option which best describes the relationship between two:

- A. Both A and R are true & 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: IT industries need skilled labour.  
Reason: IT industries depend more on knowledge than raw materials.
2. Assertion: The Jallianwala Bagh massacre united Indians against British rule.  
Reason: People were angry as the British forces fired at peaceful, unarmed citizens.
3. Assertion: Industries should be located near raw material sources.  
Reason: It reduces the cost of transportation.

## E. HOTS (Higher Order Thinking Skills)

1. Imagine you lived in 1920. How would you contribute to the Non-Cooperation Movement as a student?
2. Suggest two eco-friendly steps industries can take to reduce environmental pollution.

## ARTIFICIAL INTELLIGENCE

**Q1. Write what comes to your mind when you hear the word AI.**

**Q2. List any 3 AI tools or technologies you have seen or used:**

AI Tool / App	Where you used it?
1.	
2.	
3.	

### Q.3 Key Principles of AI Ethics.

Principle	Meaning (Write in your own words)	Emoji
✓ Fairness	_____	😊
✓ Privacy	_____	🔒
✓ Transparency	_____	🔍
✓ Safety	_____	🛡️

### Q.4 Write E for Ethical and U for Unethical in the box.

Situation	E / U
Using AI to cheat in exams	
Using AI translation app to understand a language	
Editing someone's photo and posting without permission	
Using AI to detect diseases in hospitals	
Copying an assignment fully from AI tool	
Using AI chatbot to clear doubts	

**Q.5 Case Study - Mia used an AI image generator to create funny images of classmates and shared them in a WhatsApp group. Some students felt hurt and complained to the teacher.**

1. What ethical issues can you see here?
2. What should Mia have done instead?

**Q.6 Write 3 AI Ethics rules you promise to follow.**

**Q.7 Why should we learn AI ethics?**

## INFORMATION TECHNOLOGY

### A. Multiple Choice Questions (MCQs)

**1. Data science mainly deals with:**

- a) Drawing pictures
- b) Studying planets
- c) Collecting, analyzing, and interpreting data
- d) Playing games

**2. Raw facts and figures are called:**

- a) Information
- b) Data
- c) Knowledge
- d) Result

**3. Which of the following is an example of *categorical data*?**

- a) Height of students
- b) Age of students
- c) Favourite subject
- d) Marks in maths

**4. A collection of related data stored together is known as:**

- a) Folder
- b) Database
- c) Chart
- d) Graph

**5. Which chart is best for showing trends over time?**

- a) Pie chart
- b) Line chart
- c) Bar graph
- d) Table

**6. Which step comes first in the data science process?**

- a) Data collection
- b) Data visualization
- c) Data cleaning
- d) Drawing conclusions

**7. Data that contains numbers is called:**

- a) Qualitative data
- b) Descriptive data
- c) Quantitative data
- d) Mixed data

**8. A pie chart is useful to show:**

- a) Comparison between groups
- b) Percentage share of categories
- c) Trends over time
- d) Relationship between two variables

**B. Short-Answer Questions (30–40 words)**

**1. What is data science? Explain in your own words.**

**2. Differentiate between data and information.**

**3. What are the different types of data? Give one example each.**

**4. What is data visualization? Why is it important?**

**5. What is the purpose of data cleaning?**

**6. Write any two examples of data collected in daily life.**

**7. What is a bar graph? When is it used?**