



MOUNT COLUMBUS SCHOOL
DAKSHINPURI, NEW DELHI-62
SESSION: 2025-26
WINTER VACATION HOLIDAY HOMEWORK
CLASS: VII

SUBJECT – ENGLISH		
WORKSHEET NO.	TOPICS	PAGE NO
08	Voice: Active and Passive	09
10	Prepositions	11
11	Conjunctions	12
12	Clauses	13
13	Comprehension	14
14	Comprehension	15
VOCABULARY ENHANCEMENT AND CREATIVE WRITING		
01	Vocabulary Enhancement	02
02	Vocabulary Enhancement	03
03	Paragraph Writing	04
04	Composition Writing	05
05	Letter Writing	06
06	Picture Composition	07

SUBJECT – HINDI		
WORKSHEET NO.	TOPICS	PAGE NO.
06	➤ समास	07
07	➤ वचन	08
08	➤ काल	09
09	➤ वाच्य	10
10	➤ अव्यय: समुच्चयबोधक	11
13	➤ विराम चिह्न	12
		14

SUBJECT-SANSKRIT		
1. पञ्चाशतः शतं यावत् संस्कृते संख्याः लिखत।		
2. दश शाकानां नामानि संस्कृते लिखत।		
3. दश फलानां नामानि संस्कृते लिखत।		
4. दश वर्णानां नामानि संस्कृते लिखत।		
5. दश पुष्पाणां नामानि संस्कृते लिखत।		
6. दश शरीराङ्गानां नामानि संस्कृते लिखत।		
गतिविधि - "ऊर्जा बचाओ, गाँव सजाओ" छात्र नवीकरणीय ऊर्जा स्रोतों (सौर, पवन) का मॉडल बनाकर गाँव में		

इसके उपयोग के सुझाव लिखेंगे।।

SUBJECT- MATHEMATICS

WORKSHEET NO.	TOPICS	PAGE NO.
7	➤ Rational Numbers	8
8	➤ Rational Numbers	9
9	➤ Exponents and Power	10
10	➤ Exponents and Power	11
11	➤ Algebraic Expression	12
12	➤ Linear Equations in one variable	13
13	➤ Lines and Angles	14
14	➤ Triangle and its Properties	15
21	➤ Symmetry	22
22	➤ 3D Shapes	23

SUBJECT-SCIENCE

WORKSHEET NO.	TOPICS	PAGE NO
5	➤ Acids, bases and salts	6
6	➤ Physical and chemical changes	7
10	➤ Respiration in animals and plants	11
12	➤ Reproduction in plants	13
13	➤ Motion and time	14

SUBJECT – SOCIAL SCIENCE

WORKSHEET NO.	TOPICS	PAGE NO.
04	➤ Civics	05
05	➤ Geography	06
06	➤ Geography	07

SUBJECT – APTITUDE AND REASONING

WORKSHEET NO.	TOPICS	PAGE NO.
01	➤ Analogy	02
02	➤ Puzzle	03
03	➤ Venn Diagram	04
04	➤ Average	05
05	➤ Spelling Test	06
06	➤ Mixed Series	07
07	➤ Sentence Reconstruction	08
08	➤ Phrases	09
09	➤ Antonyms	10

10	➤ Dot Situation	11
11	➤ One Word Substitution	12
12	➤ Blood Relation	13
13	➤ Ranking	14
14	➤ Idioms	15

SUBJECT – GENERAL KNOWLEDGE AND LIFE SKILLS

WORKSHEET NO.	TOPICS	PAGE NO.
01	➤ Non-Governmental Organisations	02
02	➤ Top to Bottom	03
03	➤ Climbing High	04
04	➤ Books and Authors	05
05	➤ Abbreviations	06
06	➤ Fossils	07
07	➤ Cuisines of the World	08
08	➤ Rapid Fire	09
09	➤ Guests and Hots	10
10	➤ Be a Good Speaker	11
11	➤ Famous First	12
12	➤ Science Quiz	13
13	➤ Save Electricity	14
14	➤ Teenage Challenges	15

SUBJECT – ART AND CRAFT

WORKSHEET NO.	TOPICS	PAGE NO.
04	➤ Portrait of a Male	05
05	➤ Christmas Tree	06
06	➤ Mesmerising Landscape	07

SUBJECT – ARTIFICIAL INTELLIGENCE

Student Name: _____ **Section:** _____ **Roll No.:** _____

1: CONCEPT CONNECT (SHORT ANSWERS)

Write answers in very simple words (2–3 lines).

1. What is Artificial Intelligence (AI)?
2. Write two examples of AI you see in daily life. (Hint: voice assistant, face unlock)
3. What is an algorithm? (Step-by-step way to solve a problem.)
4. What is a flowchart? (Picture of an algorithm using boxes and arrows.)
5. What is Computer Vision? (AI that can “see” images and objects.)
6. What is app development? (Making a new app.)
7. What is Natural Language Processing (NLP)? (AI that understands human language.)

2: AI EXAMPLES TABLE (FILL IN THE BLANKS)

Write very short answers. One or two words are enough.

Question	Your Answer
One AI that uses voice	(Example: Alexa / Google Assistant)
One AI that uses images	(Example: Google Lens / Face unlock)
One AI that helps in studies	(Example: AI tutor / chatbot)
One AI used in mobile apps	(Example: keyboard suggestions)
One AI that understands language	(Example: translator app)

(Students can use any simple local examples.)

3: CHOOSE ONE AI APP

Choose any one:

- Google Assistant / Siri
- Google Lens
- Google Translate
- Any chatbot (like homework helper)

Write:

1. App name: _____
2. What does this app do? (1–2 lines)
3. Two good things about this app:
 -
 -
4. One thing you want to improve:
 -

4: MAKE YOUR OWN AI STUDY APP (VERY SIMPLE)

On A4 sheet:

- Draw the home screen of your study app.
- Show: app name, 2–3 buttons (like “Ask Doubt”, “Practice Quiz”, “Notes”).

On notebook, write:

1. App Name: _____
2. Who will use it? (Class 7 students, all students, etc.)
3. What is the main use? (Example: to clear doubts, to explain homework.)
4. Write steps (like small algorithm):
 - Step 1: Open the app.

- Step 2: Tap on _____.
- Step 3: Type or speak your question.
- Step 4: App shows the answer/help.

5: FUTURE AI IDEA (HEALTH / EDUCATION / ENVIRONMENT)

Choose any one topic:

- Health
- Education
- Environment

Write in 3–4 very simple lines:

1. Name of your AI idea: _____
2. Which topic? (Health / Education / Environment)
3. What problem does it solve? (Example: helps sick people, helps students, keeps city clean.)
4. How does AI help? (Example: uses camera to see, uses language to talk, uses data to give advice.)

SUBJECT – INFORMATION TECHNOLOGY

1: CONCEPT CONNECT

Answer in your own words (3–4 lines each):

1. What is a **mobile application**?
2. Why are mobile apps important in our daily life?
3. Write names of **any four apps** you use regularly and their purpose.

2: APP CLASSIFICATION TABLE

Complete the table:

App Name	Category (Education / Game / Utility / Social)	One Feature
----------	--	-------------

3: APP ANALYSIS TASK

Choose **any ONE app** (WhatsApp / Google Classroom / YouTube / Zomato etc.) and answer:

- App name: _____
- Purpose of the app: _____
- Two good features:
 1. _____
 2. _____
- One improvement you suggest: _____

4: DESIGN YOUR OWN APP (CREATIVE TASK)

Design a **new mobile app** for students.

Include: (App Name, Target users, Purpose and Any **3 features**)

Draw the **home screen layout on A4 size sheet**. (buttons, icons, menu).

Write the correct sequence.

5: MOBILE APP ACTIVITY

Create a **future mobile app idea** for:

🏥 Health / 🎓 Education / 🌍 Environment

(Write the problem it solves and how it helps society)