



MOUNT COLUMBUS SCHOOL
DAKSHINPURI, NEW DELHI-110062
WORKSHEET-NOVEMBER
CLASS-VII
ENGLISH

1. Rewrite the following groups of words as complete, meaningful sentences.

- a) playing / children / the / are / in the park
- b) book / interesting / very / this / is
- c) quickly / the / ran / dog
- d) my friend / a letter / wrote
- e) flowers / the garden / beautiful / in / are

2. Fill in the blanks with suitable determiners (some, any, each, every, few, many, this, those):

- a) _____ student must bring their ID card.
- b) There are _____ apples in the basket.
- c) I don't have _____ information about the event.
- d) _____ book belongs to me.
- e) _____ of my classmates were absent yesterday.

3. Identify whether the verb in each sentence is transitive (T) or intransitive (I). Write T or I at the end of each sentence.

- a) The baby cried loudly. _____
- b) She wrote a letter. _____
- c) The sun rises in the east. _____
- d) Mohan broke the glass. _____
- e) The boys laughed. _____

4. Fill in the blanks with the correct form of the verb in brackets.

- a) She _____ (go) to school every day.
- b) We _____ (watch) a movie yesterday.
- c) They _____ (play) cricket when it started raining.
- d) I _____ (finish) my homework already.
- e) The train _____ (arrive) at 6 p.m. tomorrow.

5. Change the following sentences from Active to Passive Voice.

- a) Rohan completed the project.
- b) The chef cooked the meal.
- c) They will announce the results tomorrow.
- d) The students wrote the answers.
- e) She is painting the wall.

हिंदी

A. शब्दार्थ (Word Meaning)

नीचे दिए शब्दों के अर्थ लिखिए—

1. शिखर – _____
2. हिमालय – _____
3. संकल्प – _____
4. परिश्रम – _____
5. सकारात्मक – _____
6. नकारात्मक – _____
7. प्रेरणा – _____
8. व्यक्तित्व – _____

B. रिक्त स्थान भरिए (Fill in the Blanks)

1. कवि ने हिमालय को _____ का प्रतीक बताया है।
2. ऊँची चोटी हमें _____ करने की प्रेरणा देती है।
3. परिश्रम और _____ से कठिनाइयों पर विजय पाई जा सकती है।
4. सकारात्मक विचार व्यक्ति को _____ और आत्मविश्वासी बनाते हैं।
5. नकारात्मक विचार _____ उत्पन्न करते हैं।
6. जीवन में विचार हमारे _____ और व्यवहार को प्रभावित करते हैं।

C. सही विकल्प चुनिए (MCQs)

1. कविता का मुख्य संदेश क्या है?
A. आराम करना
B. ऊँचा लक्ष्य बनाकर मेहनत करना
C. यात्रा करना
D. प्रकृति का वर्णन करना

उत्तर: _____

2. 'हिमालय की चोटी' किसका प्रतीक है?
A. चोट
B. ऊँचाई और लक्ष्य
C. पशु
D. खेल

उत्तर: _____

3. पाठ का मुख्य संदेश क्या है?
A. केवल पढ़ाई जरूरी है
B. भोजन जरूरी है

C. सकारात्मक विचार जीवन को सुंदर बनाते हैं

D. विचारों का कोई महत्व नहीं

उत्तर: ____

4. सकारात्मक सोच का परिणाम क्या होता है?

A. डर

B. निराशा

C. आत्मविश्वास

D. क्रोध

उत्तर: ____

D. निम्नलिखित का उत्तर दीजिए (Short Answer Questions)

1. हिमालय की चोटी देखकर कवि को क्या प्रेरणा मिलती है?
2. हमें ऊँचे लक्ष्य क्यों बनाने चाहिए?
3. कविता में परिश्रम का क्या महत्त्व बताया गया है?
4. सकारात्मक विचारों के दो लाभ लिखिए।
5. नकारात्मक विचारों से व्यक्ति को क्या हानि होती है?
6. विचार हमारे जीवन को कैसे प्रभावित करते हैं?

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—

(नासिका, नेत्रे, कर्णौ, पादौ, हस्ताः)

1. मनुष्यस्य ___ दृष्ट्यर्थं भवन्ति।

2. ___ श्रवणार्थं प्रयुज्येते।

3. वस्तुग्रहणं ___ करोति।

4. गन्धज्ञानस्य मुख्यं साधनं ___ अस्ति।

5. गमनार्थं ___ सहाय्यकौ स्तः।

3. विशेषणानि विशेष्यैः सह योजयतः

विशेषणानि

- (क) दिव्या
(ख) प्रसिद्धा
(ग) मलिनेन
(घ) भगवतः
(ङ) दिव्यैः
(च) नृपः

विशेष्याणि

- (i) देवैः
(ii) जलेन
(iii) शङ्करस्य
(iv) भगीरथः
(v) देवनदी
(vi) कथा

4. पञ्च पुष्पाणि नामानि लिखत ।

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

6. पञ्च शाकानि नामानि लिखत ।

MATHEMATICS

Q1. Write an algebraic expression for: ‘a number increased by 7’.

Q2. Write the coefficient of x in: 9x.

Q3. How many terms are there in the expression: $4p - 2q + 7$?

Q4. Write the like terms from: 3m, -5n, 7m, n.

Q5. Simplify: $6y + 4y$.

Q6. Evaluate the expression $5k - 2$ at $k = 3$.

Q7. Find the value of: $3x + y$ when $x = 2$, $y = 5$.

Q8. Simplify: $8b + 3c - 5b + c$.

Q9. Simplify: $3(2x - 1) + 4(x + 3)$.

Q10. A rectangle has length $(4x + 1)$ and breadth $(x - 2)$. Write expressions for perimeter and area.

Q11. A box has x marbles. If 25 marbles are removed, how many marbles remain?

Q12. There are x students in a class. If 13 more students join, how many students are there now?

Q13. Write an algebraic expression for: ‘a number t decreased by 11’.

Q14. Write an algebraic expression: ‘5 less than a number n’.

Q15. A number x is increased by 12 and then decreased by 7. Write the expression.

SCIENCE

Q1. Riya has stomach acidity. The doctor gave her an antacid tablet. Why is an antacid helpful? What property of bases does it use?

Q2. You are given three liquids: lemon juice, soap solution and water. You have red litmus paper only. Describe how you will identify which one is acidic, basic and neutral.

Q3. Write two differences between natural indicators and synthetic indicators with examples.

Q4. What is neutralisation? Write two real life examples where this reaction is useful.

Q5. A student adds soap solution to turmeric paste. The turmeric turns reddish-brown. What does this colour change indicate?

Q6. A lab test shows the pH values of four solutions:

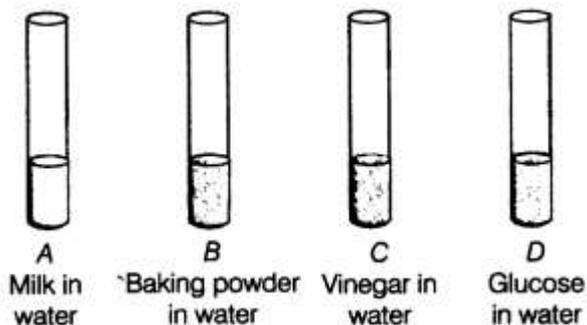
- Solution A – pH 2
- Solution B – pH 7
- Solution C – pH 10
- Solution D – pH 5

Identify which solutions are strong acids, weak acids, neutrals, weak bases, strong bases.

Q7. An old marble building in the city shows signs of slow surface damage. Scientists tested rainwater from the area and found that it has a pH of 5.5. The city has many factories releasing smoke containing sulphur dioxide and nitrogen oxides.

- Why is the rainwater in the city slightly acidic?
- How does acidic rainwater affect marble buildings?
- Identify the type of chemical reaction between marble (calcium carbonate) and acid.
- Suggest one measure the city can take to reduce the acidity of rainwater.

Q8. Look at the figure which shows solutions taken in test tubes A, B, C and D. What colour is expected, when a piece of red litmus paper is dropped in each test tube?



Q9. While playing in a park, a child was stung by a wasp. Some elders suggested applying paste of baking soda and others lemon juice as remedy. Which remedy do you think is appropriate and why?

Q10. Sumit, Renu and their friend Golu were provided with a test, each containing China rose solution which was pink in colour. Sumit added 2 drops of solution 'A' in his test tube and got dark pink colour. Renu added 2 drops of solution 'S' to her test tube and got green colour. Golu added 2 drops of solution 'C' but could not get any change in colour. Suggest the possible cause for the variation in their results.

SOCIAL SCIENCE

A. Fill in the blanks.

- _____ was the language used by the Aryans.
- Ramayana was rewritten in Tamil by _____
- _____ wrote Sursagar.
- _____ wrote Rajtarangini.
- Urdu is the mixture of Hindi and _____.
- In Tibet the river Brahmaputra is called _____.

7. River Brahmaputra originates from the _____ lake.
 8. River Amazon originates from _____ mountain range.

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

1. The Amazon Basin receives heavy rainfall throughout the year.
2. The Ganga–Brahmaputra Basin has fertile alluvial soil that supports dense population.
3. People in the Amazon Basin live in houses built on stilts called malocas.
4. Kathak dance developed mainly in the courts of the Mughal emperors and Nawabs of Awadh.
5. The Rajputs were known for developing distinct styles of miniature paintings.
6. The Bengali language gradually evolved from Sanskrit during the medieval period.

D. Answer in one word.

1. The river basin that forms a large delta in India and Bangladesh — _____
2. Traditional houses built on stilts in the Amazon region — _____
3. A classical dance form associated with temples of South India — _____
4. The regional language that developed in Bengal — _____
5. The type of climate found in the Amazon Basin — _____

C. Answer the questions in brief.

1. Describe the climate of Amazon basin.
2. Describe the climate of Ganga-Brahmaputra basin.
3. Why is Ganga basin densely populated?
4. Describe the Flora of the Ganga-Brahmaputra basin.
5. Name some tributaries of river Ganga.

INFORMATION TECHNOLOGY

Q.1 Think & Write

Look around your home. List **any 3 activities that people do using the Internet.**

Activity	Who does it?	Purpose
_____	_____	_____
_____	_____	_____
_____	_____	_____

Q.2 True or False

Statement	T / F
1. E-commerce saves time and effort.	_____
2. Online transactions are always risky.	_____
3. Zoom and Google Meet allow video calling.	_____
4. Amazon is a social media website.	_____
5. UPI means Unified Payments Interface.	_____

Q. 3 Identify the Category

Write **Shopping / Social / Learning / Payments / Search Engine** in front of each.

Name	Category
Amazon	_____
Instagram	_____
Google Pay	_____
Google	_____
Khan Academy	_____

Q. 4 Imagine you are buying a **water bottle** online.
Write **the steps you follow** from searching the product to making payment.

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Q. 5 Give **any two differences** between **Traditional Shopping** and **Online Shopping**.

Traditional Shopping

Online Shopping

ARTIFICIAL INTELLIGENCE

A: Multiple Choice Questions (MCQs)

- AI and Human Language mainly deals with which AI domain?
 - Computer Vision
 - Natural Language Processing
 - Robotics
 - Data Science
- Which of the following is the BEST example of Natural Language Processing?
 - Face unlock on a mobile phone
 - A robot vacuum cleaner avoiding obstacles
 - Autocorrect while typing a message
 - A drone flying in the sky
- A student speaks to a voice assistant: “What is the weather today?” The assistant replies correctly. Which TWO steps of NLP are most important here?
 - Seeing and colouring
 - Speech recognition and language understanding
 - Face detection and tracking
 - Sorting and searching files
- Which of these is UNSTRUCTURED language data for an NLP system?
 - A neatly arranged table of numbers in Excel
 - A list of roll numbers in ascending order

- c) A paragraph written by a student in English
 - d) A bar graph of test scores
5. Which statement about NLP is TRUE?
- a) NLP helps computers understand only images.
 - b) NLP allows computers to understand and generate human language.
 - c) NLP is used only for playing games.
 - d) NLP works only with numbers and graphs.

B: Short-answer Questions

1. In your own words, what is Natural Language Processing (NLP)?
2. Write any three real-life examples where NLP is used in our daily life.
3. How is NLP different from Computer Vision? Explain with one example for each.
4. Why do AI systems sometimes misunderstand human language (for example, when you speak in mixed Hindi-English or use slang)?
5. Suppose you are designing a school chatbot for doubts. Write two things it should be able to do using NLP.