



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

**A. The following statements are false. Correct them.**

1. King Brahmadata ruled the city of Ayodhya.

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2. 600 learned Brahmins were summoned to celebrate the birth of the Bodhisattva.

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3. The Bodhisattva travelled to the city of Mithila to be trained.

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4. The Demon with the Matted Hair tried to train the Bodhisattva.

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5. The Demon stood in front of the Bodhisattva like a coconut tree.

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**B. Answer the following questions briefly.**

1. Write a character sketch of the Bodhisattva.

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2. What did the king do when he heard the revelation?

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3. What was sent by the king as fees for the Bodhisattva's training?

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**C. Write the synonyms of the following words.**

1. gift \_\_\_\_\_ 2. devour \_\_\_\_\_

3. revealed \_\_\_\_\_ 4. halt \_\_\_\_\_

5. struck \_\_\_\_\_

**D. Write the antonyms of the following words.**

1. live \_\_\_\_\_ 2. young \_\_\_\_\_

3. mine \_\_\_\_\_ 4. merciless \_\_\_\_\_

5. farewell \_\_\_\_\_

**E. Use the correct adjective to fill in the blanks.**

1. The Bodhisattva's courage is \_\_\_\_\_ (admire)

2. He was very \_\_\_\_\_ in his idea of defeating the Demon. (create)
3. He found it an \_\_\_\_\_ pastime to defeat the Demon with his idea. (amuse)
4. Kings need to have a \_\_\_\_\_ flair for getting ideas. (nature)
5. Finally, he was \_\_\_\_\_ and could rule over his kingdom in peace. (success)

## हिंदी

### प्रश्न 1: संक्षिप्त उत्तर लिखिए-

1. सच्चा तीर्थयात्री किसे कहा जाता है?
2. पाठ में किस गुण को सबसे महत्वपूर्ण बताया गया है?
3. सेवा करने से क्या लाभ होता है?
4. "इसे जगाओ" कविता के कवि कौन हैं?
5. कविता का मुख्य विषय क्या है?

### प्रश्न 2: रिक्त स्थान भरिए-

1. सच्चा तीर्थयात्री वही है जो \_\_\_\_\_ करता है।
2. हमें हमेशा \_\_\_\_\_ और \_\_\_\_\_ का व्यवहार करना चाहिए।
3. हमें अपने भीतर \_\_\_\_\_ और \_\_\_\_\_ को जागृत करना चाहिए।
4. जागरूक व्यक्ति हमेशा \_\_\_\_\_ और \_\_\_\_\_ होता है।

### प्रश्न 3: सही (✓) या गलत (✗)

1. केवल मंदिर जाना ही सच्ची तीर्थयात्रा है। ( )
2. सच्चा तीर्थयात्री दूसरों की मदद करता है। ( )
3. हमें दूसरों के प्रति सहानुभूति रखनी चाहिए। ( )
4. "जगाना" का अर्थ केवल सोने से उठना है। ( )
5. कविता हमें जागरूक बनने की प्रेरणा देती है। ( )
6. हमें अपने कर्तव्यों को नहीं समझना चाहिए। ( )

### प्रश्न 4: बहुविकल्पीय प्रश्न (MCQ)

1. सच्चा तीर्थयात्री किसे कहा गया है?  
(A) जो केवल पूजा करता है  
(B) जो दूसरों की सेवा करता है  
(C) जो यात्रा करता है  
(D) जो मंदिर बनाता है
2. जागरूक व्यक्ति कैसा होता है?  
(A) आलसी  
(B) लापरवाह  
(C) जिम्मेदार  
(D) उदास

### प्रश्न 5: लघु उत्तरीय प्रश्न

1. सच्चा तीर्थयात्री किन गुणों से पहचाना जाता है?
2. कविता का मुख्य संदेश क्या है?

**प्रश्न 6: सोचो और लिखो (HOTS)**

1. यदि आप किसी जरूरतमंद व्यक्ति को देखें तो आप क्या करेंगे?
2. आप अपने जीवन में जागरूक कैसे बन सकते हैं?

**संस्कृत**

**Q1. सही विकल्प चुनकर लिखिए -**

(क) "रामः गच्छति" का लङ् लकार रूप है।

(a) अगच्छत् (b) गच्छति (c) अगच्छः

(ख) "त्वम् पठसि" का लङ् लकार रूप है।

(a) अपठत् (b) अपठः (c) पठसि

(ग) "सीता क्रीडति" का लङ् लकार रूप है।

(a) अक्रीडः (b) अक्रीडत् (c) क्रीडति

(घ) "यूयम् गच्छथ" का लङ् लकार रूप है।

(a) अगच्छत (b) अगच्छथ (c) अगच्छः

**Q2. रिक्त स्थान भरिए -**

(क) रामः \_\_\_\_\_ (गम्) ।

(ख) त्वम् \_\_\_\_\_ (पठ्) ।

(ग) ते \_\_\_\_\_ (क्रीड्) ।

(घ) यूयम् \_\_\_\_\_ (लिख्) ।

**Q3. वर्तमान से भूतकाल में बदलिए -**

(क) रामः पठति।

(ख) त्वम् गच्छसि।

(ग) सीता लिखति।

(घ) यूयम् क्रीडथ।

**Q4. अनुवाद कीजिए -**

(क) वह स्कूल गया।

(ख) तुमने पुस्तक पढ़ी।

(ग) वे खेले।

(घ) तुम सबने लिखा।

**प्रश्न 5. पञ्च शाकानि नामानि लिखत।**

**प्रश्न 6. पञ्च फलानि नामानि लिखत।**

**प्रश्न 7. संख्यावाची (1 -20 तक) शब्दाः लिखत ।**

**MATHEMATICS**

- Q1. Write the additive inverse of  $-15$ .  
Q2. What is the absolute value of  $-9$ ?  
Q3. Convert  $\frac{3}{5}$  into decimal.  
Q4. Write  $0.75$  as a fraction in simplest form.  
Q5. A submarine is at  $-120$  m below sea level. It rises by  $45$  m. What is its new position?  
Q6. Riya ate  $\frac{3}{8}$  of a cake and her brother ate  $\frac{1}{4}$ . How much cake did they eat in total?  
Q7. A shopkeeper had ₹500. He spent ₹245.75. How much money is left?  
Q8. Riya is preparing lemonade for a family gathering. Each bottle contains  $0.75$  L of juice. She buys 2 bottles from the shop.  
a) How much juice does Riya have in total?  
b) Write the total quantity in fraction form.  
c) Will this be enough to fill 2 full 1-litre bottles? Give reason.  
Q9. The sum of two integers is  $-20$ . One integer is three times the other. Find both integers.  
Q10. If  $a=-6$ ,  $b=4$ . Find the value of:  
 $a-b+(-a)-(-b)$   
Q11. Evaluate:  $\frac{3}{5}+\frac{7}{10}-\frac{1}{2}$   
Q12. Find a fraction which when added to  $\frac{3}{4}$  gives 1.

**SCIENCE**

Worksheet No. 1, The ever-evolving world of science (Pg. No. -5, 6, 10)

Worksheet No. 8, Measurement of time and motion (Pg. No. -57, 58, 63, 64)

**SOCIAL SCIENCE**

**A. Fill in the Blanks**

1. The rise of mahajanapadas was supported by the use of \_\_\_\_\_ tools.
2. In ganas and sanghas, the raja was chosen by an \_\_\_\_\_ of chiefs.
3. Varanasi and Ujjain were important centres of \_\_\_\_\_ and learning.
4. The Peninsular Plateau is rich in minerals like iron ore, coal and \_\_\_\_\_.
5. The Himalayas were formed due to the collision of the Indian Plate with the \_\_\_\_\_ Plate.

**B. Answer in One Word**

1. Name the soil deposited by rivers in the Northern Plains. \_\_\_\_\_
2. Name one religion that rose during the time of mahajanapadas. \_\_\_\_\_
3. Name the system that divided society into Brahmins, Kshatriyas, Vaishyas and Shudras.  
\_\_\_\_\_
4. Name the mountain range that prevents the spread of the Thar Desert. \_\_\_\_\_
5. What do we call groups based on birth in the varna-jati system? \_\_\_\_\_

**C. Answer the Following Questions.**

1. Mention any two ways ancient texts help us understand the Second Urbanisation.
2. Write any two points showing the significance of the mahajanapadas.
3. Write two features of the varna-jati system during the Vedic period.
4. Why is the Peninsular Plateau important for economic development? Write any two points.

5. Why are the Himalayas called the “Water Towers of Asia”? Write any two reasons.

**D. Match the Following**

Column A

Column B

- |                       |  |
|-----------------------|--|
| 1. Aravalli Range     | a. Coral reefs and marine biodiversity |
| 2. Peninsular Plateau | b. Assembly selects the raja           |
| 3. Indian Islands     | c. Stops spread of Thar Desert         |
| 4. Ganas/Sanghas      | d. Rich in minerals                    |
| 5. Himalayas          | e. Source of major rivers              |

**INFORMATION TECHNOLOGY**

**Section A: Fill in the Blanks**

1. The number system used by computers is called the \_\_\_\_\_ number system.
2. The base of the binary number system is \_\_\_\_\_.
3. The digits used in binary numbers are \_\_\_\_\_ and \_\_\_\_\_.
4. The base of the decimal number system is \_\_\_\_\_.
5. The hexadecimal system uses digits from 0–9 and letters \_\_\_\_\_ to \_\_\_\_\_.

**Section B: Multiple Choice Questions (MCQs)**

1. Which number system is used in computers?  
a) Decimal  
b) Binary  
c) Roman  
d) Octal
2. What is the base of the octal number system?  
a) 2  
b) 8  
c) 10  
d) 16
3. How many digits are there in the hexadecimal system?  
a) 2  
b) 8  
c) 10  
d) 16
4. Binary number 101 represents:  
a) 3  
b) 5  
c) 6  
d) 7

**Section C: Conversions**

**1. Convert Binary to Decimal:**

- (a)  $101_2 =$  \_\_\_\_\_
- (b)  $1101_2 =$  \_\_\_\_\_
- (c)  $10010_2 =$  \_\_\_\_\_

## 2. Convert Decimal to Binary:

- (a)  $5_{10} =$  \_\_\_\_\_
- (b)  $10_{10} =$  \_\_\_\_\_
- (c)  $15_{10} =$  \_\_\_\_\_

## Section D: Match the Following

### Column A    Column B

Binary	Base 10
Decimal	Base 2
Octal	Base 16
Hexadecimal	Base 8

## ARTIFICIAL INTELLIGENCE

### Q1. Multiple Choice Questions

I. What does NLP stand for?

- |                                 |                                |
|---------------------------------|--------------------------------|
| A) Neuro-Linguistic Programming | B) Natural Language Processing |
| C) Networked Language Protocol  | D) New Learning Platform       |

II. Which of the following is a common NLP task?

- |                     |                             |
|---------------------|-----------------------------|
| A) Tokenization     | B) Calculating square roots |
| C) Drawing pictures | D) Playing music            |

III. What is the purpose of stopword removal in NLP?

- |                        |   |
|------------------------|---|
| A) To make text longer | B) To remove common words that add little meaning |
| C) To translate text   | D) To encrypt messages                            |

IV. Named Entity Recognition (NER) is used to:

- |  |                                  |
|--|----------------------------------|
| A) Identify names of people, places, dates in text | B) Count the number of sentences |
| C) Change font size                                | D) Detect spelling errors        |

V. Which step in NLP involves breaking sentences into individual words?

- |                  |                 |
|------------------|-----------------|
| A) Stemming      | B) Tokenization |
| C) Lemmatization | D) Parsing      |

### Q2. Short Answer Questions

- I. Define Natural Language Processing (NLP) in one sentence.
- II. List two preprocessing steps commonly used in NLP.
- III. Explain what sentiment analysis does.
- IV. Give one real-world application of NLP that you might use daily.
- V. Why is learning from large amounts of text data important for NLP systems?