



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

ENGLISH

I. Underline the adverbs in the following sentences and state their kind:

- 1) The boy is too careless.
- 2) The winds are very strong.
- 3) The baby slept soundly.
- 4) The soldiers fought the war valiantly.
- 5) Joey always tries his best.

II. Fill in the blanks with the correct form of the verb as directed.

- a) Damon _____ (drink) coffee every morning. Simple Present Tense
- b) The boy _____ (got) up late and missed the bus. Simple Past Tense
- c) The train _____ (leave) the station. Present Perfect Tense
- d) The team _____ (play) very well. Simple Present Tense
- e) I will _____ (move) to Delhi soon. Simple Future

III. Fill up the blanks with shall, will, should, would, may, might, can, and could.

- a) I ___ arrange the flowers for the bouquet. (may/can)
- b) ___ I borrow this pen from you? (may/might)
- c) ___ you have hot chocolate? (shall/will)
- d) You ___ follow the traffic rules. (may/must)
- e) I, please, make a call from your phone?

IV. Rearrange the words and phrases to form meaningful sentences.

- a) ancient / India / a rich / history / with / and diverse / culture / is
- b) endangered species / conservation / play / a critical / in / role / the / of
- c) fossil fuels / the / of / burning / environment / contributes / to / degradation / significantly
- d) learning / diverse / perspectives / problem-solving / and / can / critical thinking / enhance / skills
- e) important / pollution / the / air quality / urban / is / factor / in / cities / an
- f) the / explore / city / tourists / historical / attractions / to / love.

V. Fill in the blanks with correct form of the verb given in the brackets.

- a) Have you ever _____ such a beautiful scene? (see)
- b) The moon _____ yet. (appear)
- c) What _____ your father feel about Resonance? (do)
- d) All work and no play _____ Jack a dull boy. (make)
- e) He _____ (scratch) his head and _____ for a moment. (think)

हिंदी

निम्नलिखित प्रश्नों के सही उत्तर विकल्पों में से चुनिए-

(क) "पेड़" का बहुवचन क्या होगा?

(i) पेड़े (ii) पेड़ें (iii) पेड़ (iv) पेड़िया

(ख) कौन सा शब्द 'बादल' का पर्यायवाची नहीं है ?

(i) वारिधि (ii) जलद (iii) नीरद (iv) मेघ

(ग) "दीनदयाल" शब्द में कौन सा समास है?

(i) तत्पुरुष (ii) द्वंद्व (iii) बहुव्रीहि (iv) कर्मधारय

(घ) "सत्य" शब्द किस प्रकार की संज्ञा है?

(i) व्यक्तिवाचक (ii) जातिवाचक (iii) भाववाचक (iv) द्रव्यवाचक

(ङ) "वह पुस्तकालय में पढ़ रहा है" इस वाक्य में "पुस्तकालय में" कौन से कारक का उदाहरण है?

(i) कर्ता कारक (ii) कर्म कारक (iii) अधिकरण कारक (iv) संप्रदान कारक

(च) "खिलाड़ी" शब्द में कौन सा प्रत्यय है?

(i) आड़ी (ii) आड (iii) अड़ी (iv) ई

(ज) निम्नलिखित में से किस शब्द में "अनु" उपसर्ग का प्रयोग हुआ है?

(i) अनुकरण (ii) अनुकूल (iii) अनुवाद (iv) सभी में

(झ) "प्रत्याशी" शब्द में किस प्रत्यय का प्रयोग हुआ है?

(i) ई (ii) शी (iii) आयी (iv) आशी

(ञ) जो दूसरों के सुख में सुखी हो, उसे क्या कहते हैं?

(i) परोपकारी (ii) ईर्ष्यालु (iii) स्नेही (iv) हितैषी

संस्कृत

प्रश्न 1. एकपदेन उत्तरत।

(क) प्राणिनां मध्ये कः श्रेष्ठः अस्ति?

(ख) जीवितुं का आवश्यकी विद्यते?

(ग) व्यायामस्य कति भेदाः सन्ति?

(घ) व्यायामेन कस्य शुद्धिः भवति ?

(ङ) छात्रजीवने किम् आवश्यकम् अस्ति ?

प्रश्न 2. संस्कृतभाषायाम् अनुवादं कुरुत।

(क) हम खाना खाकर विद्यालय जाएँगे।

(ख) मैं खेलकर पढ़ता हूँ।

(ग) वे सब मंदिर जाएँ।

(घ) तुम दोनों जाओ।

(ङ) जीवन में व्यायाम परमावश्यक है।

प्रश्न3. निम्न संस्कृत संख्यावाचक शब्दाः लिखत।

(क) 31

(ख) 36

(ग) 45

(घ) 40

(ङ) 50

प्रश्न4. नदी शब्द रूप लिखत।

प्रश्न 5. गम् धातु रूप लिखत। (लट् / लृट् लकार में)

MATHEMATICS

Q 1) What is the absolute value of -65 ?

a 65

b 5

c 50

d none of these

Q 2) $146 + (-232) = \underline{\hspace{2cm}} - 232$

a 132

b -132

c 146

d none of these

Q 3) Find the value of y:

$$4y = 20$$

a -3

b 6

c 5

d none of these

Q 4) Which number is greater (-82) or (-91) ?

a -82

b -91

c both are equal

d none of these

Q 5) Find the value of $(-15) \times (-10) + (-3)$.

Q 6) The product of two integers is -200. If one of them is 20, find the other integer.

Q 7) Find the mode and median of the data: 13, 18, 11, 14, 19, 11, 14, 13, 14

Q 8) Raju's father's age is 5 years more than three times Raju's age. Find

Raju's age, if his father is 44 years old.

Q 9) A bag contains 4 red balls, 8 blue balls and 3 yellow balls. Find the probability of drawing:

a. yellow ball

b. blue ball

c. not a red ball

Q 10) Find the following :

a) coefficient of x: $15xz + 4.9$

b) coefficient of z: $34 - 12xyz$

c) coefficient of y: $13xyz - 19$

SCIENCE

1. What are the layers of forest show with the help of diagram.
2. Draw a clinical thermometer and Indicate the normal human body temperature?
3. X and Y are the two types of organism which are found in the forest. X eats up dead animals while Y breaks down the body of the dead animals into simpler substances.
 - a. What is the general name of organism X.
 - b. Write one example of X.
 - c. Write one example of Y and state the type of organism it is?
 - d. What is the importance of the process of breakdown done by Y?

4. Name two electric devices for each where (i) the heating effect of current is used and (ii) the magnetic effect of current is used.

5. What are the filaments of a bulb and a heater made up of? Why?

6. Saba made an electromagnet by winding 40 turns of wire over an iron screw. Mehul also made an electromagnet by winding 200 turns over a similar iron screw. Which electromagnet will attract more pins? Give reason.

7. With the help of example explain food chain

8. Draw the symbol of-Bulb, Switch off, Resistance, Variable resistance, Ammeter

9. A laboratory thermometer A is kept 7 cm away on the side of the flame while a similar thermometer B is kept 7 cm above the flame of a candle as shown in the figure below. Which of the thermometers A or B will show a greater rise in temperature? Give reason for your answer.



10. What will happen if a food chain is disturbed?

Social Science

A. Fill in the blanks.

1. _____ was the founder of the Slave Dynasty.
2. Muhammad bin Tughlaq shifted his capital from Delhi to _____ .
3. _____ ruled the Sultanate after the Tughlaq Dynasty.
4. The last ruler of the Lodi Dynasty was defeated by _____ in the First Battle of Panipat in 1526 CE.
5. _____ lost his father at an early age and became the ruler of Farghana.
6. The _____ was the head of the military department in Mughal Empire.

B. Guess the names of these people with the help of the clues given.

1. I introduced the practice of sijdah and paibos. _____
2. I started the practice of chehra and dagh. _____
3. I started token currency. _____

C. Match column A with column B.

Column A	Column B
1. Sher Shah Suri	a) author of Akbarnama
2. Shah Jahan	b) spent time in exile
3. Abu Fazl	c) Farid
4. Humayun	d) defeated Ibrahim Lodi
5. Babur	e) Khurram

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

1. Ibrahim Lodi invited Babur to overthrow Daulat Khan.
2. The Battle of Kanauj in 1540 CE replaced the Mughal rule with the Afghan rule.
3. During floods and famines, peasants were exempted from paying taxes.
4. The new Mughal capital Fatehpur Sikri was established by Jahangir.
5. The city of Devagiri was named Tughlaqabad.
6. Alauddin Khilji was the nephew of Jalaluddin Khilji, the founder of the Khilji Dynasty.

ARTIFICIAL INTELLIGENCE

Section A: Multiple Choice Questions

1. Which AI domain deals with large amounts of structured and unstructured data?
 - a) Big Data
 - b) Computer Vision
 - c) Natural Language Processing
 - d) Robotics
2. What is the primary application of Computer Vision?
 - a) Image recognition
 - b) Speech recognition
 - c) Human-like language understanding
 - d) Data analysis
3. Which NLP technique is used for language translation?
 - a) Machine Learning
 - b) Deep Learning
 - c) Text Processing
 - d) Sentiment Analysis
4. What is the goal of Big Data analytics?
 - a) To develop self-aware AI
 - b) To understand human thoughts and emotions
 - c) To extract insights from large datasets
 - d) To recognize images
5. Which CV application is used in self-driving cars?
 - a) Object detection
 - b) Image classification
 - c) Segmentation
 - d) Image generation
6. What is the primary challenge in NLP?
 - a) Handling large datasets
 - b) Understanding human language
 - c) Recognizing images
 - d) Developing self-aware AI
7. Which Big Data tool is used for data processing?
 - a) Hadoop
 - b) Spark
 - c) TensorFlow
 - d) PyTorch
8. What is the difference between Computer Vision and Image Processing?
 - a) CV focuses on image recognition, while IP focuses on image enhancement
 - b) CV focuses on image enhancement, while IP focuses on image recognition
 - c) CV focuses on image analysis, while IP focuses on image manipulation
 - d) CV focuses on image manipulation, while IP focuses on image analysis
9. Which NLP technique is used for sentiment analysis?
 - a) Machine Learning
 - b) Deep Learning
 - c) Text Processing
 - d) Natural Language Generation
10. What is the primary application of Big Data in healthcare?
 - a) Predictive analytics
 - b) Image recognition
 - c) Language translation
 - d) Sentiment analysis

Section B: Short Answer Questions

1. What is Big Data, and how is it used in AI?
2. What is Computer Vision, and what are its applications?
3. What is Natural Language Processing, and what are its challenges?
4. How is Big Data analytics used in business decision-making?
5. What is the difference between machine learning and deep learning in NLP?

INFORMATION TECHNOLOGY

1. What does HTML stand for?
 - a) HyperText Markup Language
 - b) HyperText Making Language
 - c) HyperText Managing Language
 - d) HyperText Mastering Language
2. What is the purpose of HTML?
 - a) To create a website's design
 - b) To write a website's content
 - c) To add images to a website
 - d) To create a website's structure
3. What is the basic structure of an HTML document?

- a) Head, Body, Title
c) Title, Head, Body
4. What is the HTML tag for a heading?
a) <p>
c)
5. What is the HTML tag for a paragraph?
a) <h1>
c)
6. How do you insert an image in HTML?
a)
c) <picture src="image.jpg">
7. What is the HTML tag for a hyperlink?
a) <a>
c) <href>
8. What does the HTML attribute "href" stand for?
a) Hyperlink Reference
c) Hyperlink Route
9. How do you make text bold in HTML?
a) text
c) <u>text</u>
9. What is the HTML tag for a list?
a)
c)
10. How do you insert a line break in HTML?
a)

c) <line>
- Q11. What is HTML?
Q12. What is the basic structure of an HTML document?
Q13. How do you insert an image in HTML?
Q14. How do you make text bold in HTML?
Q15. What is the HTML tag for a list?
- b) Head, Title, Body
d) Body, Head, Title
- b) <h1>
d) <a>
- b) <p>
d) <a>
- b) <image src="image.jpg">
d) <photo src="image.jpg">
- b) <link>
d) <url>
- b) Hyperlink Resource
d) Hyperlink Record
- b) <i>text</i>
d) text
- b)
d) <dl>
- b) <lb>
d) <break>