



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

ENGLISH

1. Answer the following questions briefly.

- a) Who was Drona and what did he become?
- b) Name Drona's friend and describe about him.
- c) How did Drona and Drupada become friends?
- d) What did Drona promise Drona?
- e) Why did Drupda insult his friend?
- f) Who helped Drona to take his revenge and how?

2. Match the following.

Column A	Column B
1. Drona	a. arrogant King
2. Yudhishtira	b. great Master
3. Dropda	c. Offered to teach the use of weapons
4. Parasurama	d. A very poor person
5. pauper	e. Promised a good meal

3. Fill in the blanks on the bases of 'The Story of Equals' take hint from the meanings given beside sentences.

- a) Drona and Drupada grew up in a _____ and became very close friends. [a place where a hermit or sage lives]
- b) Drona was turned out of the palace with _____ in his heart. [a lot anger]
- c) Drona became _____ master of the military art. [unmatched]
- d) Drona _____ that he would be treated generously. [making assumptions]
- e) The master sent forth Arjuna to _____ Drupda and bring him alive. [get hold of]

4. Complete the sentences given below with the suitable determiners given in brackets.

- a) Meg used ___ sketch pens to complete her project. (this/these)
- b) I had ___ rice today. (enough/all)
- c) ___ picture was painted by Picasso. (that/those)
- d) The book belongs to ____. (her/hers)
- e) Can you give me ___ notebook? (the/an)

- f) Sam stood ____ in the class. (first/one)
g) Mave is ____ honest man. (a/an)
h) ____ students were called to the principal's office. (any/some)
i) Do you know ____ scarf this is? (whose/their)
j) ____ Qutub Minar belongs to the Sultanate Period in India. (an/the)
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हिंदी

प्रश्न 1. निम्नलिखित प्रश्नों के उत्तर लिखिए-

- (क) नारी का वर्णन करते समय कवि किस प्रकार उसके अभिनंदन की बात करता है?
(ख) कवि के अनुसार यदि नारी के जीवन का चित्रांकन किया जाए तो वह कैसा होगा?
(ग) कविता 'नारी! तुम केवल श्रद्धा हो' में मकरंद शब्द से क्या अभिप्राय है?
(घ) रमजान के कितने दिनों बाद ईद आई थी?
(ङ) नमाज पढ़ते समय ईदगाह का दृश्य कैसा दिखाई देता था?
(च) पाठ में किसको देव तुल्य बताया गया है?
(छ) 'अतिथि देवो भवः' पाठ के रचयिता कौन हैं?
(ज) दानी सेठ ने अपना और अपनी पत्नी का पेट भरने के लिए क्या करना आरंभ किया?
(झ) छात्र आश्रम में कौन-कौन से कार्य करते थे?
(ञ) प्राचीन काल में शिक्षा प्राप्त करने के लिए क्या होते थे?
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संस्कृत

प्रश्न – 1 अधोलिखितं गद्यांशं पठित्वा प्रदत्तान् प्रश्नान् उत्तरत ।

नगरस्य पूर्वभागे एकम् उद्यानम् अस्ति। उद्याने विविधाः वृक्षाः, पादपाः, लताः च सन्ति। वृक्षाः मधुराणि फलानि यच्छन्ति। इमे आम्रवृक्षाः सन्ति। आम्रवृक्षे पिकः तिष्ठति। पिकः मधुरं गायति। पादपेषु लतासु च पुष्पाणि विकसन्ति। पुष्पेषु सुगन्धिः भवति। अतः पुष्पेषु भ्रमराः तिष्ठन्ति, पुष्पाणां रसं पिबन्ति, मधुरेण स्वरेण च गुञ्जन्ति।

(क) उपर्युक्त गद्यांशस्य उचितं शीर्षकं लिखत?

(ख) नगरस्यपूर्व भागे किम् अस्ति?

(ग) सुगन्धिः केषु भवति?

(घ) पिकः कुत्र तिष्ठति?

(ङ) पुष्पेषु के तिष्ठन्ति?

प्रश्न – 2 भू धातु रूप लट् लकारस्य लिखत ।

प्रश्न – 3 शब्दार्थाः लिखत ।

(क) शृणुमः (ख) बीजम् (ग) छायायाम्

(घ) वसुधायाम् (ङ) विविधाः

प्रश्न – 4 निम्नलिखितानां संख्यानां संस्कृत भाषायां लिखत ।

(क) 20 - (ख) 16 - (ग) 9 - (घ) 13 - (ङ) 10 - (च) 14 -

प्रश्न – 5 पञ्च शाकानि नामानि लिखत।

Mathematics

Q1) $\frac{1}{5}$ of a number is 3000. Find the number.

Q2) $56.09 \times 10 =$ _____

Q3) What is the reciprocal of: a) 5 b) $\frac{3}{5}$

Q4) $\frac{4}{25} \times \frac{50}{8} =$ _____

Q5) $\frac{18}{72} \cdot \frac{36}{108} =$ _____

Q6) $7.005 \times 100 =$ _____

Q7) $1.1 \times 0.1 \times 0.01 =$ _____

Q8) $3.45 \div 25 =$ _____

Q9) $48.75 \div 100 =$ _____

Q10) $0.99 \div 1.1 =$ _____

Q11. The product of two decimals is 131.58. If one of them is 21.5. Find the other.

Q12. A milkman sells 42 litres of milk at rupees 25.50 per litre to a hotel. How much money will he get from them?

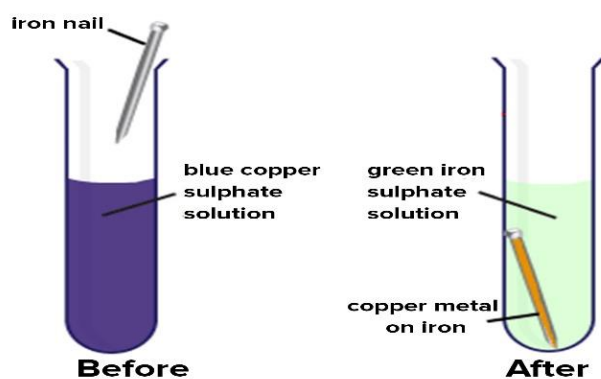
Q13. The thickness of 15 notebooks is 22.5cm. Find the thickness of one notebook.

Q14. Rohit has 50 rupees. He wants to buy chocolates from that money. If the cost of each chocolate is 7.50 rupees, how many chocolates can he buy?

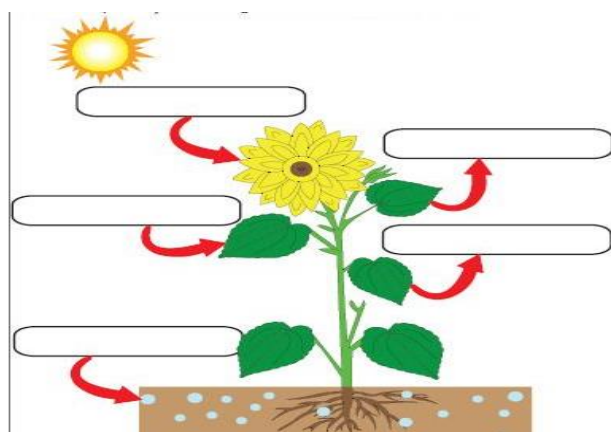
Q15. What should be added to 5.74 to get 6?

Science

1. A student collects wax from a burning candle. He melts it and then adds a new wick to it and leaves it to cool. Can a new and functional candle be created by this process? Why or why not?
2. Give two examples for each of the following cases:
 - (a) Physical changes which are reversible.
 - (b) Physical changes which are not reversible
3. Observe the given picture and answer the questions



- a) What change will you observe in the colour of the solution after dropping an iron nail into it?
 - b) Why do we observe the colour change in solution?
 - c) What causes brown deposition on iron nail?
 - d) Write the word equation involved in the above reaction.
4. Give two examples for each of the following:
 - (a) Parasites
 - (b) Autotrophs
 - (c) Saprophytes
 - (d) Insectivorous plants
 - (e) Symbiotic plants
 - (f) Leguminous plants
 5. If a pitcher plant is green and carries out photosynthesis, then why does it feed on insects?
 6. Label the following diagram



Artificial Intelligence

A. Tick (☐) the correct option.

Q1. What is the branch of computer science that focuses on developing machines which can think and work like human beings?

- a. Human Intelligence
- b. Natural Intelligence
- c. Artificial Intelligence
- d. None of these

Q2. AI can be divided into how many categories?

- a. 1
- b. 2
- c. 3
- d. 4

Q3. Which category of AI can perform dedicated tasks with intelligence?

- a. Weak AI
- b. Strong AI
- c. Super AI
- d. None of these

Q4. Which category of AI machine would be smarter than an average human being and would also understand human emotions?

- a. Weak AI
- b. Strong AI
- c. Super AI
- d. None of these

Q5. Which of the following is an example of Weak AI?

- a. Siri
- b. Chatbots
- c. IBM Watson
- d. All of these

B. Define the following.

1. Artificial Intelligence 2. Weak AI 3. Strong AI

C. Short answer type questions.

Q1. State any one difference between human and machine intelligence.

Q2. Give some examples of Weak AI.

Q3. How many categories of AI are there?

Q4. Which category of AI is capable of having human-like intelligence?

Information Technology

Number System Worksheet

Q1: Binary Number System

1. Convert the following decimal numbers to binary:

- 12
- 25
- 36

2. Convert the following binary numbers to decimal:

- 1010
- 1101
- 1001

Q2: Hexadecimal Number System

1. Convert the following decimal numbers to hexadecimal:

- 15
- 32
- 48

2. Convert the following hexadecimal numbers to decimal:

- A
- C
- F

Q3: Word Problems

1. A computer stores data in binary format. If a file requires 1024 bytes of storage, how many kilobytes (KB) is this equal to?

2. A hexadecimal code is used to represent colors on a website. If the code is #FF0000, what color does it represent?
