



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

Fill in the blanks with given suitable prepositions:

out, into, In, to, across, On, of, under ,to

1. He had the law _____ his side and the whole bus full _____ angry people _____ the harrow.
2. Two or three passengers got _____ and disappeared _____ the night.
3. That brought the driver round _____ the door.
4. There was no hope _____ that quarter.
5. He returned _____ his seat and resumed beating his arms _____ his chest.

Fill in the blanks with suitable prepositions.

1. I would like to urge _____ those who train citizens of tomorrow and to those citizens of tomorrow that we have yet to stand on our feet.
2. When we took over _____ them, the administrative fabric was _____ tatters.
3. The great university _____ life is full _____ experiences.
4. India abounds _____ the resources _____ nature and manpower.
5. This you can do only if you work _____ single-minded devotion _____ the cause _____ the country.

Change the following sentences using the correct form of active and passive verbs.

Choose the answer from the given options:

1. The mistake _____ to the students. (explained, was explained)
2. That picture _____ by my brother. (painted, was painted)
3. Boys _____ kites in the sky. (flew, was flown)
4. She _____ him two thousand rupees last year. (lent, lend)
5. I _____ my work. (have completed, completed)

Change the following sentences from active to passive voice.

1. She elected him the team lead.
2. He has ordered the Pizza.
3. She will complete her task.
4. They will have got their money till now.
5. We grow vegetables.

हिंदी

प्रश्न 1. निम्नलिखित प्रश्नों के उत्तर विकल्पों के माध्यम से चुनिए-

(i) 'तुम' किस प्रकार का सर्वनाम है?

(अ) पुरुषवाचक (ब) निश्चयवाचक (स) व्यक्तिवाचक (द) संबंधवाचक

- (ii) सर्वनाम का सही उदाहरण चुनिए:
 (अ) राम खाना खा रहा है। (ब) वह खाना खा रहा है।
 (स) खाना स्वादिष्ट है। (द) छात्र खाना खाएगा।
- (iii) निम्नलिखित में से कौन-सा शब्द 'विशेषण' है?
 (अ) दौड़ना (ब) सुन्दर (स) किताब (द) जल्दी
- (iv) 'लाल फूल' में 'लाल' कौन-सा विशेषण है?
 (अ) गुणवाचक विशेषण (ब) परिमाणवाचक विशेषण
 (स) संख्यावाचक विशेषण (द) संबंधवाचक विशेषण
- (v) 'क्रिया' का अर्थ क्या है?
 (अ) जो काम का नाम बताए (ब) जो किसी कार्य, अवस्था या घटना को व्यक्त करे
 (स) जो संज्ञा की विशेषता बताए (द) जो वाक्य को जोड़ने का कार्य करे
- (vi) 'वह स्कूल गया।' वाक्य में 'गया' कौन-सी क्रिया है?
 (अ) सहायक क्रिया (ब) भाववाचक क्रिया (स) अकर्मक क्रिया (द) सकर्मक क्रिया
- (vii) 'वह खाना खा चुका है।' यह कौन-सा काल है?
 (अ) सामान्य वर्तमान काल (ब) वर्तमान पूर्ण काल
 (स) भूत पूर्ण काल (द) भविष्य पूर्ण काल
- (viii) 'बच्चे खेल रहे थे।' यह कौन-सा काल है?
 (अ) भूत अपूर्ण काल (ब) वर्तमान अपूर्ण काल
 (स) भविष्य अपूर्ण काल (द) सामान्य भूतकाल
- (ix) 'पढ़ाई छात्र के द्वारा की जा रही है।' यह कौन-सा वाच्य है?
 (अ) कर्तृ वाच्य (ब) कर्म वाच्य (स) भाव वाच्य (द) इनमें से कोई नहीं
- (x) 'राम ने खाना खाया।' यह कौन-सा वाच्य है?
 (अ) कर्तृ वाच्य (ब) कर्म वाच्य (स) भाव वाच्य (द) इनमें से कोई नहीं
- (xi) 'मोहन ने गाना गाया।' वाक्य को कर्म वाच्य में बदलें।
 (अ) गाना गाया गया। (ब) गाना मोहन द्वारा गाया गया।
 (स) मोहन ने गाना गाया। (द) गाना गाया जा रहा है।
- (xii) 'रमा से पढ़ा नहीं जाता।'
 (अ) कर्तृ वाच्य (ब) कर्म वाच्य (स) भाव वाच्य (द) इनमें से कोई नहीं

संस्कृत

प्रश्न 1. अधोलिखितम् गद्यांशं पठित्वा एतदाधारित प्रश्नानाम् उत्तराणि लिखत-

भारतस्य उत्तरस्यां दिशि हिमालयः पर्वतः अस्ति। सः भारतस्य मुकुटमणिः इव शोभते। सः शत्रुभ्यः अस्मान् रक्षति। अस्य दक्षिणपूर्व-दिशयोः समुद्रौ स्तः। सागरः भारतमातुः चरणौ प्रक्षालयति इव।

अस्माकं देशे अनेके पर्वताः सन्ति। अत्र अनेकाः नद्यः प्रवहन्ति। नद्यः पानाय जलं यच्छन्ति। ताः नद्यः देशे शस्यम् अपि सिञ्चन्ति। एवं ताः अस्माकम् उदरपूरणीय अन्नं जलं च यच्छन्ति।

(क) उपर्युक्त गद्यांशस्य उचितं शीर्षकं लिखत?

(ख) हिमालयः केभ्यः अस्मान् रक्षति?

(ग) देशे शस्य काः सिञ्चन्ति?

(घ) हिमालयः भारतस्य कस्यां दिशि वर्तते?

प्रश्न 2 निम्न संस्कृत संख्यावाचक शब्दाः लिखत I

(क) 53

(ख) 57

(ग) 61

(घ) 64

(ङ) 70

प्रश्न 3 रमा शब्द रूप लिखत ।

प्रश्न 4. पञ्च शरीरस्य अङ्गानि नामानि लिखत।

प्रश्न 5. दिवसाः नामानि लिखत।

Mathematics

Ch -9 (Rational number)

Q1) Express $-\frac{4}{5}$ as a rational number with denominator 25.

Q2) Arrange the following rational number in ascending order.

$\frac{2}{3}, -\frac{7}{8}, \frac{5}{12}, \frac{5}{6}$

Q3) Find five rational number between $-\frac{3}{8}$ and $-\frac{2}{3}$.

Q4) What should be subtracted from $\frac{5}{7}$ to get, $\frac{11}{14}$?

Q5) The sum of two rational numbers is $-\frac{3}{8}$. If one of them is $\frac{3}{16}$ find the other.

Ch -11 (Perimeter and area)

Q1) The side of a rectangular park are in the ratio of 4:3. If it's area is 1728 sq m, then find it's perimeter.

Q2) The base of a parallelogram is twice it's height. If it's area is 512 sq cm, find the base and height of the parallelogram.

Q3) Find the height of a right angled triangle whose area is 65 sq cm and base is, 13 cm.

Q4) The radius of a circular pipe is 4cm. What length of a tape is required to wrap once around the pipe.

Q5) Which has greater area and by how much? A square of perimeter 44 cm or a circle with circumference 44 cm.

Science

Q. 1. The correct way of making a solution of acid in water is to

- (a) Add water to acid
- (b) Add acid to water
- (c) Mix acid and water simultaneously
- (d) Add water to acid in a shallow container

Q. 2. Products of a neutralization reaction are always:

- (a) An acid and a base
- (b) An acid and a salt
- (c) A salt and water
- (d) A salt and a base

- 2. Orange juice turns blue litmus red.
- 3. Copper does not react with tamarind (imli) water.
- 4. Alum (phitkari) acts as an antacid.

Q. 5. Fill in the blanks:

- i. A solution of ammonium chloride turns blue litmus
- ii. A solution of sodium acetate turns red Blue
- iii. Ammonium chloride is an example of
- iv. $\text{Acid} + \text{Metal} \rightarrow \text{Salt} + \dots\dots\dots$
- v. An acid and a base react together forming a new compound, known as

Q. 3. Match the following:

Column A	Column B
(a) Vinegar	(i) changes red litmus blue
(b) Sodium chloride	(ii) is sour to taste
(c) Milk of magnesia	(iii) major salt of sea
(d) Potassium nitrate	(iv) used in fertilizer industry

Q. 4. Choose the true and false statements from the following:

- 1. Ammonia, dissolved in water, shows acidic properties.

Social Science

A. Fill in the blanks.

1. _____ was the famous queen of Gonds.
2. The caravan of the Banjaras was called _____ .
3. _____ is also known Ionosphere.
4. _____ is the layer of atmosphere ideal for aviation.
5. _____ layer contains Ozone gas.

B. Give answer in one word.

1. Name the imaginary place mentioned in the book written by Begum Rokeya.- _____
2. One of the biggest social evil. _____
3. The gas which protects us from ultra-violet radiations from the Sun. _____
4. Layer of atmosphere where life exists. _____
5. Instrument used to measure atmospheric pressure.- _____
6. Meteorites gets burn in this layer of atmosphere.- _____

C. Match column A with column B.

Column A

Column B

- | | |
|-----------------|--------------------|
| 1. Konda | a) Sultana's Dream |
| 2. Durgavati | b) Aviation |
| 3. Paiks | c) Gond |
| 4. Stratosphere | d) Ahoms |
| 5. Begum Rokeya | e) Hills |

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

1. Weather can change at any moment. .
2. The Banjaras were the most colourful nomadic tribe.
3. Atmospheric pressure is the same everywhere.
4. The Troposphere is the layer where life exists.

5. The uppermost layer of the mesosphere is called the mesopause.

Artificial Intelligence

Section A: Multiple Choice Questions

1. What is a smart home device?

- a) A device that can think
- b) A device that can learn
- c) A device that can be controlled remotely
- d) A device that can fly

2. Which of the following is NOT a smart home device?

- a) Smart TV
- b) Smart Thermostat
- c) Smart Phone
- d) Smart Door Lock

3. What is the main benefit of using smart home devices?

- a) They are expensive
- b) They are difficult to use
- c) They can make our lives more convenient
- d) They are only for rich people

4. What is the technology that allows smart devices to communicate with each other?

- a) Bluetooth
- b) Wi-Fi
- c) Internet of Things (IoT)
- d) Artificial Intelligence (AI)

5., Why is it important to keep smart devices secure?

- a) To prevent hackers from accessing our personal information
- b) To ensure that our devices work properly
- c) To save energy

d) To make our homes look modern

Section B: Short Answer Questions

1. What is the difference between a traditional home and a smart home?
2. How can smart home devices help us save energy?
3. What are some of the security concerns associated with smart home devices?
4. How can we ensure the privacy of our personal information when using smart devices?
5. What are some future possibilities of smart homes?

Information Technology

Section A: Multiple Choice Questions

1. What is the purpose of the `Obstacle Avoider` program?
 - a) To make the robot move randomly
 - b) To make the robot follow a line
 - c) To make the robot avoid obstacles
 - d) To make the robot make decisions
2. Which program uses the `RANDOM` function to make the robot move randomly?
 - a) Obstacle Avoider
 - b) Random Movement
 - c) Line Follower
 - d) Decision Making
3. What is the purpose of the `Line Follower` program?
 - a) To make the robot move randomly
 - b) To make the robot avoid obstacles
 - c) To make the robot follow a line
 - d) To make the robot make decisions
4. Which program uses conditional statements (`IF-THEN`) to make decisions?
 - a) Obstacle Avoider
 - b) Random Movement
 - c) Line Follower
 - d) Decision Making

5. What is the purpose of the `Decision Making` program?

- a) To make the robot move randomly
- b) To make the robot avoid obstacles
- c) To make the robot follow a line
- d) To make the robot make decisions based on conditions

Section B: Short Answer Questions

1. How do you make a robot wait for 2 seconds in RobotBasic?
2. What operator is used for equality comparison in RobotBasic?
3. What is the purpose of using conditional statements (`IF-THEN`) in the `Decision Making` program?
4. Write a RobotBasic command to move a robot forward by 5 steps.
5. Write a RobotBasic command to turn a robot left by 90 degrees.