

NAV JEEWAN MODEL SCHOOL

SUMMER VACATION

**“Enjoying every second under the
blue sky and bright sun”**



Holidays are time when you can connect with your child in many ways. As parents are the first and the most important teacher for a child, we can encourage our child to participate in many educational activities at home and promote his/her quest to learn. Working together will not only help your child to build, learn and develop his/her skills but also strengthen your bond with him/her.

GENERAL INSTRUCTIONS

Instructions for students

Try to do your vacation work by yourself. ☞ Use separate Note book for each subject.

Writing should be very good and neat.

Do all work under the guidance of your parents and guardians ☞ Do all work with date & day.

Try to do your written work regularly to enhance your writing power.

Pay special attention towards your health and caring.

Don't Play in the sunshine or on hot places. ☞ Try to Pray God Daily.

Instructions for Parents

Holiday homework has to be done under the parental guidance.

Kindly complete and send the homework in a paper bag on the first day after the summer break.

Make your ward read resource books.

Make your ward learn and remember his/her parents mobile /landline number, house address etc, to make him/her independent and secure.

Do not miss to take your child , outdoors in the evening.

Do any creative act, which you are good at with your ward and send it to school after vacations. Fix up a time table for your ward to organize his/her daily routine like, watching television, playing with friends, studying etc.

Make your child responsible by assigning some of the household responsibilities to him/her like, watering plants, arranging the dining table, organizing his/her room and cupboards, fill the empty water bottles and put them in refrigerator. Above mentioned guidelines will help your child to become a smart and an active learner.

SOCIAL SCIENCE

*Complete your s.st notebook.

* Revise Unit Test syllabus .

* Practice map at home .

- ✓ Read the 'Drain of Wealth' written by Dadabhai Naoroji and write its summary in your words.
- ✓ Make a chart to show how 'WAR' led to depletion of Natural Resources and our environment.
- ✓ Prepare a report on WAR EFFECT on the country's Economy.(Consider distruction of property, resources spent on weapons and trade disruption)
- ✓ Make a poster/collage illustrating the 5 principles of PANCHSHEEL and how they help maintain peace.

Assertion and Reasoning Worksheet

Chapters: Resources, Role of the Constitution, Need for Laws

Instructions: For each question, choose the correct option:

- A. Both Assertion (A) and Reason (R) are true and R is the correct explanation of A
- B. Both A and R are true but R is not the correct explanation of A
- C. A is true but R is false
- D. A is false but R is true

1. Assertion (A): Water is considered a renewable resource.

Reason (R): Renewable resources are those which get exhausted after one use.

2. Assertion (A): The Indian Constitution defines the rights and duties of citizens.

Reason (R): A Constitution helps in limiting the power of the government.

3. Assertion (A): Air is a ubiquitous and infinite resource.

Reason (R): Air is present everywhere and cannot be used up entirely by human activity.

4. Assertion (A): Laws are necessary for maintaining peace and order in society.

Reason (R): Laws punish only those in power to ensure justice.

5. Assertion (A): The Constitution is a living document.

Reason (R): It can be amended to suit the changing needs of society.

6. Assertion (A): Human resources are more important than natural resources.

Reason (R): Human beings can make the best use of natural resources through skill and technology.

7. Assertion (A): Laws reflect the will of the people in a democracy.

Reason (R): In democratic societies, laws are made by unelected leaders.

8. Assertion (A): Some laws become outdated over time.

Reason (R): Society evolves and old laws may not be relevant to new issues.

Multiple Assessment Worksheet

Topic: Establishment of British Power in India

Class Level: Middle/High School Social Science

Section A: Multiple Choice Questions (1 mark each)

1. The Battle of Plassey was fought in the year:

- A. 1757
- B. 1764
- C. 1857
- D. 1799

2. Who was the Nawab of Bengal during the Battle of Plassey?

- A. Mir Jafar
- B. Siraj-ud-Daulah
- C. Tipu Sultan
- D. Mir Qasim

3. The Dual Government system in Bengal was introduced by:

- A. Lord Cornwallis
- B. Lord Wellesley
- C. Robert Clive
- D. Warren Hastings

4. The British East India Company got Diwani rights of Bengal, Bihar, and Orissa in:

- A. 1765
- B. 1772
- C. 1784
- D. 1793

Section B: Assertion and Reasoning (2 marks each)

Choose the correct option:

- A. Both A and R are true and R is the correct explanation of A
- B. Both A and R are true but R is not the correct explanation of A
- C. A is true but R is false
- D. A is false but R is true

5. Assertion (A): The Battle of Buxar was more decisive than the Battle of Plassey.

Reason (R): The Battle of Buxar brought the East India Company absolute political control over Bengal.

6. Assertion (A): The Doctrine of Lapse was introduced by Lord Dalhousie.

Reason (R): The doctrine allowed rulers with male heirs to choose their successors.

Section C: Match the Following (1 mark each)

7. Column A

Column B

- | | |
|------------------------|--------------------------------------|
| a) Battle of Plassey | i) 1764 |
| b) Battle of Buxar | ii) 1757 |
| c) Warren Hastings | iii) First Governor-General of India |
| d) Treaty of Allahabad | iv) 1765 |

Section D: Fill in the Blanks (1 mark each)

8. The British defeated _____ in the Battle of Buxar.

9. The _____ was formed in England to trade with India.

10. The Doctrine of Lapse led to the annexation of _____ in 1853.

Section E: Short Answer Questions (2–3 marks each)

11. What were the main causes of the Battle of Plassey?

12. Explain the impact of the Battle of Buxar on British control in India.

13. What was the Doctrine of Lapse? Give one example of a state annexed using this policy.

Part A: Fill in the Blanks

Complete the sentences with the correct word.

1. 1. Natural resources that can be replaced are called _____ resources.
2. 2. Coal, oil, and natural gas are examples of _____ resources.
3. 3. The three main types of resources are natural, human, and _____.
4. 4. _____ resources come from the Earth and are used by people.
5. 5. A person's skills and labor used in producing goods and services are called _____ resources.

Part B: Multiple Choice

Choose the correct answer.

6. 6. Which of the following is a renewable resource?
 - A) Coal
 - B) Oil
 - C) Solar energy
 - D) Natural gas
7. 7. What type of resource is a teacher?
 - A) Human
 - B) Natural
 - C) Capital
 - D) Renewable

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8. 8. Which is an example of a capital resource?
- A) Water
 - B) Factory
 - C) Tree
 - D) Farmer
9. 9. Resources that cannot be replaced once used are called:
- A) Renewable
 - B) Human
 - C) Capital
 - D) Non-renewable
10. 10. What is the main source of solar energy?
- A) Wind
 - B) Sun
 - C) Coal
 - D) Plants

Read the following case and answer the questions:

Case: The Battle of Plassey (1757)

The Battle of Plassey was a turning point in British colonial expansion. Robert Clive led British forces to defeat the Nawab of Bengal, Siraj-ud-Daulah, with the help of Mir Jafar, a betrayed ally of the Nawab.

- a. Why was Bengal a strategic region for the British?
- b. How did British tactics in the battle reflect their broader strategy for power?

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One-Word Questions Worksheet: Constitution of India

1. What is the supreme law of India?
2. What do we call the introduction to the Constitution?
3. What is the minimum age to vote in India?
4. Who is known as the Father of the Indian Constitution?
5. Which body makes laws in India?
6. What is the term of the Lok Sabha?
7. What is the head of the Indian Republic called?
8. How many fundamental rights are there in the Constitution?
9. What do we call the upper house of Parliament?
10. What is the lower house of Parliament called?
11. What type of government does India have?
12. Which part of the Constitution deals with Fundamental Rights?
13. What ensures equality before law?
14. What is the guardian of the Constitution?
15. Which date is celebrated as Constitution Day?
16. What do we call the power to strike down unconstitutional laws?
17. What kind of justice does the Preamble promise?
18. Which amendment added the words 'Secular' and 'Socialist' to the Preamble?
19. What is the total number of Schedules in the Constitution?
20. What do we call a change to the Constitution?

SCIENCE

Learn chapter 1 and 4 for U.T

Complete your notebook and practical file

- PROJECT WORK-1

Preparing Herbarium Specimen of a Crop Plant

Herbarium is a collection of dried plants with flowers mounted on a thick sheet of white paper for Botanical Study.

Collect a flowering shoot from the desired plant and place it in a fold of a sheet of newspaper. Care must be taken that all its leaves and flowers should be properly spread so that all the parts of the flower are completely visible. Place it under some weight (may be under a pile of books) for a few days till it gets dried. Change the newspaper sheet from time to time so that it does not get infected with pests or due to humidity. Transfer and fix the dry specimen on a white card sheet of 28 cm × 23 cm size with the help of a cello-tape. Only one specimen per sheet is mounted. Record following details on the side of the specimen:

1. Common name of the plant:
2. Scientific name of the plant:
3. Plant family to which it belongs:
4. Place from where the plant is collected:
5. Date of collection:
6. Any other information about the plant:
7. Collected by:



Herbarium sheet

- PROJECT WORK-2

- The world produces enough food for everyone, still there is prevalent hunger in the world. According to the UN, in the year 2016 about 815 million people out of 7.6 billion population of the world suffered from undernourishment due to food shortage. Discuss the reason behind this and what are the preventive measure that should be taken by the government as well as us.

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• PROJECT WORK-3

Syed collected the data on the number of fire equipment in his office building. Given below are the details of his data:

Floor	No. of cabins	Occupancy	No. of fire extinguishers	Fire alarms	Smoke detector	Fire escape	Monthly Fire safety drills
1.	6	18	2	4	0	Yes	No one from this floor participates
2.	6	12	6	4	3	Yes	3 people participate
3.	5	10	1	0	0	No	1 person participates

What does the data suggest about the fire safety in Syed's office? Discuss each floor's fire safety readiness with your peer.

• PROJECT WORK-4

1. Look at this picture given below and answer the following questions.

- Why is there fire at the top of the water?
 - Will the burning of this fire stop on its own, considering there is no further source of fire present? Why or why not?
 - According to a research, 'any kind of disruption of the flame spreading process will further lead to greater proportion of burn residue remaining after combustion'. How?
2. Nisha lives in Kashmir. During the month of December, the weather is extreme cold with snowfall in some parts. Nisha often burns coal in her room with windows closed to keep the room warm. Is she doing the right thing? Why or why not?



CASE STUDY

Hiroshima and Nagasaki – A Human Tragedy

In August 1945, during the final days of World War II, the United States dropped atomic bombs on two Japanese cities—Hiroshima (August 6) and Nagasaki (August 9). These bombings resulted in the deaths of over 200,000 people, most of them civilians, and left lasting damage through radiation, illness, and psychological trauma. Many survivors, known as hibakusha, suffered for years from the effects of the blast, including injuries, cancer, and social rejection.

The bombings led to Japan's surrender and the end of World War II, but they also raised deep moral and emotional questions. The power of nuclear weapons shocked the world and began a global conversation about the ethics of war and the future of humanity.

Questions

- Do you believe it is ever justifiable to use weapons that kill large numbers of civilians? Why or why not?
- How might the survivors of Hiroshima and Nagasaki feel about the decisions made by world leaders during the war?
- What responsibilities do modern nations have when it comes to preventing nuclear war today?
- How do events like Hiroshima and Nagasaki help us understand the true cost of war?
- If you had lived in Hiroshima or Nagasaki in 1945, how do you think the experience would have changed your views on peace and war?

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Crop Production and Management

Multiple Choice Questions (MCQs)

1. What is the primary purpose of crop rotation?
 - A) To increase soil erosion
 - B) To improve soil fertility
 - C) To reduce crop yield
 - D) To increase pest infestation

2. Which of the following is a type of irrigation method?
 - A) Crop rotation
 - B) Mulching
 - C) Drip irrigation
 - D) Harvesting

3. What is the benefit of using organic manure in crop production?
 - A) Increased chemical use
 - B) Improved soil fertility
 - C) Reduced crop yield
 - D) Increased pest infestation

4. Which crop is commonly used as a rotation crop to improve soil fertility?
 - A) Wheat
 - B) Rice
 - C) Legumes
 - D) Maize

5. What is the purpose of mulching in crop production?

- A) To increase soil temperature
- B) To reduce soil moisture
- C) To retain soil moisture
- D) To increase pest infestation

6. Which of the following is a type of crop that requires less water?

- A) Rice
- B) Wheat
- C) Drought-resistant crops
- D) Maize

7. What is the benefit of using drip irrigation in crop production?

- A) Increased water waste
- B) Reduced water usage
- C) Increased soil erosion
- D) Reduced crop yield

8. Which of the following is a type of pest control method?

- A) Crop rotation
- B) Mulching
- C) Biological control
- D) Chemical control

9. What is the purpose of harvesting crops at the right time?

- A) To reduce crop yield
- B) To increase crop yield
- C) To improve crop quality
- D) To reduce labor costs

10. Which of the following is a benefit of crop production?

- A) Increased greenhouse gas emissions
- B) Improved food security
- C) Reduced soil fertility
- D) Increased pest infestation

Fill-in-the-Blank Questions

1. Crop rotation helps to improve _____ fertility.
2. _____ is a type of irrigation method that delivers water directly to the roots of the plants.
3. Organic manure is used to improve _____ fertility.
4. Legumes are commonly used as a rotation crop to improve _____ fertility.
5. Mulching helps to retain _____ in the soil.
6. Drip irrigation is a type of _____ irrigation method.
7. Crop production requires careful _____ management.
8. _____ is a type of pest control method that uses natural predators or parasites.
9. Harvesting crops at the right time helps to improve _____ quality.
10. Crop production is essential for _____ security.

Short Answer Questions

1. What is crop rotation?
2. What are the benefits of using organic manure in crop production?
3. What is mulching?
4. What is drip irrigation?
5. What are the benefits of crop production?
6. What is pest control?
7. What is harvesting?
8. What are the different types of crops?
9. What is soil fertility?

10. What is irrigation?

One-Word Questions

1. What type of crop is commonly used as a rotation crop to improve soil fertility?
2. What is the primary purpose of mulching in crop production?
3. What type of irrigation method delivers water directly to the roots of the plants?
4. What is the benefit of using organic manure in crop production?
5. What type of crop requires less water?
6. What is the purpose of harvesting crops at the right time?
7. What is the benefit of crop rotation?
8. What type of pest control method uses natural predators or parasites?
9. What is the importance of crop production?
10. What is the role of irrigation in crop production?

Very Short Questions

1. What is crop production?
2. What is soil fertility?
3. What is irrigation?
4. What is pest control?
5. What is harvesting?
6. What are the benefits of crop rotation?
7. What is mulching?
8. What is drip irrigation?
9. What are the different types of crops?
10. What is the importance of crop production?

Combustion and Flame

Multiple Choice Questions (MCQs)

1. What is the process of burning fuel in the presence of oxygen called?
A) Combustion
B) Respiration
C) Photosynthesis
D) Decomposition

2. Which of the following is a type of flame?

- A) Luminous
- B) Non-luminous
- C) Both A and B
- D) Neither A nor B

3. What is the purpose of a fire extinguisher?

- A) To spread the fire
- B) To put out the fire
- C) To reduce the temperature
- D) To increase the oxygen supply

4. Which of the following materials is a good fuel?

- A) Wood
- B) Coal
- C) LPG
- D) All of the above

5. What is the zone of complete combustion called?

- A) Inner zone
- B) Middle zone
- C) Outer zone
- D) None of the above

6. Which of the following is a characteristic of a good fuel?

- A) High calorific value
- B) Low calorific value
- C) High ignition temperature
- D) Low ignition temperature

7. What is the purpose of a fire blanket?

- A) To put out fires
- B) To smother fires
- C) To reduce heat
- D) To increase oxygen supply

8. Which of the following is a type of fire extinguisher?

- A) Water-based
- B) Foam-based
- C) Dry chemical-based
- D) All of the above

9. What is the importance of fire safety?

- A) To prevent fires
- B) To put out fires
- C) To reduce damage
- D) All of the above

10. Which of the following is a consequence of incomplete combustion?

- A) Production of carbon dioxide
- B) Production of carbon monoxide
- C) Production of oxygen
- D) Production of water

Fill-in-the-Blank Questions

1. The process of burning fuel in the presence of oxygen is called _____.
2. A _____ flame is produced when there is sufficient oxygen supply.
3. Fire extinguishers are used to _____ fires.
4. A good fuel should have a _____ calorific value.

5. The zone of complete combustion is called the _____ zone.
6. Incomplete combustion produces _____.
7. Fire safety is important to prevent _____.
8. A fire blanket is used to _____ fires.
9. LPG is a type of _____ fuel.
10. Combustion requires _____ to sustain the process.

Short Answer Questions

1. What is combustion?
2. What are the different types of flames?
3. What is the purpose of a fire extinguisher?
4. What are the characteristics of a good fuel?
5. What is the importance of fire safety?
6. What are the consequences of incomplete combustion?
7. How can fires be prevented?
8. What are the different types of fire extinguishers?
9. What is the role of oxygen in combustion?
10. What are the safety measures to prevent fires?

One-Word Questions

1. What is the process of burning fuel in the presence of oxygen called?
2. What type of flame is produced when there is sufficient oxygen supply?
3. What is the purpose of a fire extinguisher?
4. What type of fuel is commonly used in vehicles?
5. What is the zone of complete combustion called?
6. What is the consequence of incomplete combustion?
7. What is the purpose of a fire blanket?
8. What type of fire extinguisher is used for electrical fires?
9. What is the importance of fire safety?

10. What is the role of oxygen in combustion?

Very Short Questions

1. What is combustion?
2. What is a flame?
3. What is fire safety?
4. What are the consequences of incomplete combustion?
5. What is the purpose of a fire extinguisher?
6. What are the different types of flames?
7. What is the importance of fire safety?
8. What are the safety measures to prevent fires?
9. What is the role of oxygen in combustion?
10. What is the consequence of incomplete combustion?

Microorganisms: Friend and Foe

Multiple Choice Questions (MCQs)

1. What is the role of yeast in fermentation?
 - A) To produce oxygen
 - B) To produce carbon dioxide
 - C) To produce alcohol
 - D) To produce water
2. Which microorganism is used in the production of curd?
 - A) Lactobacillus
 - B) Yeast
 - C) E. coli
 - D) Bacillus
3. What is the primary function of microorganisms in decomposition?
 - A) To produce toxins

- B) To break down organic matter
- C) To produce antibiotics
- D) To fix nitrogen

4. Which disease is caused by the microorganism Plasmodium?

- A) Tuberculosis
- B) Malaria
- C) Influenza
- D) HIV/AIDS

5. What is the benefit of using microorganisms in food production?

- A) Increased toxicity
- B) Improved nutrition
- C) Reduced shelf life
- D) Increased cost

6. Which microorganism is used in the production of antibiotics?

- A) Penicillium
- B) Yeast
- C) Lactobacillus
- D) E. coli

7. What is the role of microorganisms in nitrogen fixation?

- A) To convert nitrogen into oxygen
- B) To convert atmospheric nitrogen into a usable form
- C) To convert nitrogen into carbon dioxide
- D) To convert nitrogen into water

8. Which microorganism is used in the production of vaccines?

- A) Virus
- B) Bacteria
- C) Fungi
- D) Protozoa

9. What is the primary function of microorganisms in environmental cleanup?

- A) To produce toxins
- B) To break down pollutants
- C) To produce antibiotics
- D) To fix nitrogen

10. Which disease is caused by the microorganism *Mycobacterium tuberculosis*?

- A) Malaria
- B) Tuberculosis
- C) Influenza
- D) HIV/AIDS

Fill-in-the-Blank Questions

1. Microorganisms that cause disease are called _____.
2. Yeast is used in the production of _____.
3. _____ is a type of microorganism that is commonly used in food production.
4. Microorganisms play an important role in _____ fixation.
5. _____ is a disease caused by the microorganism *Plasmodium*.
6. Microorganisms are used in the production of _____.
7. _____ is a type of microorganism that is commonly used in environmental cleanup.
8. Microorganisms can be used to produce _____.
9. _____ is a disease caused by the microorganism *Mycobacterium tuberculosis*.
10. Microorganisms are essential for _____ processes.

Short Answer Questions

1. What is the role of yeast in fermentation?
2. What are the benefits of using microorganisms in food production?
3. What is the primary function of microorganisms in decomposition?
4. What is the role of microorganisms in nitrogen fixation?
5. What are the different types of microorganisms?
6. What is the importance of microorganisms in environmental cleanup?
7. What are the benefits of using microorganisms in medicine?
8. What are the risks associated with microorganisms?
9. How can microorganisms be used to improve human health?
10. What is the role of microorganisms in agriculture?

One-Word Questions

1. What type of microorganism is used in bread production?
2. What is the primary function of microorganisms in decomposition?
3. What type of microorganism causes malaria?
4. What is the benefit of using microorganisms in food production?
5. What type of microorganism is used in vaccine production?
6. What is the role of microorganisms in environmental cleanup?
7. What type of microorganism is used in antibiotic production?
8. What is the primary function of microorganisms in nitrogen fixation?
9. What type of microorganism is used in curd production?
10. What is the risk associated with microorganisms?

Very Short Questions

1. What is fermentation?
2. What is the role of microorganisms in food production?
3. What is decomposition?
4. What is nitrogen fixation?

5. What are microorganisms?
6. What are the benefits of microorganisms?
7. What are the risks associated with microorganisms?
8. How can microorganisms be used to improve human health?
9. What is the role of microorganisms in agriculture?
10. What is the importance of microorganisms?

HINDI

प्रश्न 1) पुस्तक के सामग्री हमारे सैनिकों ने जो साहस, बलिदान और देशभक्ति दिखाई, उससे हमें क्या सीखने का मिलता है? अपने विचार लगभग लिखिए।

प्रश्न 2) प्रेम व्यक्तित्व पर अनुच्छेद लिखिए।
 1) डॉ. ए. पी. जे. अब्दुल कलाम या रानी लक्ष्मीबाई।

प्रश्न 3) किसी एक हिंदी फिल्म का नाम लिखिए, जो आपने देखी हो।
 फिल्म की कहानी का सारांश 8-10 पंक्तियों में लिखिए। फिल्म से मिली शिक्षा भी लिखिए।

प्रश्न 4) पौष्टिकी और समाज विषय पर अनुच्छेद लिखिए।

प्रश्न 5) हिंदी समाचार पत्र की कठिनी दुर्घटना के किसी दिन का हिंदी अखबार लेकर 3 खबरें काटकर चिपकाओ और हर खबर का उचितता में सारांश लिखें।

प्रश्न 6) हिंदी में एक मनी रॉमिक स्टोरी बनाइए तथा 6-8 चित्र बनाकर एक सार्थक कहानी तैयार करें।
 हर चित्र के नीचे 2-3 पंक्तियों में हिंदी संवाद लिखें।

प्रश्न 7) दिए गए प्रश्नों के सही उत्तर लिखिए:-
 1) 'दिन' शब्द किस शोध का है?
 1) तदर्थ
 2) तत्सम

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- (3) देशज
(4) विदेशी

(2) 'आग' शब्द किस स्त्रोत का है?

- 1) तत्सम
2) लघुमय
3) देशज
4) विदेशी

3 'गखिउसी' शब्द किस स्त्रोत का है?

- 1) तत्सम
2) लघुमय
3) देशज
4) विदेशी

4 'पुस्तकालय' शब्द किस रचना का उदाहरण है?

- 1) भौगिक शब्द
2) कूट शब्द
3) उपसंग्रहित शब्द
4) पुन्यमय शब्द

5 'मिठाई' शब्द किस रचना का है?

- 1) भौगिक शब्द
2) पुन्यमय शब्द
3) तत्सम शब्द
4) देशज शब्द

6 'जल और पानी' आपस में सौन-से शब्द है?

- 1) विलोम शब्द
2) पर्यायवाची शब्द
3) अनेकार्थी

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7) 'धन' शब्द का विलोम क्या है?

1. पैसा
2. गरीब
3. दरिद्रता
4. संपत्ति

8) एक उर्ध्व सूचने वाले शब्द को क्या कहते हैं?

1. अनुसंधान
2. पञ्चभुक्त
3. वसुधैव
4. तत्सम

9) जो शब्द अपने रूप बदलते हैं, उन्हें क्या कहते हैं?

1. विकारी शब्द
2. अविकारी शब्द
3. देशज शब्द
4. भौतिक शब्द

10) निम्न में से कौन-सा अविकारी शब्द है?

1. रमा
2. राम
3. सुंदर
4. पढ़ना

SANSKRIT

Sanskrit Holidays Homework
class VIII

Date :

1. 1 से 50 तक गिनती संस्कृत में लिखो ।
2. पेज नं० - 17 पर बाल प्रतिज्ञा याद करो ।
3. निम्न वर्ग पहेली में कुछ प्रत्यययुक्त शब्द छिपे हुए हैं, उ-ह ढूँढकर लिखिए पेज नं० - 21.
4. पाठ - 1, 2, 3, याद करो और लिखो
5. मम परिचय पर पाँच वाक्य लिखो
(प्रश्न - 1, 3, 4, 5, Holidays Homework notebook में करो)

MATHS

Q1. Do chapter exercise and multiple choice questions of ch3 and 4 in your holiday homework notebook.

Q2. Activity based on roll no.

Task 1: Utilize your understanding of three-dimensional shapes to craft four open cuboid or cube storage boxes of varying sizes from recycled materials that can help organize items. Construct these boxes using newspaper transforming it into practical storage solution. Decorate your creations with recycled materials like pencil shavings, old buttons, fabric scraps, pistachio shells etc. Use these boxes to organize items such as stationery or jewellery. Calculate how much material can be stored in the boxes that you have created (Volume).

(Rollno:-1 to 10)

Task 2: Prepare a MATHEMATICAL MAGAZINE on A3 size coloured sheet, total pages 4 and give suitable and creative title to the magazine.

Magazine columns should cover different aspects of mathematics including:

Riddles and puzzles

Geometrical signs

Mental ability corner

Mathematics in day to day life.

Article/poem/rhymes/story related to Mathematics.

(Rollno:-11 to 20)

Task 3 :-How many family members of you have? Write their names,their relation with you and their

ages.Also, find their mean and median ages.

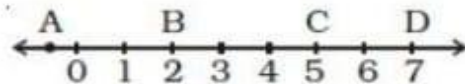
(Rollno:-21 onwards)

NAVJEEWAN MODE SCHOOL

Vishnu Garden

Q3. Do these worksheet in your holiday homework notebook

1. 196 is the square of
(a) 11 (b) 12 (c) 14 (d) 16 ...
2. Which of the following is a square of an even number?
(a) 144 (b) 169 (c) 441 (d) 625
3. A number ending in 9 will have the units place of its square as
(a) 3 (b) 9 (c) 1 (d) 6
4. Which of the following will have 4 at the units place?
(a) 14^2 (b) 62^2 (c) 27^2 (d) 35^2
5. How many natural numbers lie between 5^2 and 6^2 ?
(a) 9 (b) 10 (c) 11 (d) 12
6. Which of the following cannot be a perfect square?
(a) 841 (b) 529 (c) 198
(d) All of the above
7. The one's digit of the cube of 23 is
(a) 6 (b) 7 (c) 3 (d) 9
8. A square board has an area of 144 square units. How long is each side of the board?
(a) 11 units (b) 12 units (c) 13 units (d) 14 units
9. Which letter best represents the location of $\sqrt{25}$ on a number line?
(a) A (b) B (c) C (d) D



10. If one member of a pythagorean triplet is $2m$, then the other two members are
(a) m, m^2+1
(b) m^2+1, m^2-1
(c) m^2, m^2-1
(d) $m^2, m+1$

1. Which of the following is a perfect cube.
(A) 100 (B) 68600 (C) 343000 (D) 400
2. What is smallest number by which 392 must be multiplied so that the product is a perfect cube.
(A) 7 (B) 2 (C) 5 (D) 3
3. Find the cube of 18.
4. Find the one's digit of the cube of each of the following
(a) 1024 (b) 77
5. Find the cube root of 512.
6. Evaluate $(0.8)^3$
7. Cube of 6 is
(A) 36 (B) 216 (C) 96 (D) 26
8. 2^3 can be written as sum of consecutive odd numbers as
(A) $3 + 5$ (B) $1 + 3 + 3 + 1$ (C) $1 + 5 + 3$ (D) $4 + 3 + 1$
9. Prime factors of 216 are:
10. The cube of every even number is
(A) Odd (B) Even (C) Neither odd nor even (D) Both
11. Which one of the following is the cube of an odd number.
(A) 64 (B) 343 (C) 8000 (D) 1728
12. The cube of a number is that number raise to the power.
(A) 6 (B) 2 (C) 3 (D) 1
13. The cube root of a number 'x' is the number whose cube is:
(A) 1 (B) x (C) 0 (D) None
14. In the prime factorization of any number each factor appears three times, then the number is a:
(A) Perfect cube (B) Even (C) Odd (D) None
15. A perfect cube number does not end with ----- zeros.
(A) Two (B) Three (C) Six (D) Nine
16. 6^3 is expressed as the sum of consecutive odd numbers as:
(A) $23 + 25 + 27 + 29 + 31$ (B) $31 + 33 + 35 + 37 + 39 + 41$
(C) $13 + 15 + 17 + 19 + 21 + 23$ (D) $21 + 23 + 25 + 27 + 29$
17. The cube of 149 one's digit is:
(A) 2 (B) 9 (C) 3 (D) 1
18. Which of the following is a perfect cube:
(A) 400 (B) 8000 (C) 10000 (D) 100

NAV JEEWAN MODEL SCHOOL

The table below shows the **fuel remaining** (in litres) in the space shuttle of *Mission Sindoor* at different time intervals during the first phase of its mission.

Time (in minutes)	Fuel Remaining (litres)
0	1000
5	850
10	700
15	600
20	400
25	300
30	300

- Draw A Line Graph

Answer the following questions based on your line graph:

- ✓ How much fuel was consumed in the first 10 minutes?
- ✓ During which 5-minute interval was the fuel consumption highest?
- ✓ Was there any time period when fuel consumption stopped? Explain.
- ✓ What was the average rate of fuel consumption during the first 20 minutes?
- ✓ If the fuel continues to be consumed at the same rate as between 10 to 20 minutes, how much fuel would be left at 35 minutes?

ENGLISH

1. Writing Skills: Essay Writing:

Write any two essays (300–350 words each) from the following topics in your notebook :

- (a) Peace and Justice
- (b) Role of women in Indian Army
- (c) Nuclear weapons: A threat to humanity
- (d) Atomic bombs vs Nuclear bombs

Letter Writing:

Write one formal and one informal letter in your notebook:

- (a) Formal: Write to the Municipal Corporation complaining about the poor condition of roads in your area.
- (b) Informal: Write to your cousin describing your plans for the summer vacation.

➤ Paste a picture of one of the following and write their bio-sketch on A-4 size sheet

- a) Col Sofia Qureshi
- b) Wing Commander Vyomika Singh

2. Reading Skills:

Read any one novel from the following list:

- (a) The Adventures of Tom Sawyer by Mark Twain
- (b) The Secret Garden by Frances Hodgson Burnett
- (c) Harry Potter and the Philosopher's Stone by J.K. Rowling

After reading, write a book review (150–200 words) including:

Title and author, Main characters, Short summary, What you liked/disliked, Your favourite scene

(Do it on A4 size sheets)

3. Creative Corner:

a) Create a questionnaire on A4 size sheet based on "Importance of Yoga". Print five copies of the questionnaire. Go around your neighbourhood and have five different people complete the questionnaire. Click pictures also. Paste the questionnaire along with pictures in your notebook.

b) Make a Time Line Tree for any of the great literary personality. From their year of birth to the different years of their work and achievement. Choose any one whom you have read. Present your work on a chart paper as a wall hanging.

Eg; Shakespeare, Rabindranath Tagore, R.K Narayan, Roald Dahl, William Wordsworth

NAV JEEWAN MODEL SCHOOL

Vishnu Garden

Identify the clauses in the given sentences and mention their type.

1. I think you made a mistake. _____
2. I do not know what he wants. _____
3. She never does anything unless her parents allow it. _____
4. They are the people who want to purchase our car. _____
5. That she did such an action amazed me. _____
6. The weather that we had this winter was horrible. _____
7. He can't come to meet us until the class is over. _____
8. Saurabh follows balanced diet in order to stay healthy. _____
9. I cannot abuse you for you are my best friend. _____
10. I wonder whether it's a good idea. _____

Identify the kinds of sentences. Also put correct punctuation marks at the correct place.

1. Do you know where Peter lives
2. Please shut the windows and doors
3. The Earth revolves around the sun
4. Are you eyeing the first rank in the engineering exam
5. Don't pluck flowers as they enhance the beauty of nature
6. May this country be prosperous
7. The program was stated to begin at 6:30 pm
8. Drink eight glasses of water daily, as it is very conducive to health
9. Wow that was amazing
10. He plays soccer every weekend

NAV JEEWAN MODE SCHOOL

Vishnu Garden

Change the tense of the sentences as directed to do:

1. I was asked to hand over my project before the deadline. (Present perfect continuous tense)
2. Arun will learn to play the drum. (Present continuous tense)
3. I made pudding for dessert. (Present perfect tense)
4. We worked on the presentation till 1 am. (Present perfect continuous tense)
5. The staff opened the museum doors. (Simple Present tense)
6. The parents were seated for the function. (Present perfect tense)
7. The chief guest had addressed the nation. (Present continuous tense)
8. I will doubt the truth of this statement. (Present perfect continuous tense)
9. She looked for her spectacles everywhere. (Present continuous tense)
10. The band will play all the old songs. (Present perfect tense)

Answers:-

NAV JEEWAN MODE SCHOOL

Vishnu Garden

Choose the correct option (MCQ) to complete the sentence.

1. the basement flooded, we spent all day cleaning up.
(a) After (b) Before
(c) Although (d) Even if
2. I don't want to go to the movies I hate smell of popcorn.
(a) although (b) whenever
(c) because (d) so that
3. I paid larry, garden design work is top notch.
(a) whenever (b) after
(c) whose (d) if
4. spring arrives, we have to be prepared for more snow.
(a) Because (b) Although
(c) Until (d) Now that
5. the alarm goes off, I hit the snooze button.
(a) As soon as (b) Before
(c) Because (d) Now that

Computer

Activity 1 :- Make a PowerPoint presentations on famous scientist in India (8- 10 slides)

- ❖ Write a short paragraph about "Database Management System "
- ❖ Do research about History of computer generations and paste their pictures on A3 size sheet
- ❖ Do solve worksheets are given below

Drawing

1. Do page number- 21 butterfly from watercolor in drawing file .
2. Make a portrait from pencil shading in drawing file from page number - 44.
3. Do any object from 53, 54, 51 or 57 in drawing file with colour.
4. Do page number- 70 activity in drawing file collage
5. Click on this link for wool craft <https://pin.it/4aXW1Wllh> (Make it on MDF Board)