LT.COL.MEHAR LITTLE ANGELS SR. SEC.SCHOOL HOLIDAY HOMEWORK 2025-26 CLASS-VIII



General Instructions:

1. Parents are requested to only guide their children while doing the assignment.

2. Originality of the work will be appreciated.

3. The Holiday work must be done in a very neat and presentable manner. Questions must be done in the given sequence.

4. The child will be assessed for Handwriting, presentation, neatness, completion of All the given questions, indexing of the work.

5. Enrich your vocabulary by learning the vocabulary words from Hindi & English Textual books.

6. Subject teachers have further imparted specific instructions for their subjects. Before attempting the question, you must read them thoroughly.

ENGLISH

1) Vocabulary enrichment is the most essential part of language learning which helps us in giving creativity to our expressions.

Make a list of 15 words which we can use instead of very- eg. Very slow- sluggish , very sorry- apologetic etc. Present your work on A-4 size sheet.

2) Revise the syllabus covered in April & May.

3) Make a time line tree for the great literary personality from their year of birth to the different year of their work and achievements. Choose any one whom you have read. Present your work on a chart paper as a wall hanging.

E.g. Shakespeare, Rabindranath Tagore, R.K.Narayan, William Wordsworth.

4) Read any of the book written by A.P.J.Abdul Kalam or Shakespeare. Write in your own words the inspiration and knowledge that you imbibed after reading these books on A-4 size sheet.

5) Complete pages 171-179 in your English Grammar book.

6) Diary Entry- Your school organized a picnic to a village near your town. Describe your experience in diary entry in Grammar Register.

<u>हिंदी</u>

(1) पाठ्यपुस्तक 'चेतना' के पाठ-1 कविता- 'वरदान' व पाठ-2 'धरातल से सर्वोच्च शिखर तक' आवधिक परीक्षा हेतु याद करें। नोट : शब्द भंडार का निम्नलिखित कार्य व्याकरण की कॉपी में करें

(1) अनेकार्थक शब्द - 1 से 27

- (2) पर्यायवाची शब्द 1 से 35
- (3) विपरीतार्थक शब्द 1 से 40
- (4) श्रुतिसम भिन्नार्थक शब्द 1 से 30
- (5) अनेक शब्दों के लिए एक शब्द 1 से 30
- (6) एकार्थी प्रतीत होने वाले शब्द 1 से 15

नोट : निम्नलिखित कार्य फ़ाइल में करें।

(1) एक लंबी कविता लिख कर याद करें। कविता स्वरचित भी हो सकती है।

- (2) कोई 2 चित्र चिपका कर चित्र वर्णन करें।
- (3) कोई एक अर्थपूर्ण चित्र चिपका कर उस पर स्वरचित कहानी लिखें।
- (4) 'पर्यावरण और स्वास्थ्य' व 'सर्व शिक्षा अभियान' पर भाषण लिखें।

व्याकरण के किसी एक विषय पर ए-3 आकार की शीट आकर्षक चार्ट बनाएँ।

<u> संस्कृतम्</u>

1 पंचश्लोकाः अर्थसहितम् लिखित्वा चित्रम् लेपयन्तु ।

2 'परिश्रमस्य फलम् 'अथवा पंचतंत्रस्य कोऽपि अन्या कथा संस्कृतेन लिखन्तु चित्रं च लेपयन्तु ।

3 निम्नलिखित शब्दरुपाणि लिखन्तु स्मरन्तु च।(एतत् ,किम् ,त्रिषु लिंगेषु) 4 धातु रूपाणि लिखन्तु स्मरन्तु च।

(लट् लृट् लोट् लङ् लकारेषु)

अस्, लिख्, पठ्,गम्,पा

MATHEMATICS

Instructions:

*Make sure your work is neat, creative, and clearly explains the mathematical concepts used.

* You may use charts, scrapbooks, PowerPoint, or A4 sheets for presentation.

- Practice chapter 1 and 2 in a separate notebook.
- Do the given worksheets on A-4 sheets and bring them in a folder.

Section A: Project Work (Choose any ONE)

1. Geometry in Architecture

Choose 3 famous monuments/buildings. Identify and explain the geometric shapes, angles, and symmetry found in them.

2. Data Handling Project

Conduct a small survey (e.g. favorite food, hobby, subject). Collect data from friends/family

and represent it using bar graphs or pie charts. Calculate mean, median, and mode.

Section B: Activities

• Draw nets of 3- D shapes (cube, cuboid, cylinder, cone, sphere) and explore their properties. Make a table showing the observations.

• The power of 10- Exploring large numbers

Research the use of powers of 10 in scientific fields, such as the measurement of size of cells, astronomical distances or internet data(bits and bytes)

Create a digital presentation that shows how exponents are used in science and technology along with examples.

Mathematics Worksheet: Laws of Exponents

Section A: Fill in the blanks

1. $a^n \times a^m =$ ______ 2. $(a^n)^m =$ ______ 3. $a^n \div a^m =$ ______ $(a \neq 0)$ 4. $a^0 =$ ______ $(a \neq 0)$ 5. $a^{-n} =$ ______ $(a \neq 0)$

Section B: Simplify the following

1. $2^3 \times 2^4$ 2. $5^6 \div 5^2$ 3. $(3^2)^3$ 4. $10^0 + 4^0$ 5. $(2^4 \times 2^{-1}) \div 2^2$ 6. $(x^5 \div x^2) \times x^{-3}$ 7. $(a^3b^4)^2$ 8. $(3^{-2}) \times (3^4)$

Section C: Word Problems

1. A bacteria doubles every hour. If there is 1 bacterium at the start, how many bacteria will be there after 8 hours? Express the answer using exponents.

2. The area of a square is given by side². If the side of a square is 10^3 cm, what is its area in exponent form?

3. A library has 2⁷ books. If each shelf holds 2³ books, how many shelves are needed? Write in exponent form and simplify.

Mathematics Worksheet: Rational Numbers

Section A: Basic Concepts

1. Define rational numbers with two examples.

2. Write any five rational numbers between -2 and 1.

3. Express the following rational numbers in standard form: (a) - 15/45 (b) 18/-36 (c) 24/60

4. Find the multiplicative inverse of: (a) -3/7 (b) 4/-9 (c) 5/1

Section B: Operations on Rational Numbers

- 1. Add: (a) 5/6 + (-7/12) (b) -4/5 + 2/3
- 2. Subtract: (a) 3/4 (-2/5) (b) -7/9 1/3
- 3. Multiply: (a) $-2/3 \times 9/4$ (b) $7/8 \times -5/6$
- 4. Divide: (a) $6/7 \div -2/3$ (b) $-3/5 \div 9/10$

Section C: Word Problems

1. Rina had 2/3 of a chocolate bar. She gave 1/4 of it to her friend. How much is left with her?

2. A piece of ribbon is 7/8 m long. How many pieces of 1/16 m length can be cut from it?

3. Rohit walks 3/4 km every day. How much distance does he walk in 10 days?

SCIENCE

The technology is spreading worldwide. So are the latest innovations in the field of robots. With the latest invention of First Humanoid Robot named <u>SOPHIA</u>, the scientists and technology have given a tough challenge to future generation.

Prepare a file giving information, pictures and various fields where **<u>SOPHIA</u>** will be helping humans with its fast and high-tech functions. (Use A4 Size sheets)

ASSIGNMENT

CHAPTER1-CROP PRODUCTION AND MANAGEMENT

Q1.Multiple Choice Questions

1. The instrument 'combine' is used for.

A. Sowing of seeds B. Harvesting the crops

C. Threshing D. Both harvesting and threshing

2. Which one of the following statements is True about the storage of produce?

i. Harvested grains have less moisture.

ii. Farmers store grains in jute bags or metallic bins.

iii. Small scale storage of grains is done in silos and granaries

iv. Specific chemical treatments are required to protect crops from pests and microorganisms.

- A. ii only B. i, ii and iv
- C. ii and iv D. iii and iv

3. ______ is the festival associated with the harvest season.

A. Dussehra B. Ganesh Chaturthi

C. Baisakhi D. Christmas

4. Rajeev is a farmer. He has ploughed the field but needs to level it. Which one of the following can he use to level the field?

- A. Leveller B. Harvester
- C. Cultivator D. Seed drill

5. Which one of the following is NOT a source of water for irrigation.

- A. Tubewells B. Dams
- C. Lakes D. Oceans

6. Which one of these crops is cultivated during the winter season.

- A. Cotton B. Linseed
- C. groundnut D. Paddy

Q2. Fill in the Blank

1. Removal of unwanted and uncultivated plants are called _____.

2. The same kind of plants cultivated at one place on large scale is called_____.

3.Is the cutting of the mature crop manually or by machines_____.4. Proper storage of grains is necessary to protect them from

-

Q3. Short Answer Question

1.Differentiate between Kharif and rabi crops.

and .

2.Identify the equipment given below and write a short note on it.



- 3. Give four examples of fertilizers.
- 4. Describe briefly animal husbandry?
- 5. What is crop rotation? Why is it important?

ASSIGNMENT

CHAPTER 2 – MICROORGANISMS – FRIEND AND FOE

- 1. Which one of the following is caused by bacteria?
- A. Cold
- B. Polio
- C. Chicken pox
- D. Tuberculosis
- 2. Which one of the following is an antibiotic?
- A. Streptomycin
- B. Tetracycline
- C. Erythromycin
- D. All of these
- 3. Bread mould is an example of

- A. Bacteria
- B. Fungi
- C. Virus
- D. Algae
- 4. Disease causing microorganisms are called
- A. Antibodies
- B. Vaccines
- C. Pathogens
- D. Carriers
- 5. is a bacterial disease in human and cattle
- A. Anthrax
- B. Foot and mouth
- C. Rust
- D. Citrus canker

Very Short Answer Questions

- 1. Name the five groups of microorganisms.
- 2. Name any two serious diseases caused by virus.
- 3. Name any two diseases caused by protozoa.
- 4. Name any two domestic uses of microorganisms.
- 5. Which bacteria promotes the formation of curd.
- 6. Name the bacteria used in making bread, pastries and cakes.
- 7. Name the commercial use of yeast.
- 8. Name the scientist who discovered penicillin.
- 9. Name any two communicable diseases.
- 10. Name any two carriers of diseases.

Short Answer Questions

- 1. Why are viruses different from other microorganisms?
- 2. Where are microorganisms found?
- 3. How do microorganisms help in agriculture?
- 4. What is fermentation?
- 5. Why is yeast used in the baking industry for making bread, cakes and pastries?
- 6. What are antibodies?
- 7. What are communicable diseases.
- 8. Name the modes of transmission of communicable disease.

9. Write any four ways in which spread of communicable diseases can be prevented.

10. How is food poisoning caused?

(NOTE – use A4 size ruled sheets) SOCIAL SCIENCE

I. Make a project on the topic "Tribals, Dikus and the Vision of a Golden age" using the following guide points:-

- (a) Tribal occupation
- (b) Tribal life under British Rule.
- (c) Tribal Revolts
- (d) Role of Birsa Munda

Project should be made in a project file. Paste pictures relevant to the topic.

OR

Study the "Revolt of 1857" and make a project. Focus should be laid upon the following;

- (a) Causes of the Revolt
- (b) Outbreak of the Revolt
- (c) Why the Revolt failed?
- (d) Result of the Revolt.

Make it in a Project file and paste Pictures relevant to the topic.

II.Make a chart on an A3 size sheet on showing different stages of the British conquest of India.

- III. Make a file and write on six Fundamental rights in a pictorial form. (Use an A-3size sheet).
- IV. Make a project file on the Resources and its types. (Use an A-4 size sheet).
- V.Learn and revise all chapters done till now.

COMPUTER

1.Learn Chapter-1 Back exercises(MCQ, Fill Ups, True/False etc.) Short Question Answers and Long Question Answers.

2. Make a Poster on A4 sheet according to your Roll No. .

- Roll no. (1-15)
- Network Topologies. • Roll no. (16-31) Fields of AI.
- Cyber Security-Protecting your • Roll No. 31 Onwards digital life

Make a PowerPoint presentation according to your Roll No. .

- Roll no. (1-15)
- Roll no. (16-31)
- Roll No. 31

Types of Network. Computer Ethics Onwards Cyber crime

GENERAL KNOWLEDGE

I.Make collage of interesting facts A-3size sheet. II.Learn and revise all chapters done till now.

SKILL EDUCATION

I. Prepare a poster on the importance of whole grains in the diet. II.Make a flyer on benefits of millets.

ART AND CRAFT

I. Make a poster on Social Awareness on A-3 or A-2 size sheet. II. Make a useful thing with the use of Waste Material.