



MGD GIRLS' SCHOOL, JAIPUR

**HOLIDAY ASSIGNMENT
CLASS-10
SESSION -2025-26**

Dear Students,

As summer break begins, take this time to relax, reflect, and recharge. Alongside rest and recreation, let this be an opportunity to grow intellectually, creatively, and personally.

Your holiday homework is designed to enrich your learning beyond the classroom. Approach it with sincerity and originality. Ensure your work is neat, well-organized, and aligns with the subject-specific guidelines.

In addition, we encourage you to:

- Read newspapers to stay informed about current affairs.**
- Improve handwriting by writing a page in English and Hindi daily.**
- Read at least two meaningful books and create a personal word journal.**
- Be proactive and responsible—support your family and community in small but meaningful ways.**

**"Let summer light your inner flame,
Seek new knowledge, rise to fame.
Pause, reflect, explore, and read—
This season, plant your learning seed."**

Wishing you a productive, joyful, and refreshing holiday!

INDEX

1. **English**
2. **Hindi**
3. **Sanskrit**
4. **French**
5. **Maths**
6. **Science**
7. **Social Studies**
8. **Data Science**
9. **Information Technology**
10. **Multi Media**
11. **Artificial Intelligence**
12. **Food Production**
13. **Introduction to Financial Marketing.**



ENGLISH



1. Please follow instructions specified with every task.
2. Research as per the instructions given. Be Creative.

AIP PROJECT: MAGAZINE ON RAJASTHAN AND NAGALAND

Rajasthan and Nagaland, though geographically distant, are rich in cultural heritage and traditional art forms. Prepare a magazine that showcases the fusion of their art forms from each state, and present how these reflect the lifestyle, beliefs, and environment of the people.

SUGGESTED FORMAT (5- 6 pages):

PAGES	ELEMENTS
1. Cover Page	Catchy title Art work: E.g.- Mandana art from Rajasthan + Naga Tribal patterns Images: Famous landmarks/Photo/Sketch
2. Feature Article	Write an article on the topic 'Unity in Diversity- A tale of Two States' in 120-150 words comparing Rajasthan and Nagaland on aspects such as geography, lifestyle, clothing and values. * Add a 'Did You Know?' box with 3-4 facts from each state.
3. Interview Corner	Create a fictional interview with: <ul style="list-style-type: none">• A Naga artisan talking about traditional crafts OR• A Rajasthani folk singer talking about their music
4. Festival Spotlight	Write a paragraph analyzing one major festival from each state. Include images, fun facts etc.
5. Local Recipes	Share one traditional dish from each state. Mention ingredients, how it's made, and cultural importance.
6. Reflection or Poem	Write a reflective paragraph about what you learned OR a poem combining elements of both cultures.

MATERIALS REQUIRED

- A SCRAPBOOK
- Sketch pens, watercolors, glue stick
- Pictures (preferably hand-drawn)
- Decorative borders (use traditional motifs)



HINDI



निर्देश :-- दिया गया कार्य पृथक फ़ाइल / फ़ोल्डर में करें सुंदर लेख लिखें।
रचनात्मकता, कलात्मकता एवं मौलिकता का ध्यान रखें।
कार्य को उत्साह एवं रुचि के साथ करें।

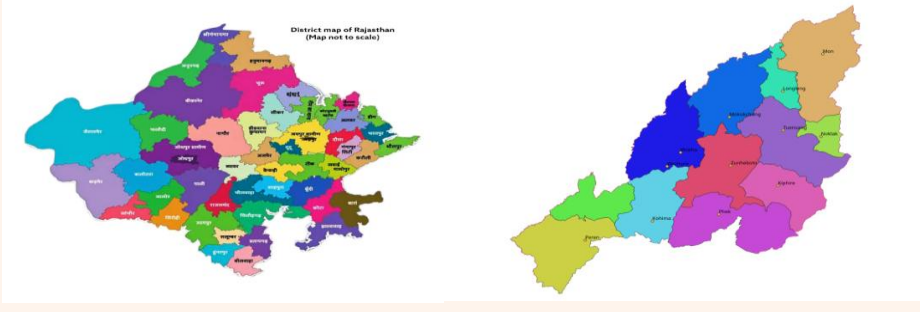
1. सूरदासकेपदोंकोपढ़करगोपियोंतथाउद्धवकेबातचीतकेअंशकोसंवादशैलीमेंकॉमिकस्ट्रिपकेरूपमेंलिखिए।
2. अपनेजीवनकेसंगतकारों (यादगारप्रेरकव्यक्तित्वों) केबारेमेंलिखिए। (लिखित+चित्रात्मक)
3. कक्षाकेस्तरकीकोईभीदोकविताएँलिखकरकंठस्थकीजिए।
4. हिन्दीभाषाकेप्रमुखकवियों,

लेखकोंकीसाहित्यिकरचनाओंकोपढ़करकिसीपात्रअथवाकिसीघटनाकाविश्लेषणकरेंऔरबताएँकिवहआपकोक्योंपसंदहै ? (विगतकक्षाओंकेपाठोंसेअलग)

5. परियोजना - कार्य

नागालैंडतथाराजस्थानकेनिम्नलिखितबिंदुओंकेआधारपरशोध - कार्यकीजिए -

- राजस्थानऔरनागालैंडकीभौगोलिकविशेषताएँ
- प्रमुखकवितथारचनाकार - उनकीप्रमुखरचनाएँ
- राजस्थानऔरनागालैंडकेप्रमुखत्यौहारतथाउनसेसंबंधितमान्यताएँऔरकथाएँ, रीतिरिवाज़
- राजस्थानऔरनागालैंडकेप्रमुखपर्यटनस्थल
- राजस्थानऔरनागालैंडकेहस्तकलाउद्योग
- राजस्थानऔरनागालैंडकेप्रमुखलोकगीज़एवंलोकनृत्य



SANSKRIT



निर्देशा: –

1. गृह-कार्यम् अभ्यासपुस्तिकायां एव कर्तव्यम् ।
2. प्रत्येकपृष्ठे भवतः नाम , कक्षा वर्ग च लेखितव्यम् ।
3. ग्रीष्मकालीन अवकाशकार्यस्य मूल्यांकनम् पोर्टफोलियो / अभ्यास पुस्तिकायां भवितव्यम् ।
4. कार्यप्रदातुं अन्तिमतिथिः 1-7-25 अस्ति ।

गृहकार्यम्

1. कला समेकित परियोजनान्तर्गत – (एक भारतः - श्रेष्ठ भारतः) अधोलिखितानां उपविषयानां शोधकार्यम् कृत्वा तथ्यानां संग्रहणं कुरुत-

मुख्यः विषयः - मनमोहकः नागालैण्डः - गर्वितः राजस्थानः

1. नागालैण्ड - राजस्थान द्वयोः राज्ययोः प्रमुखाः उत्सवाः ।
2. नागालैण्ड - राजस्थान द्वयोः राज्ययोः प्रमुखानि पर्यटनस्थलानि ।
3. नागालैण्ड - राजस्थान द्वयोः राज्ययोः कृषि व्यवस्था , प्रमुखाः उपजाः प्रमुखाः आहाराः च ।
4. नागालैण्ड - राजस्थान द्वयोः राज्ययोः पारंपरिक वेशभूषा प्रमुखाः नृत्याः च ।
5. नागालैण्ड - राजस्थान द्वयोः राज्ययोः प्रमुखाः रचनाः रचनाकाराः च ।
6. नागालैण्ड - राजस्थान द्वयोः राज्ययोः पर्यावरणस्य भिन्नता ।

2. अभ्यासकार्यस्य प्रत्येकविषयस्य 5 प्रश्नाः करणीयाः ।

(अ) अभ्यासकार्यम् - क - अपठित - अवबोधनम्

ख - पत्रलेखनम्

ग - चित्र वर्णनम्

(ब) पूर्व-पाठितं व्याकरणिक - विषयानाम अभ्यासं कुरुत ।

3. लेखनस्य स्मरणकार्यस्य च गतिविधिम् आन्तरिकमूल्याङ्कने ग्रहीष्यते ।

(अ) लेखनकार्यम् - सचित्र लघु कथा –

संस्कृत-भाषायां दश वाक्येषु एकां लघु कथां सचित्रं रचयित्वा स्व उत्तर-पुस्तिकायां लिखत ।

(ब) स्मरणकार्यम् - संस्कृतगीतम् (कस्मिन् एव विषये) स्मरत ।

अथवा

संस्कृत भाषायां ‘जन्मदिवसस्य गीतम्’ कंठस्थ कृत्वा स्व उत्तर-पुस्तिकायां लिखत

4. स्व दिनचर्या चार्ट पत्रे संस्कृतेन प्रदर्शयत ।



FRENCH

Instructions:-

- All answers to be given in instructed areas.
- Maintain neatness, creativity, and originality in your work.
- Submission on the first day of reopening of the school after summer break.

1. **A Cultural Project** ; Choose any one French speaking country(Except France)
Create a fact file (5 to 10 lines in French + pictures)

Include: Capital, flag, traditional food, famous monument, one French phrase used locally.

2. **Chanson française: (French Song)**

Choose any French song

Write 5 new vocabulary words from the lyrics.

Translate them to English.

Write 3 lines you like and explain them in your own words (In English or in French)

3. To solve grammatical exercises based on Future Anterieur and Relative pronoun compose from
Textbook Bilan.

4. To learn and write conjugations of any 20 verbs in all tenses done in class 9.

5. **Le Jeu de Role : Role Play**

At a French Cafe / Shopping at a market

Choose a scenario and write a short dialogue in French about 5-7 lines. You can act it out or record a video.



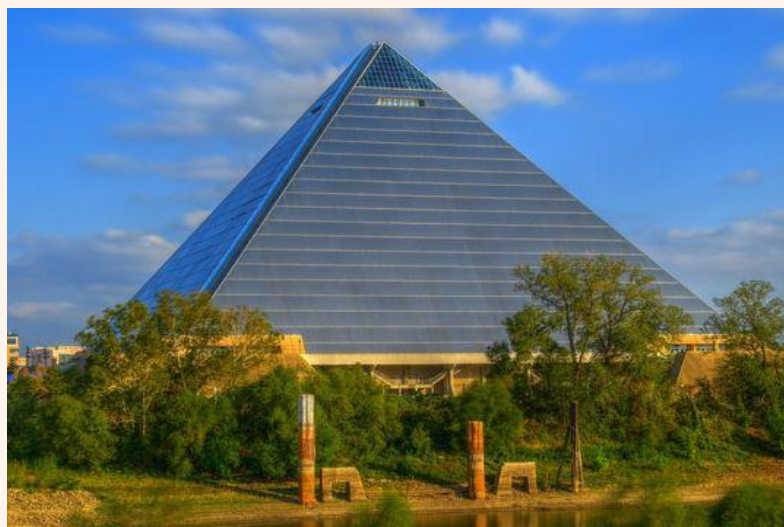
ENJOY LEARNING

MATHEMATICS

GENERAL INSTRUCTIONS:

- 1) Do all the questions in A4 Sheets or coloured sheets. Place them in a folder. These can be used as Multiple Assessment/Portfolio.
- 2) Please revise all the work done till now.

ACTIVITY-1: Draw cube, cuboid, prism, pyramid on a graph paper to give them a 3-D view. Also Write coordinates of all vertices of the above figures. Show your creativity by drawing different art forms in the 3D shapes drawn by you.



2. MATCH THE COLUMN:

I

(1) $2a+3b = 40$, $6a + 5b = 10$	(A) Coincident lines
(2) $2y + 3z = 40$, $6y + 9z = 50$	(B) Intersecting lines
(3) $2a+3b=10$, $4a+6b=20$	(C) Parallel lines

II

(1) $2x+5y=10$, $3x+4y=7$	(A) Unique solution
(2) $2x+5y=10$, $6x+15y=20$	(B) Infinitely many solutions
(3) $5x+2y=10$, $10x+4y=20$	(C) No solutions

III

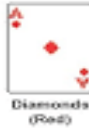
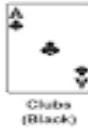
(1) $2x+5y=7$, $3x+4y=7$	(A) Inconsistent pair of equations
(2) $2x+5y=7$, $4x+10y=7$	(B) Consistent pair of equations
(3) $2x+5y=7$, $4x+10y=14$	(C) Dependent consistent pair of equations

ACTIVITY-3:

Playing Cards and Probability



A pack of 52 playing cards is made up of 4 suits:



Clubs
(Black)

Diamonds
(Red)

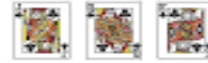
Spades
(Black)

Hearts
(Red)

Each suit contains 9 number cards:



Each suit also contains
3 royal cards:



The final card in
each suit is the ace:



One card is selected at random from a well shuffled pack of cards:

What is the probability of getting...	Probability	Simplest form
a red card		
hearts		
spades		
diamonds		
a six		
an eight		
a queen		
a prime club		
a prime card		
a square number		
a jack of clubs		
a red queen		
a black king		
a red royal card		
a six or a seven		
clubs or a royal card		

What is the probability of getting...	Probability	Simplest form
3 of diamonds		
ace of spades		
royal card		
ten of hearts		
a black three		
an odd card		
an even red card		
a red or a 2		
a king or a queen		
hearts or an ace		
What is the probability of NOT getting...	Probability	Simplest form
a four		
a jack		
a prime		
a royal card		

4. Complete worksheets given from Chapter 1 to 4.

5. Do research work for art integrated project under *Ek Bharat, Shrestha Bharat* paired states Rajasthan & Nagaland.

SCIENCE

PORTFOLIO WORK –

A-Student will make science Portfolio during summer break. Portfolio must have

- Cover page
- Index
- Mind maps based on – Life processes, Control, and coordination, our environment and how do organism reproduce?
- Read the above-mentioned chapters pick a topic of your choice from each chapter and draw mind map based on those topics.
- Make your Mind Maps informative, creative, and artistic.
- Draw a poster based on any one of the topics- Ozone depletion, Global warming, Biomagnification, proper garbage disposal.
- Note- Portfolio work to be done in file and submitted when school reopens

B- CHOOSE ANY ONE OPTION GIVEN BELOW

Option A: Create a comic strip or storyboard (4–6 frames) explaining Ohm's Law in a real-life situation. **(On A3 sheet)**

Option B: Design an infographic on how to save electricity at home using the knowledge of resistance and power. **(On A3 Sheet)**

RESEARCH & REFLECTION

To be done in Physics notebook

Write a one-page report (100–150 words) on:

“The importance of using electrical appliances with star ratings.”

OR

“The role of resistance in designing household circuits.”

C- Do the following worksheet neatly in chemistry note book-

Multiple Choice Questions

1. Which of the following is an example of a displacement reaction?

- a) $\text{NaOH} + \text{HCl} \rightarrow \text{NaCl} + \text{H}_2\text{O}$
- b) $\text{Zn} + \text{H}_2\text{SO}_4 \rightarrow \text{ZnSO}_4 + \text{H}_2$
- c) $\text{CaCO}_3 \rightarrow \text{CaO} + \text{CO}_2$
- d) $2\text{H}_2 + \text{O}_2 \rightarrow 2\text{H}_2\text{O}$

2. Which among the following statements is true about a chemical reaction?

- a) Energy is always absorbed.
- b) Only color change takes place.
- c) There is formation of a new substance.
- d) It does not involve rearrangement of atoms.

Assertion and Reason Questions:

Direction: For questions 3 & 4, 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.

3. **Assertion (A):** Copper does not displace zinc from zinc sulphate solution.

Reason (R): Copper is less reactive than zinc.

4. **Assertion (A):** Respiration is considered an exothermic reaction.

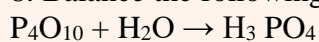
Reason (R): It releases energy in the form of heat.

5. Write the balanced chemical equation for the reaction between lead nitrate and potassium iodide. Name the type of reaction.

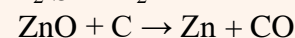
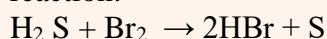
6. What is meant by a precipitation reaction? Explain with a suitable example.

7. What change in colour is observed when white silver chloride is left exposed to sunlight? Name the type of chemical reaction involved.

8. Balance the following chemical equation and identify the type of reaction:



9. What is a redox reaction? Identify the oxidizing and reducing agents in the following reaction:



SOCIAL SCIENCE

The below mentioned assignments are a part of social science Internal Assessment. Each assignment is of 5 marks. Timely completion and submission of the projects is mandatory for awarding marks.

Assignment 1 Inter Disciplinary Project

For inter disciplinary project students to be divided into groups (by subject teacher) where they have to work individually on preparation of slides on the given topic to each.

Topics are as follows:

1. Trace the history of globalization and point out the shifts within the process.
2. Analyse the implication of globalization on local economies.
3. Examines the importance of transportation for the economic growth and development in India.
4. Analyse the impact of roadways and railways on the national economy. Evaluates the challenges faced by the roadways and railway sector in the country.
5. Discuss how globalization is experienced differently by different social groups.
6. Connect the role of means of transport and communication in the process of globalization.
7. Investigate the factors that facilitated the growth on MNC 's

Each group will have to prepare the presentation with 5-6 slides in which compiler have to incorporate learning objective and learning outcome of the ppt.

Students should incorporate the following aspects in the project eg. -

1. Research work (interview)
2. Role play
3. Story based presentation
4. Art integration – collage, poster

5. Interactive bulletin board
6. Concept map
7. Gallery work
8. Integration of technology

Assignment 2 – Subject Enrichment Activity

Individual projects to be prepared by each student on any one of the following topics (topic to be allotted by the concerned subject teacher)–

1. Consumer Rights- type of rights enjoyed by consumers
2. Consumer redressal process
3. Consumer awareness –
 - I. food items
 - II. electronics
 - III. jewelry
4. Consumer awareness through interviews and case study
5. Narmada Bachao andolan and Tehri dam andolan
6. Swachh Bharat Abhiyan
7. Chipko movement
8. Environment movement- Rajendra Singh Waterman of India and Tiloniya village
9. SDG 1, 2
10. SDG 3
11. SDG 4
12. SDG 5
13. SDG 6
14. SDG 7
15. SDG 8
16. SDG 9
17. SDG 10
18. SDG 11
19. SDG 12
20. SDG 13
21. SDG 14
22. SDG 15
23. SDG 16
24. SDG 17

Compulsory content to be included in the project are:

1. Content /index
2. Learning objective
3. Introduction to the topic
4. Case study (if any)
5. Conclusion – innovative ideas generated in the process
6. Bibliography
7. Questionnaire

DATA SCIENCE

Q 1. Task:

Create a collage or infographic (digitally) showing different methods of communication.

- ◆ Include: Verbal, Non-verbal, Written, Visual, and Digital communication.

- ◆ Use cut-outs, drawings, or digital icons for visual appeal.

Q 2. Task:

Make the following creatives using CANVA.

CLASS X-A

- 1) International Yoga Day (21st June)
- 2) World Population Day (11 July)
- 3) Kargil Vijay Diwas (26 July)

CLASS X-B

- 1) School Birthday (12 August)
- 2) International Youth Day (12 August)
- 3) Independence Day (15 August)

CLASS X-C

- 1) Janmashtami (16 August)
- 2) Ganesh Chaturthi (27 August)
- 3) Ramdev Jayanti (2 September)

CLASS X-D

- 1) Teachers Day (5 September)
- 2) International Literacy Day (8 September)
- 3) Navratra Sthapana (22 September)

CLASS X-E

- 1) International Day of Peace (21 September)
- 2) Durga Ashtami (30 September)
- 3) International Day of Older Persons (1 October)

CLASS X-F

- 1) Gandhi Jayanti (2 October)
- 2) Vijayadashami / Dussehra (2 October)
- 3) World Food Day (16 October)

CLASS X-G

- 1) United Nations Day (24 October)
- 2) Guru Nanak Jayanti (5 November)
- 3) Children's Day (14 November)

Submission:

Print your work in color and affix it in your computer notebook.

Last date to submit the assignment:- 08/07/2025

INFORMATION TECHNOLOGY

Q 1. Task:

Create a collage or infographic (digitally) showing different methods of communication.

- ◆ Include: Verbal, Non-verbal, Written, Visual, and Digital communication.
- ◆ Use cut-outs, drawings, or digital icons for visual appeal.

Q 2. Task:

Make the following creatives using CANVA.

CLASS X-A

- 4) International Yoga Day (21st June)
- 5) World Population Day (11 July)
- 6) Kargil Vijay Diwas (26 July)

CLASS X-B

- 4) School Birthday (12 August)
- 5) International Youth Day (12 August)
- 6) Independence Day (15 August)

CLASS X-C

- 4) Janmashtami (16 August)
- 5) Ganesh Chaturthi (27 August)
- 6) Ramdev Jayanti (2 September)

CLASS X-D

- 4) Teachers Day (5 September)
- 5) International Literacy Day (8 September)
- 6) Navratra Sthapana (22 September)

CLASS X-E

- 4) International Day of Peace (21 September)
- 5) Durga Ashtami (30 September)
- 6) International Day of Older Persons (1 October)

CLASS X-F

- 4) Gandhi Jayanti (2 October)
- 5) Vijayadashami / Dussehra (2 October)
- 6) World Food Day (16 October)

CLASS X-G

- 4) United Nations Day (24 October)
- 5) Guru Nanak Jayanti (5 November)
- 6) Children's Day (14 November)

Submission:

Print your work in color and affix it in your computer notebook.

Last date to submit the assignment:- 08/07/2025

MULTI MEDIA

1. Write short notes on the following topics: -
 - a. 7Cs of communication
 - b. Importance of **feedback and its types**
2. Explain the steps to create **3D object** from polygon primitive menu set.
3. What are the barriers to **effective communication**?

4. Explain the importance of **active listening** in communication.
5. How to improve the **writing skills**?
6. What does the **hotkey F3** do in **Maya**?
7. **Draw** the window of Maya workspace and label its components in **practical file**.
8. Specify the role of **marking menus** in Maya.
9. Write the roles and responsibility of **texturing artist**.
10. Write the usage of following **menu items**: -
 - a. **Crease tool**
 - b. **Target weld Tool**
 - c. **Connect Tool**
 - d. **Extrude**
 - e. **Mapping**

ARTIFICIAL INTELLIGENCE

Q1 Perform the following activity-

- Write a conversation that you had with your younger sibling on phone teaching him/her about the steps to follow to make a paper art.
- Perform the above conversation with your sibling face to face.
- Which one do you think is effective: on telephone or face-to-face?
- Now, write this conversation on a paper and read twice
- Which one is effective: written or verbal?

Q2 What is visual communication? Make a chart of any ten traffic signals (in your practical file) for Visual communic

FOOD PRODUCTION

Do the given Home Work in practical file as explained in class:

- Write one recipe each for a protein rich, fat rich and carbohydrate rich dish.
- Create a power point presentation featuring one recipe for each of the five different methods of cooking. Also, paste miniature pictures of the slides in the file as explained.
- Create a power point presentation illustrating the various types of vegetable and fruit cuts. Also paste miniature pictures of the slides in the as explained in class.

INTRODUCTION TO FINANCIAL MARKETS

1. Cover page with name of school, year, subject
2. Student profile - name, class, roll no, name of the teacher
3. Acknowledgement
4. Certificate
5. Index
6. Content
7. Bibliography

Topics for the content are:

1. What is mutual fund?
2. Any 5 or more than 5 types of mutual funds
3. SIP's (case studies can be included)
4. NAV - net asset value along with portfolio manager.

Minimum pages - 30

All work to be done in an A-4 size fill
