Class – IX
Maths
Holiday Homework

No. of Assignments 2 and no. of activities 2.

Assignment-1 (15 sums)

Chapter 1: Number System.

Chapter 6: Lines and Angles

Assignment-2 (15 sums)

Chapter 2:

Polynomials.

Activity 1: Identity

$(a + b + c)^2 = a^2 + b^2 + c^2 + 2ab + 2bc + 2ca.$

Activity 2: CBSE Art Integrated Activity (Pairing of State)

Write down/Draw the comparison of Odisha state with Punjab on following topics in the activity:

Population, Male and Female Ratio, Literacy rate, Climate, Languages, Religion and Land Area covered by Crops. (Choose any four topics)

Note:- 1) Assignments will be done on separate notebook.
2) Activity of Polynomial will be on Lab Manual.
3) Art integrated Activity will be on activity sheets.

Revise the syllabus done in the class.

Chemistry
Holidays Homework

1. Solve the assignments of Ch1 (Matter in our Surroundings).

2. Revise the work done in the class.

Physics
Holidays Homework

1. Revise Ch:- Motion and complete your notebook.
2. Do assignment (shared on e care)of numericals in your c.w notebook only.
3. ART INTEGRATED ACTIVITY

List the various dance forms of ODISHA and select any one dance form from that list,collect or draw its pictures and identify the type of motion involved in it. you can present your activity on simple sheets .

Artificial Intelligence
Holidays Homework

1. Read and learn lesson 3 ICT Skills and solve back exercises.
2. Make a file of python by writing following programs:
   a. Introduction of Python .
   b. Write a program to print your name, school name and address.
   c. Write a program to accept three numbers from the user and display their sum and product on the screen .
   d. Write a program to print the area of a circle.
   e. Write a program to accept length and breadth of a rectangle from the user and print the area and perimeter.
   f. Write a program check whether a number is even or odd.

It is compulsory to submit file after holidays.

Information technology
Holidays Homework

1. Surf various websites on Cybersecurity and Cybersafety. Using your creativity skills, type a paragraph on the precautions you can take to protect yourself from cybercrime and perform following commands :
   a)   Find and Replace option
   b)   Cut, Copy, Paste
   c)   Change Case
   d)   Superscript and Subscript
   e)   Splitting and Merging Tables

2. Make a Collage on the various types of pointing devices.
   - Collect advertisements from magazine/ newspaper/ Internet and paste the pictures in the form of a collage on a chart paper.
   - Using your creativity skills, design a collage using any presentation software.

   <div align="center">OR</div>

   Project work on correct sitting posture while working on a computer can be showcased by the students.

3. Take the screenshot of every output, take the print out and then paste it in the folder.

   It is compulsory to submit your file after holidays.

English
Holidays Homework

1) Revise the syllabus done in class.

2) Complete Question answers of the chapters done during extra classes.

3) Do the following parts of unit 1,2 of MCB in a separate notebook .

Unit 1 pg 2,3,4, A4,A10,C2,C3,C4,C8

Unit 2 A5,C1,C9

4) Art integrated activity

Make a collage of the famous personalities of Odisha or a sketch of any one of them and also write a letter to your friend describing your trip to one of the famous destination in Odisha.

Punjabi
Holiday Homework

1 ਵਿਆਕਰਨ ਕਾਪੀ ਵਿੱਚ ਲੇਖ ਅਤੇ ਪੱਤਰ ਲਿਖੋ।

2 ਗਤੀਵਿਧੀ – ਪੰਜਾਬ ਅਤੇ ਉੜੀਸਾ ਦੇ ਕੋਈ ਦੋ ਮਹਾਨ ਕਲਾਕਾਰਾਂ, ਦੋ ਲੇਖਕਾਂ ਅਤੇ ਦੋ

   ਕਵੀਆਂ ਬਾਰੇ ਸੰਖੇਪ ਵਿੱਚ ਜਾਣਕਾਰੀ ਦਿੰਦੀਆਂ ਉਹਨਾਂ ਦੀਆਂ ਤਸਵੀਰਾਂ **A4 Sheet** 'ਤੇ

   ਲਗਾਓ।

3 ਜਮਾਤ ਵਿੱਚ ਕਰਵਾਏ ਗਏ ਕੰਮ ਦੀ ਦੁਹਰਾਈ ਕਰੋ।

Hindi
Holiday Homework

1)विज्ञापन -A4 Sheet पर बनाएँ
सुंदर वह आकर्षक विज्ञापन तैयार कीजिए-
 1)सोलर पैनल
2) परिवहन विभाग द्वारा यातायात संबंधी नियमों के प्रति जागरूक करने हेतु आकर्षक विज्ञापन तैयार कीजिए ।
Note- अपनी व्याकरण पुस्तक में लिखें।
2)अनुच्छेद -
1)धरती का बढ़ता तापमान
2)डिजिटल इंडिया
3)मजहब नहीं सिखाता ,आपस में बैर रखना
3). निम्नलिखित में से किसी एक विषय पर लगभग 100 शब्दों में पत्र लिखिए :

(1) अपने विद्यालय में आयोजित होने वाले खेल-दिवस समारोह में किसी विशिष्ट खेल में सम्मानित व्यक्ति को मुख्य अतिथि के रूप में आमंत्रित करते हुए प्रधानाचार्य की ओर से एक पत्र लिखिए।
(2) आपका नाम शोभित /शोभना है। भीषण गर्मी के कारण वैश्विक स्तर पर जंगलों में लगने वाली आग पर चिंता और उसके समाधानों पर विचार व्यक्त करते हुए किसी प्रतिष्ठित दैनिक हिंदी समाचार-पत्र के संपादक को पत्र लिखिए।

4) निम्नलिखित में से किसी एक विषय पर लगभग 60 शब्दों में सूचना लिखिए।
(क) आप दिव्य/दिव्या हैं। आप अपनी आवासीय समिति के कल्याण सचिव हैं। अपनी सोसायटी में आयोजित होने वाले सात दिवसीय योग शिविर की जानकारी देते हुए, एक सूचना लिखिए।
(ख) आप विद्यालय के विद्यार्थी परिषद् के सचिव रमेश/ छवी हैं। आर्थिक दृष्टि से कमजोर विद्यार्थियों की सहायता हेतु विद्यालय के पुस्तकालय में बुक-बैंक की स्थापना की गई है। इस विषय में सभी विद्यार्थियों को इसकी जानकारी देने हेतु एक सूचना तैयार कीजिए।
5) गिल्लू तथा स्मृति पाठ पढ़कर लगभग 150 शब्दों में सार लिखें।
Note- कक्षा में कराया गया सारा कार्य याद करें

Social Science
Holiday Homework

1. Revise all the chapters already taught in class.
2. Complete your notebook if it is pending.
3. Chapter 2. Constitutional design
4. Do the worksheets in your class work notebook.
5. Collect information about the Tsar Nicholas -2 and discuss how he was responsible for Russian Revolution.
6. Write in detail about Constitution of India.
7. Do these activities on assignment sheets and submit in a folder.
8. Prepare timeline from the chapter-Socialism and the Russian Revolution in class

work notebook.

1. Chapter Forest Society and Colonialism - Explore the impact of colonialism of

Forests and societies and write in your History notebook.

GEOGRAPHY

1. Prepare a report about the ways to protect Forests and Wildlife in India.
2. Prepare a collage depicting the devastation of life and property due to cyclones

on the Eastern Coast of India in the past 10 years.

1. Complete your map file if not submitted till now.
2. Complete your notebook and learn the chapters done so far.

ECONOMICS
COMPETENCY BASED QUESTIONS

1."Investment in human capital is the greatest investment of a nation".Explain with

example.

2. India is rich with huge human resource but their productivity is comparatively less .How human resource in India can be best and effective?

3. Study the table and answer the questions given below:

YEAR	NO. OF COLLEGES	NO.OF UNIVERSITIES	STUDENTS	TEACHERS
1950-51	750 7,346	30 177 214	2,63,000	24,000
1990-91	9.703 11,089	238	49,25,000	2,72,000
1996-97			67,55,000	3,21,000
1998-99		3.	74,17,000	3,42,000

4. (a)Is the increase in the number of colleges adequate to admit the increasing number of students?

(b)Do you think we should have more number of universities? Why?

(c)What is increase noticed among the teachers in the year 1998-99?

ACTIVITY:-Make a newsletter collecting articles from newspapers/ magazines etc on illiteracy and unemployment status in India and government initiative in solving the issues.