SHEERWOOD COLLEGE

DILDAR NAGAR, KHATI BABA, JHANSI (U.P.) – 284003

Ph. No. **- 7510090074, 8737011150** EMAIL: sheerwoodcollegejhs@yahoo.com

HOLIDAY HOMEWORK

Class- U.K.G

English	Phono Quotient- Do page no-13 and 14 Do given worksheet in 3-in-1 copy. ENGLISH Q.1- Rearrange the jumbled words. ① A P T ② N P I ③ E B E ④ A C P ⑤ W B O ⑥ B T A ⑦ G J U ⑧ P C U ⑨ L F Y ⑩ B N I # Phono Quotient - Do page no-13 and 14. # Do All Holiday Homework in 3-in-1 Copy.
Maths	Do Pages 39 to 43, 47 to 51, 57 to 61 and 65 to 69.
Science	Paste the pictures of 5 sense organs in 3-in-1 copy and name them.

| Hindi | Do given worksheet in 3-in-1 copy. |

Hindi

चित्र पहचानिए और उसके नाम का पहला अक्षर चित्र के नीचे लिखिए:

लिखकर दिखाओ-

वर्णमाला

आ   इ   उ   ऊ

ए   ऐ   औ

2. रेखा खींचकर सबको उनके घर पहुँचाओ–

1.   2.   3.   4.

(क)   (ख)   (ग)   (घ)

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HOLIDAY HOMEWORK

Class- I

Maths	Do the given Maths worksheet in your Maths copy. A. **A** How many in all? 1. $5 + 3 = 8$ 2. ☐ + ☐ = ☐ 3. ☐ + ☐ = ☐ 4. ☐ + ☐ = ☐ 5. ☐ + ☐ = ☐ B. Draw or paste the example of following shapes Triangle. Rectangle Circle Square C. **C** Fill in the boxes to write the addition facts. **6** 1. $5 + 1 = $ ☐ 2. $2 + $ ☐ $ = 6$ 3. ☐ $ + 3 = 6$ 4. $4 + 2 = $ ☐ **7** 1. ☐ $ + 1 = 7$ 2. $2 + $ ☐ $ = 7$ 3. $3 + 4 = $ ☐ 4. ☐ $ + 3 = 7$ **8** 1. ☐ $ + 1 = 8$ 2. ☐ $ + 2 = 8$ 3. $5 + $ ☐ $ = 8$ 4. $4 + 4 = $ ☐
Hindi	1- आ की मात्रा वाले पाँच फलों के नाम लिखिए व उनके चित्र बनाइए। 2- इ की मात्रा वाले पाँच शहरों के नाम लिखिए (दिए गए कार्य को हिंदी कॉपी में कीजिए) 3- Write five page writing in Hindi copy.

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EVS	Do the given worksheet in your EVS copy.

EVS WORKSHEET   Name_____
CLASS-I
Look at the pictures and identify the actions with their body parts.

ACTIONS   BODY PARTS

_____PLAY_____   _____LEGS_____

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English Literature	Do Pg -42. Do 5 pages of writing in copy.
English Grammar	Do Pg -21 Find the names of 8 nouns from this picture given. (Do all this work in your English copy)

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HOLIDAY HOMEWORK

Class- II

Maths	Do the given Maths worksheet in your Maths copy.

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Making 10 and 100

Addition facts

I. 3

Write the hidden numbers.

1. ___ $+ 7 = 10$

2. ___ $+ 1 = 10$

3. $3 +$ ___ $= 10$

4. ___ $+ 5 = 10$

5. $6 +$ ___ $= 10$

6. $2 +$ ___ $= 10$

7. ___ $+ 10 = 100$

8. ___ $+ 30 = 100$

9. $50 +$ ___ $= 100$

10. $80 +$ ___ $= 100$

11. ___ $+ 40 = 100$

12. $70 +$ ___ $= 100$

13. ___ $+ 90 = 100$

14. $0 +$ ___ $= 100$

15. ___ $+ 60 = 100$

16. ___ $+ 10 = 100$

Make pairs to 100 using 'fives',
for example 5, 15, 25, 35...
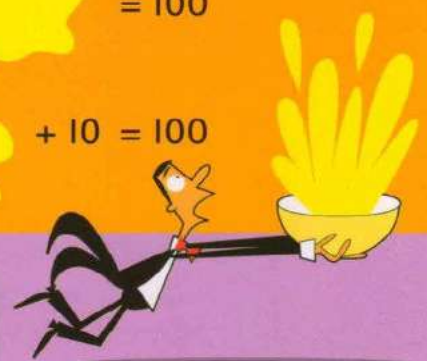
EVS	- Make your own 'Family tree' by pasting the pictures of your family members and write down whether it is a nuclear family /a joint family. - Do the given EVS worksheet in your EVS copy. (Write only answers) **WORKSHEET-I**

▶ Fill in the blanks to learn these good habits. Use the word box.

fresh	clean	nails	~~teeth~~	nose
thumb	body	eyes	healthy	soap
ears	wash	mouth	hair	face

1. Brush your ....**teeth**................ twice a day.
2. .... your hands before eating your food.
3. Do not pick your .... in front of others.
4. Keep your .... clean and well-combed.
5. Do not suck your ....
6. Wash your hands with .... after going to the toilet.
7. Cut your .... every week.
8. Do not eat with your .... open.
9. Wash your .... before going to bed.
10. Exercise keeps your .... fit.
11. Watching too much TV is bad for your ....
12. Clean your .... with cotton buds.
13. Wear .... clothes everyday.
14. .... food is good for the body.
15. Eat and drink .... food and water.

WORKSHEET-II

▶ Fill in the blanks with the help of picture clues.

eyes	skin	nose	ears	tongue

1. I listen to the birds with my ......**ears**...... .
2. I see the colours of a rainbow with my ....
3. I smell the flowers with my ....
4. I taste a chocolate cake with my ....
5. I feel the soft fur of my dog with my ....

▶ Draw the sense organs you will use for the following:

1. beautiful paintings
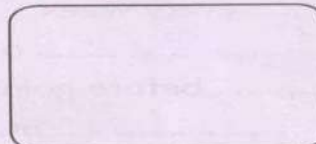
3. garbage smell
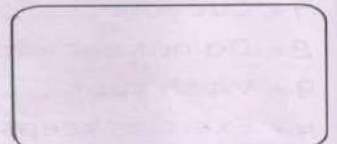
2. bark of a dog

4. thorn

5. pav bhaji

Hindi	Hindi Literature Book- (पेज -40 चित्रवर्णन) (पेज न. 74)
	Hindi Language Book- गतिविधि कार्य पेज न. 9 ,10 ,14
	Copy work- राष्ट्रीय पक्षी का चित्र बनाकर पाँच वाक्य लिखिए
English Literature	• Do Pg no. 27 (Vocabulary) in book. • Do 5 Pages of writing in English Copy.
English Grammar	• Find the names of 10-15 nouns from this picture given (In English copy)

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HOLIDAY HOMEWORK

Class- III

Hindi	1- चार तीर्थ स्थानों के चित्र चिपकाकर उनके नाम लिखिए ।(कॉपी में) 2- अलग-अलग प्रकार के फलों के चित्र अपनी कॉपी में चिपकाइए और उनके नाम लिखिए यह भी बताइए उनमें एक बीज होता है , या कई बीज होते हैं ।(दोनों कार्य हिंदी कॉपी में करिए)
Maths	Do sums given on worksheet in class work register. **(Adding two or three digits)** **Example** 39 + 86 = 125, 72 + 18 + 35 **Find the missing numbers :** **3** 700 + ___ = 985, 85 + ___ **1** 362 + ___ = 538, 115 + ___ **4** 38 + ___ = 647, ___ + 321 **2** ___ + 69 = 624, ___ + 368 **5** ___ + 751 = 873, 79 + ___

Practice Subtraction: Color in Mr. Turtle

Find the difference. Use the key below to color in each space to dress up Mr. Turtle.

$$88 - 40$$

$$59 - 50$$

$$49 - 40$$

$$75 - 40$$

$$99 - 51$$

$$59 - 11$$

$$76 - 50$$

$$29 - 20$$

$$47 - 21$$

$$89 - 63$$

$$68 - 42$$

$$76 - 15$$

Answer =	9	26	35	48	61
Color =	blue	yellow	red	green	grey

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Social Science	Chapter-3 (Save the Environment) Make a project on any one type of pollution(Air, water, land or noise)with Causes and ways to control it on A4 size sheet (With picture)

Computer	Write your full name according to the instruction given below
	   a) Bold
	   b) Italics
	   c) Underlined
	   d) Border
	   e) Drop Cap

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Science	Q-1 Make a model of water cycle as shown on a picture attached with question.

Q-2 Click a picture showing summer, winter, monsoon seasons make a collage and paste it on A4 size sheet. It can be black & white Or colourful.

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English	Do the given worksheet in your English copy.

Date _____   ENGLISH   Name : _____
WORKSHEET
CLASS – III _

Q1. Rewrite the sentences using correct pronouns for the circled words.

1. Raju is absent. (Raju) is ill.
1. Raju is absent. He is ill.

2. This is my mother. (My mother) works in a hospital.
2. _____

3. Look at the cat ! (The cat) likes rats.
3. _____

4. Sonali, Ram and I go to the park. (All of us) play football.
4. _____

Q2 Fill in the blanks using <u>is</u> , <u>am</u> , <u>are</u> .

1. He <u>is</u> a bad boy.
2. Nupur ___ a good girl.
3. We ___ classmates.
4. I ___ reading the newspaper.
5. They ___ studying.

Q3. Write down the plural of the following words.

Singular	Plural
1. Fox	Foxes
2. Beach	
3. Wife	
4. Fairy	
5. Window	

Q4. Cross the wrong word in the following sentences.

1. I have a book / ~~books~~.

2. I have two pen / pens.

3. A bus has four wheel / wheels.

4. These / This is an ice-cream.
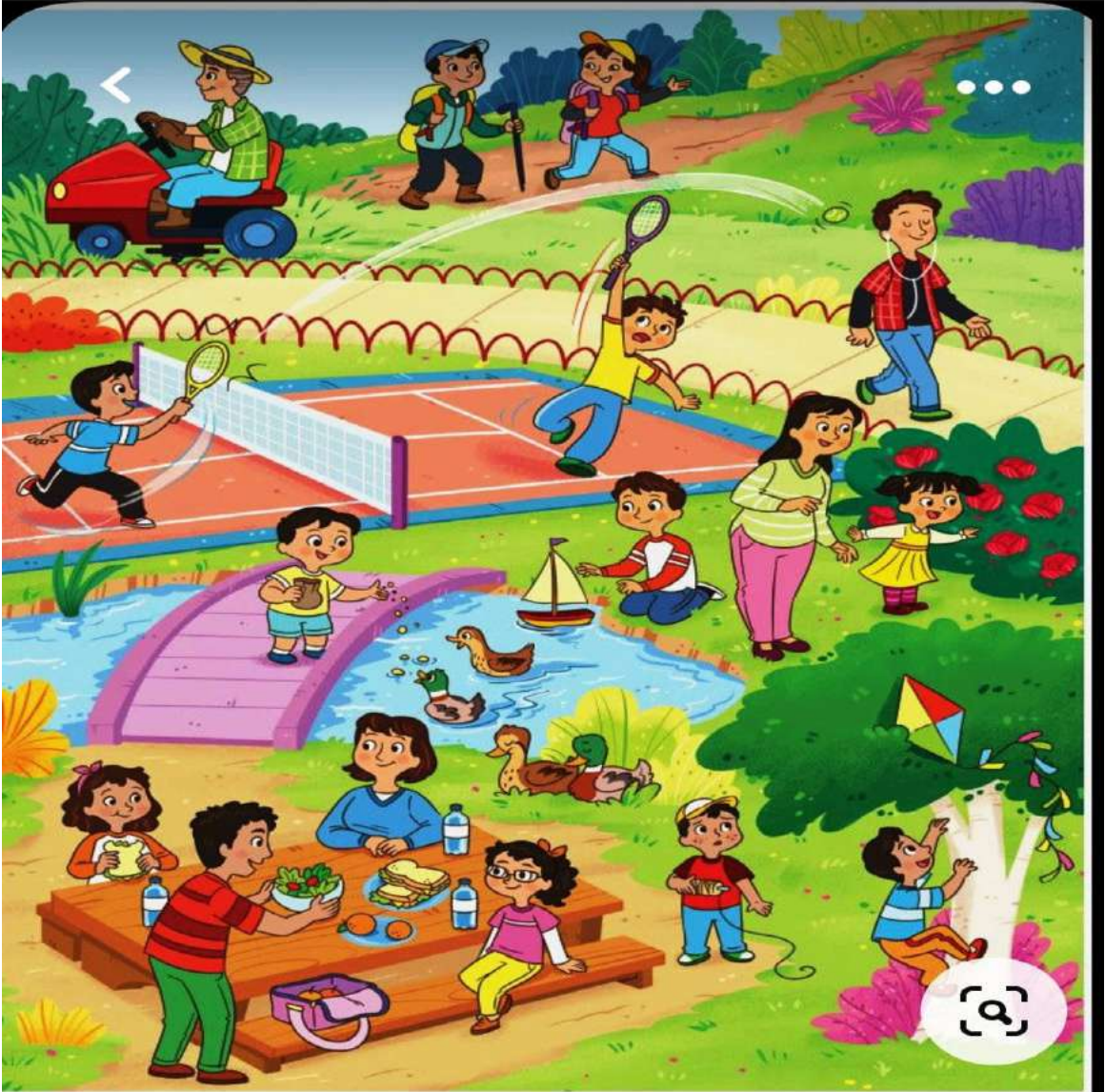
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HOLIDAY HOMEWORK

Class- IV

Social Science	L-3 The Northern and Coastal Plains (**On A4 size sheet**)
	Show popular festivals of following states.
	  1) Gujarat 2) Kerala 3) Assam 4) Punjab 5) Odisha
	  6) Tamil Nadu (with pictures)

English	• Paste 4 pictures of each in your Grammar notebook of proper, common and collective nouns. Take help from your Grammar book Pages- 12, 13, 16, 17.
	
	• Make one sentence for each set of homophones.
	  1) Knight/ night
	  2) Be/bee
	  3) Red/ read
	  4) Cereal/ serial
	  5) Sale/sail

Science	(**Any One**) • Make a model of life cycle of a butterfly.

- Make a poster of see breeze and land breeze on chart paper.
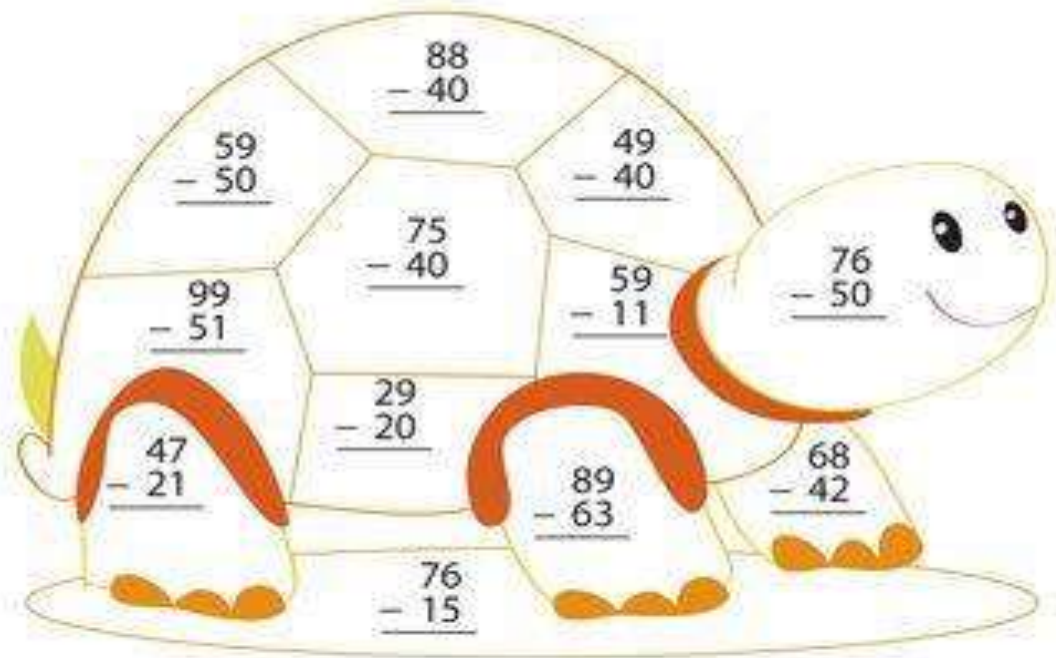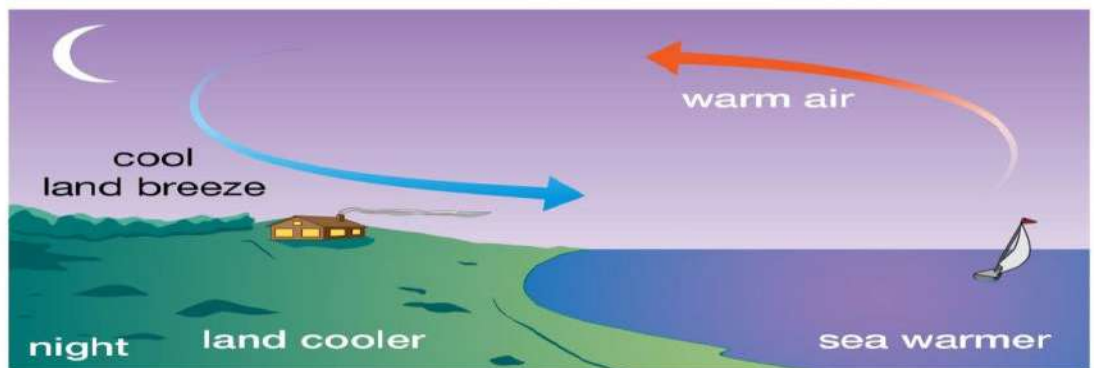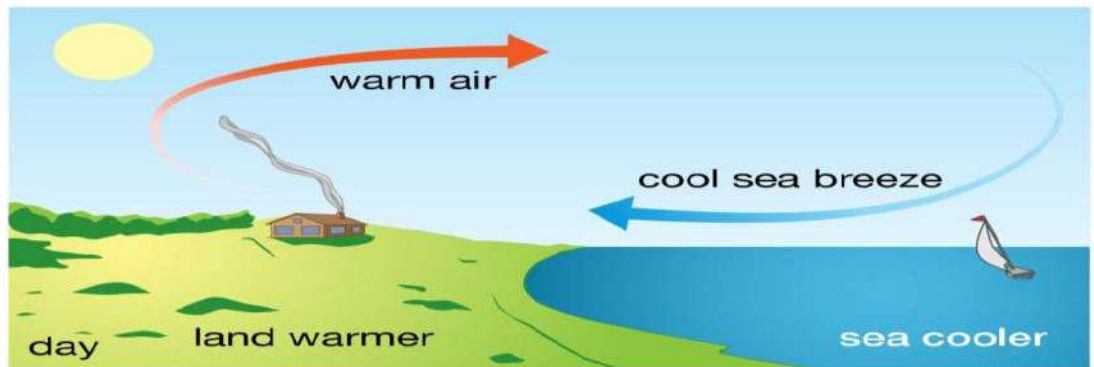

- Make 3D model of a set of teeth.

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Computer	Make the control tree with (any) fifteen shortcut keys.
Hindi	1- शेर , बाघ और चीता का चित्र अपनी कॉपी में चिपकाइए। तीनों के बारे में कुछ ऐसी बातें लिखिए जिससे यह पता चले कि तीनों अलग -अलग जानवर हैं । 2- भारत के पाँच महान वैज्ञानिकों के चित्र चार्ट पेपर पर चिपकाइए चित्रों के नीचे उनके नाम और उनके आविष्कार का नाम लिखिए ।
Maths	Do sums given on worksheet in class work register

Name _____   Date _____

NUMBER BONDS TO 100 SHEET 1

Fill in the missing numbers to make 100.

1) 20 + ____ = 100   2) 31 + ____ = 100   3) 28 + ____ = 100

4) ____ + 15 = 100   5) ____ + 12 = 100   6) ____ + 16 = 100

7) 17 + ____ = 100   8) ____ + 16 = 100   9) 41 + ____ = 100

10) ____ + 4 = 100   11) 34 + ____ = 100   12) ____ + 23 = 100

Join the bonds: join up the number bonds that add up to make 100.

35	53
21	79
47	26
28	65
74	72

36	81
19	38
87	13
62	46
54	64

Circle the bonds: circle all the pairs of numbers that total 100.

32	67	29	45	88	12
68	71	25	46	55	94
7	75	23	54	67	6
14	93	77	33	29	78
98	2	54	41	63	22
31	46	17	83	59	28

See if you can find at least 10 pairs!

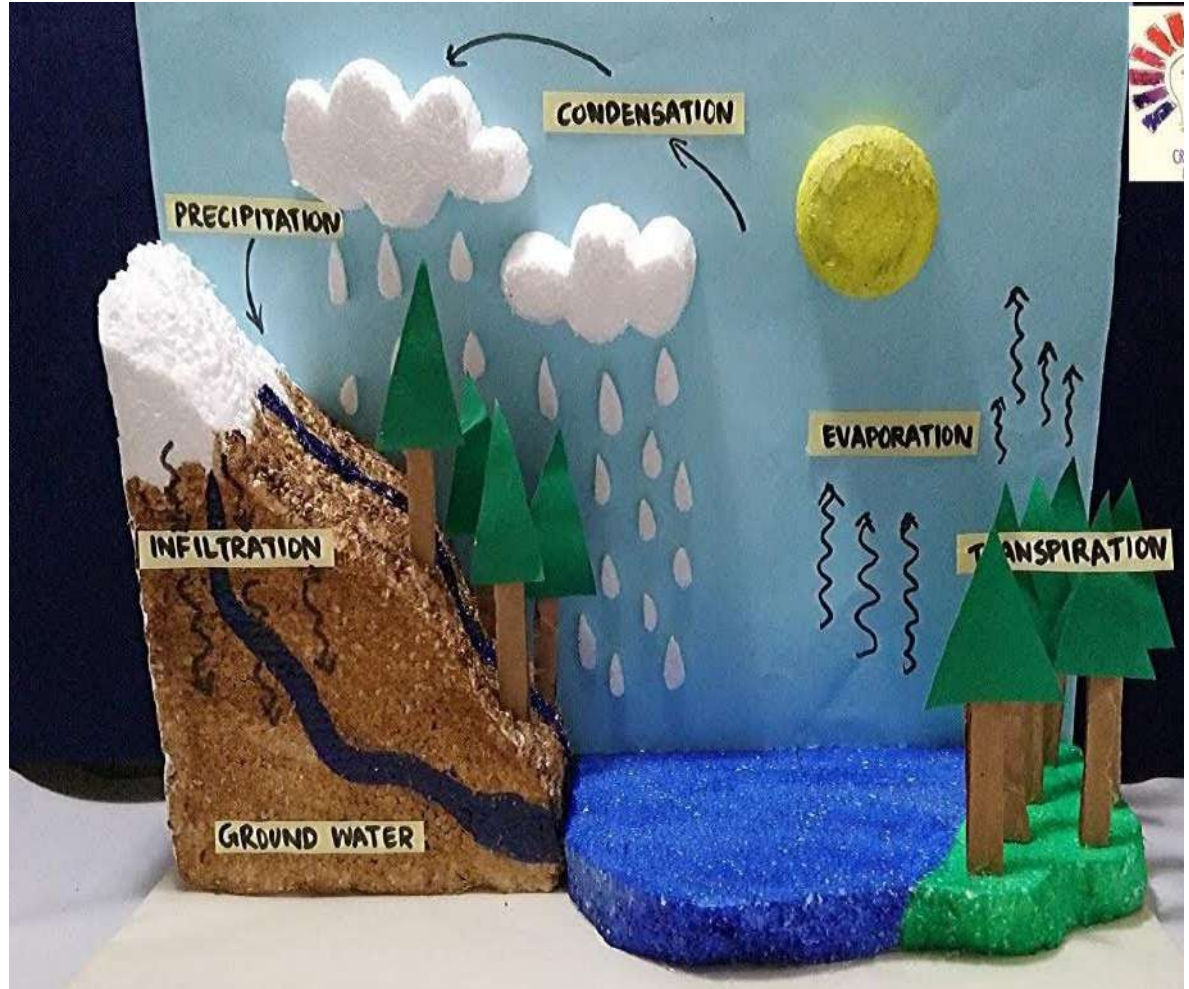Free Math Sheets, Math Games and Math Help
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HOLIDAY HOMEWORK

Class- V

|	
Social Science	Paste pictures of any five landforms and write two, three lines on each.
Science	1- Make a model showing the Traffic rules(Make any one) a) Zebra crossing b) Traffic lights c) Buildings (school, park, market etc) d) Traffic sign 2- Make a working model of Lungs 3- Collect different types of rocks. Put them in a box and label them.
Hindi	1- इन जानवरों (शेर , चीता , भालू , ऊँट , हाथी, बंदर) की आदतों , खान -पान, शारीरिक बनावट आदि का वर्णन देते हुए चित्र सहित प्रोजेक्ट तैयार कीजिए। (कोई चार जानवर) 2- 'इंटरनेट' के लाभ व हानि बताते हुए अनुच्छेद लिखिए। (शब्द सीमा 70 -80 शब्द)
Computer	Make a spin wheel containing these topics with their definition Clipart, Table, Splitting, Alignment, Merging, Symbol, Word art

Maths	1- Write answer in Roman Numeral
	  a- 6×7=
	  b- V×X=
	  c- LXII-XI=
	  d- LV+XLV=
	  e- XLV÷III=
	2- Write first 10
	  a) Prime number
	  b) Composite number
	  c) Odd number
	  d) Even number
	3- Write five pair of Co-Prime number
	4- Write & learn the table from 11 to 20
	5- Solve-
	  a) 25004130-5654138+3138
	  b) (36×160)÷72 of 5
	  c) 3-{(38+12)÷(98-73)}
	  d) 45873-236705+574529-58965

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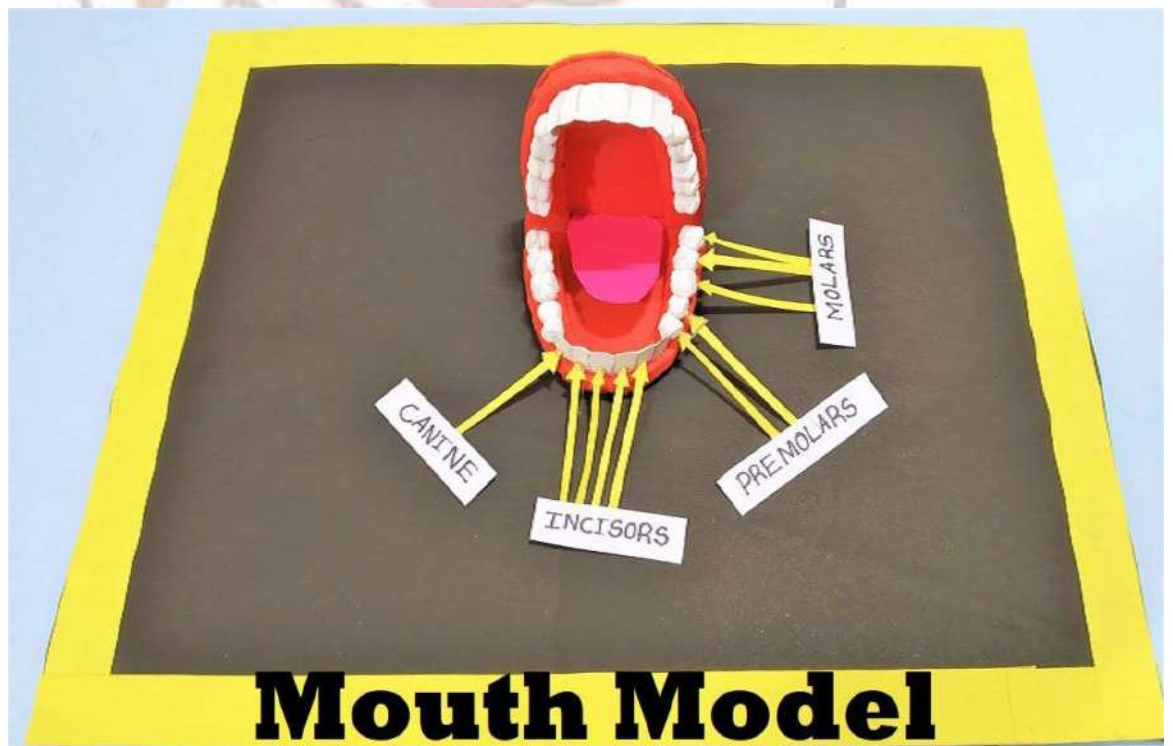*DILDAR NAGAR, KHATI BABA, JHANSI (U.P.) – 284003*

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English	Activity-I - Make a scene of summer season and write a (poem) about it.(Use rhyming words like- Fun-Sun, Seashore-More etc.) Activity –II -Roll a dice- choose a word and follow the directions as per your numbers. Activity-III -Paste the picture of each action and write what do you feel when__ **English Project-** Activity-I should be made on a A4 size paper. (Use pencil colour/ wax crayons) Activity-II & III should be completed in the English fair copy(Grammar Part).

Hello Summer

*Draw a scene of summer and write a POEM about it.
{Use rhyming words like- sun; fun, Seashore; more etc.}

* Roll a dice choose a word and follow the directions as per your numbers.

* Paste the picture of each action and write WHAT DO YOU FEEL WHEN_____?
Select any five actions of your choice from the given image

Note:-
Activity I should be made on A4 size paper. (Use pencil colours and wax crayons).

Activity II & III should be completed in English fair copy (Grammar part).

PIC•COLLAGE

What do you feel when..?

Someone chews with mouth open.	Someone bites their nails. *Don't Bite!*	Someone gossips.	Someone licks their fingers while eating.
Someone bites their lips.	Someone picks in his nose/teeth. NO nose-picking zone	Someone spends too much time on the Internet. Wifi	Someone slurps food.
Someone says stupid jokes.	Someone swears a lot.	Someone talks and eats popcorn loudly at the movies. POP CORN	Someone doesn't hold a door for the person behind them. CAUTION OPEN DOOR SLOWLY
Someone who is late all the time. 12:00	Someone calls you in the middle of the night.	Someone always interrupts you while talking.	Someone is always on their phone at dinner. NO CELL PHONES!
Someone drops litter in the street. TRASH	Someone who always forgets to return things. ?	Someone who burps loudly.	Someone who talks super loud on the phone.

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ROLL A WORD

Name _____

Directions: Roll a dice. Then choose a vocabulary word. Follow the
directions to practice the word.

Dice	Direction
⚀ (1)	Define the word.
⚁ (2)	Use the word in a sentence.
⚂ (3)	Give a synonym for the word.
⚃ (4)	Give an antonym for the word.
⚄ (5)	Find rhyming word.
⚅ (6)	Draw the word.

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gather

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HOLIDAY HOMEWORK

Class- VI

Maths	Test paper 1 and 2 (Solve it)
English(Literature book)	Pg-40 stick picture of Nelson Mandela and write –Born, Died, Political party, Children, Occupation, Awards, Nickname.
Social Science	(**Make any one**) • Model of Earth (Globe) • Diagram of latitude and longitude on chart paper • Solar System (Model) • Draw a Solar system on chart paper
Science	Make working model of any one- 1- Rain water harvesting 2- Electric circuit 3- Pinhole camera
Hindi	1-'अपने अधिकारों के लिए लड़ना चाहिए' इस विषय के पक्ष या विपक्ष में अपने विचार प्रकट करते हुए एक अनुच्छेद लिखिए । 2- डॉ. अंबेडकर का चित्र चिपकाकर उनके जीवन की प्रमुख घटनाओ को लिखिए। (जैसे - जन्म , शिक्षा , राजनीतिक जीवन , पुरस्कार , मृत्यु) 3-हिंदी व्याकरण पेज न. 36 , 37 तथा 40 का पुस्तक में कार्य पूरा करें।
Computer	1- Create a presentation to highlight the importance of sports to live a healthy life, given at page. 32. 2- Prepare a presentation on input, output & secondary storage devices.

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HOLIDAY HOMEWORK

Class- VII

Social Science	(**Any one**) * Make a working model of Volcano (Project) * Make a time line on Mughal Empire (stick picture) * Make a time line of a kings of Delhi Sultanate (stick pictures of kings)
Science	1- Working model of –(**Any one**) 2- Chapter 4 (**Compulsory**) a- Respiration Process(of lungs) (Draw and learn) b- Pollination and fertilization Table 4.1, Table 4.2 c- Wind energy by windmill Table 4.3, Table 4.5 In scrap book.
Maths	Solve Section- A of Test papers 1, 2 & 3(pg no 15, 34 & 53)
English	(1) Go through 'Pg 72' of your Literature book, look at the pictures for reference and write 10 'travel etiquettes' in your fair notebook, also answer the questions given there. (2) Study Synonyoms & antonyoms (Pg 207 & 209) and solve the crosswords of (Pg 208 and 210)
Computer	Create a table & graph in excel at Page no- 46, Project & perform the operations given in a project.
Hindi **Hindi Language**	(१) 'काकोरी कांड ' में योगदान देने वाले क्रांतिकारियों के चित्र A4 शीट में लगाइए और घटना (काकोरी कांड) से सम्बन्धित महत्वपूर्ण बिंदु लिखिए । (२) अभ्यास कार्य Page no-42, 45, 46 किताब में कीजिए

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HOLIDAY HOMEWORK

Class- VIII

Science	Working model of- (any one)
	   a- Hydraulic lift or hand pump or escalator
	   b- Drip and sprinkler irrigation
	   c- Model of National Park

Computer	• Create a program to design a web page of school, like at Page no. 132 • Write a program & creage page at Pg. 133(Project)
Social Science	Prepare project on any one wildlife sanctuary in India –collect information on when and why the sanctuary was established and what kind of animal or birds can be found in it.
Maths	Solve test paper 1, 2, 3.

English	1- Do 'Periodic test paper-1' in your Grammar book.
	2- Write 'Past and Past Participle' forms of these verbs and learn them. (begin, forbid, shrink, spell, steal, throw, criticise, justify, sell, weave)
	3- Study the given table of nouns and verbs.
	   Make sentences of these pairs in your English notebook.
	
	Formation of Verbs from Nouns
	
	    Noun Verbs
	  1- Advice- advise
	  2- Courage- encourage
	  3- Success- succeed
	  4- Health- heal
	  5- Grief- grieve
	  6- Peace- pacify
	  7- Criticism- criticize
	  8- Terror- terrify
	  9- Power- empower
	  10-Varification- verify
	
	4- Find out the Antonyms of the following words.
	(Harmful, Childish, Civilized, Conceal, Haste, Modest, Modern, Humility, Angel, Reject)

Hindi	1- पाठ-4 शब्द विचार -पेज न. 48 , 49 , 51 , 52 , 54 , 55 , 58 ,59 ,63 ,68 का अभ्यास कार्य पुस्तक में कीजिए

2-

ऊपर दिए गए चित्र के आधार पर कोई कहानी या लेख लिखिए (80 -100 शब्दों में) (A4 -शीट पर)

3- भारतीय एकता में कौन- से तत्व बाधक है तथा इन्हें कैसे दूर किया जा सकता है ? चित्र सहित लिखिए (तीन पृष्ठो में)

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HOLIDAY HOMEWORK

Class- IX

Social Science	Make a project on Disaster Management. (Only 5 pages)
English	RTC- Ch-1& 2 (Beehive-On Board) Word Power- 1 to 4 worksheets (Pg-43 On Board) Gap Filling- 1 to 4 (Pg -87 On Board) Editing-1 to 2 (Pg 96 & 97) On Board
Maths	Do very short answer questions of Ch-1 (Pg no-65, 66) and MCQ of Ch-4 (Pg no- 162, 163, 164), Ch-5 (Pg no.-176, 177).
Physics	Solve numericals worksheet.
Hindi	(1)दूरदर्शन पर दिखाए जाने वाले विज्ञापनों का बच्चो पर बढ़ता प्रभाव - इस विषय पर 120 शब्दो में एक अनुच्छेद लिखिए (2)स्वतंत्रता आंदोलन में क्रांतिकारियों का योगदान - इस विषय पर चित्रों की सहायता से एक परियोजना कार्य तैयार कीजिये (केवल चार पृष्ठो में)

Chemistry	Make a chart demonstrating any one of the processes given below
	    1- Melting
	    2- Sublimation
	    3- Condensation

Biology	Make a 3D model of any one-
	    1- Plant Cell
	    2- Animal Cell

Computer	Design a page on the topic school Advertisement by using following MS-Word features-
	    • Pictures
	    • Page border
	    • Word Art
	    • Shape
	    • Bullet/Numbering, Page colour etc.
	Submit the hard copy after summer holidays.

Sheerwood College
Class IX
HOLIDAY HOMEWORK

1. A particle is moving in a circle of diameter 5m. Calculate the distance covered and the displacement when it competes 3 revolutions.

2. A body thrown vertically upwards reaches a maximum height 'h'. It then returns to ground. Calculate the distance travelled and the displacement.

3. A body travels a distance of 15m from A to B and then moves a distance of 20m at right angles to AB. Calculate the total distance travelled and the displacement.

4. An object is moving in a circle of radius 'r'. Calculate the distance and displacement
     (i) when it completes half the circle
     (ii) when it completes one full circle.

5. An object travels 16m in 4s and then another 16m in 2s. What is the average speed of the object?

6. Vishnu swims in a 90m long pool. He covers 180m in one minute by swimming from one end to the other and back along the same straight path. Find the average speed and average velocity of Vishnu.

7. In along distance race, the athletics were expected to take four rounds of the track such that the line of finish was same as the line of start. Suppose the length of the track was 200m.

    (a) What is the total distance to be covered by the athletics?

    (b) What is the displacement of the athletics when they touch the finish line?

    (c) Is the motion of the athletics uniform or non-uniform?

    (d) Is the displacement of an athletic and the distance covered by him at the end of the race equal?

8. Starting from a stationary position, Bhuvan paddles his bicycle to attain a velocity of 6m/s in 30s. Then he applies brakes such that the velocity of bicycle comes down to 4m/s in the next 5s. Calculate the acceleration of the bicycle in both the cases.

9. Amit is moving in his car with a velocity of 45km/hr. How much distance will he cover
     (a) in one minute and
     (b) in one second.

10. The odometer of a car reads 2000 km at the start of a trip and 2400km at the end of the trip. If the trip took 8 hr, calculate the average speed of the car in km/hr and m/s.

11. An electric train is moving with a velocity of 120km/hr. How much distance will it move in 30s?

12. A body is moving with a velocity of 15m/s. If the motion is uniform, what will be the velocity after 10s?

13. A train travels some distance with a speed of 30km/hr and returns with a speed of 45km/hr. Calculate the average speed of the train.

14. A train 100m long moving on a straight level track passes a pole in 5s. Find
     (a) the speed of the train

     (b) the time it will take to cross a bridge 500m long.

15. A car travels along a straight line for first half time with speed 40km/hr and the second half time with
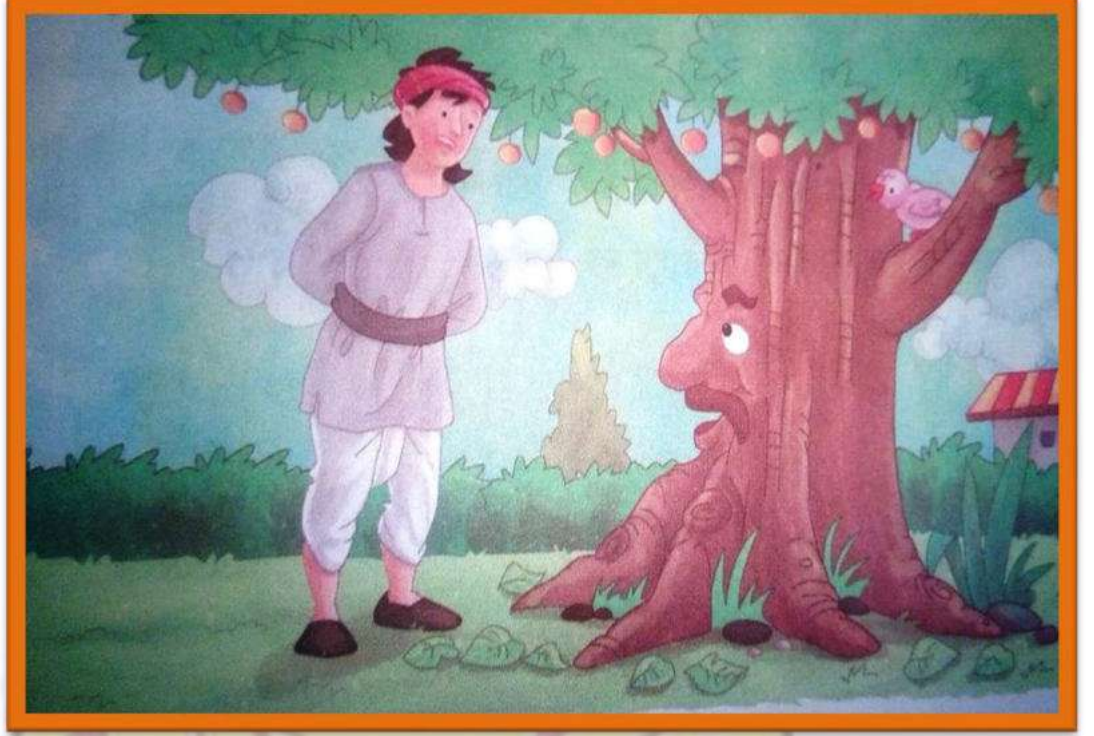
speed 60km/hr. Find the average speed of the car.

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HOLIDAY HOMEWORK
Class- X
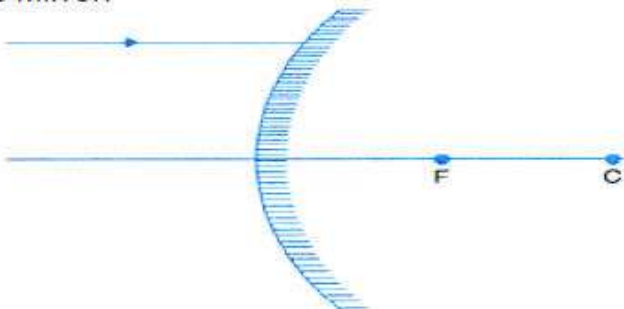
Social Science	Prepare an Art Integrated project on any one topic:- 1- Consumer Awareness 2- Social Issues 3- Sustainable Development
Mathematics	Do the MCQ questions of Ch-1 and 2 with solution.
English	Unseen Passage-3 & 4(factual) Editing- 5 to 10 Word Power- 1 to 4 Omission- 1 to 5 Mind map of Ch-1(First Flight) Mind map of Ch-1 (Foot Prints) Mind map of Poem – A Tiger in the Zoo *All mind maps to be done in fair copy.
Physics	Do all numericals given in the worksheet.
Biology	Draw the diagram of – Stomata/ Chloroplast/ Human Alimentary Canal On an A4 size sheet and label it correctly.
Computer	Make a project on **Improved Communication Skills**.(3 to 4 Pgs)
Hindi	देश भक्ति पर परियोजना तैयार कीजिये ।
Chemistry	1- Make a chart on valency of elements till 20 and radicals on a white A4 sheet. 2- Depict all types of chemical reactions on the white sheet (A4) with properly balanced equation.

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CLASS X PHYSICS
TOPIC: LIGHT – REFLECTION

WORKSHEET – 1

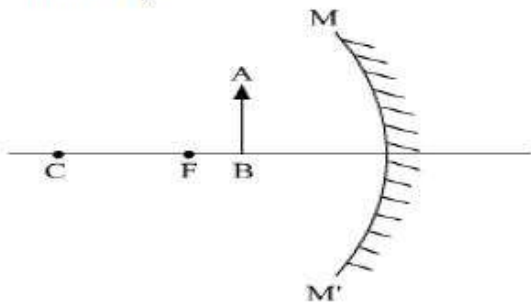|	**One Mark Questions**
1.	An incident ray makes an angle 35⁰ with the surface of a plane mirror. What is the angle of reflection?
2.	Name the spherical mirror which: (a) has a positive focal length (b) always forms a virtual image
3.	The outer surface of a hollow sphere of aluminium of radius 50 cm is to be used as a mirror. What will be the focal length of this mirror? Which type of spherical mirror will it provide?
4.	Redraw the diagram given below in your answer book and show the direction of the light ray after reflection from the mirror.
5.	What is the nature of the image formed by a concave mirror if the magnification produced by the mirror is: (a) +3 (b) -1 Predict the size of image in both the cases.
	Two Mark Questions
6.	Define the focus of a concave mirror. If the radius of curvature of a convex mirror is 30 cm, what would be its focal length?
7.	State and explain the laws of reflection of light with the help of a labeled ray diagram.
8.	List two possible ways in which a concave mirror can produce a magnified image of an object placed in front of it. State the difference, if any, between these two images.
9.	The radius of curvature of a rear- view mirror in a car is 4m. If a truck is behind the car, located 5m from the rear-view mirror of the car. Calculate the size of the image relative to the size of the truck and also find the position and nature of the image formed.
10.	An optical device has been given to a student and he determines its focal length by focusing the image of a sun on a screen placed 24 cm from the device on the same side of the sun. (a) Name the optical device (b) Find its focal length.

11.	Draw the following diagram in your answer book and show the formation of image of the object AB with the help of suitable rays.
	Three Mark Questions

12.	Draw ray diagrams to show the image formation by a concave mirror
	
	    i) For an object placed at the focus (F).
	
	    ii) For an object placed between centre of curvature (C) and focus (F)

13.	A 4 cm needle is placed 12cm away from a convex mirror of focal length 15 cm. Give the location of image and magnification. What happens to the image if the needle is moved further away from the mirror?

14.	A spherical mirror produces an image of magnification -1 on a screen placed at a distance of 50 cm from the mirror.
	        (a) Write the type of mirror.
	        (b) Find the distance of the image from the object.
	        (c) What is the focal length of the mirror?
	        (d) Draw the ray diagram to show the image formation in this case.

15.	An object 2 cm in size is placed 30 cm in front of a concave mirror of focal length 15 cm. At what distance from the mirror should a screen be placed in order to obtain a sharp image? What will be the nature and the size of the image formed? Draw a ray diagram to show the formation of the image in this case.

16.	It is desired to obtain an erect image of an object,using a concave mirror of focal length 20cm
	    (i) What should be the range of distance of the object from the mirror?
	    (ii) Will the image be bigger or smaller than the object?
	    (iii) Draw a ray diagram to show the image formation in this case.

17.	List the sign conventions for reflection of light by spherical mirrors. Draw a diagram and apply these conventions in the determination of focal length of a spherical mirror which forms a three times magnified real image of an object placed 16 cm in front of it.

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HOLIDAY HOMEWORK

Class- XII (Commerce)

B.ST	Ch-2 Principle of management Ch-1 Nature & significance of manage Do all internal case study in class work Copy of these chapter
Accountancy	Complete project file & practice additional questions of Ch- 2,3 & 4.
Economics	Complete project file & complete exercises of foreign exchange rate , balance of payment, Ban tong , Indian Economics Ch-1 & 2.
English	EVERGREEN PRACTICE BOOK- Unseen passage- Assignment-1-5 Notice writing- Assignment -1-4 Letter to the editor Q.no.-4,5 RTC and short answer questions of Chapters – The last lesson, My mother at 66, The third level(Short answer questions any 5)
Applied Mathematics	Prepare chart papers of the formulae and concepts of chapters. Algebra of matrices and Determinants also solve all the examples in fair notebook of the above chapters.
Physical Education	Learn Q/Ans of Chapter 1 & 2.
Hindi	भक्तिन पाठ के आधार पर "नारी ही नारी की दुश्मन है ।" अन्य उदाहरण देते हुये परियोजना कार्य (फाइल) में 6 पेज में बनाइये (चित्र सहित)

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HOLIDAY HOMEWORK

Class- XII (Science)

Biology	Prepare chart papers based on the diagrams of Ch-2 (Eg- Pollen grain, ovule, flower, dicot and monocot embryo, hypohydrophily and epihydrophily)
Mathematics	Prepare chart papers of the formulae and concepts of Chapters inverse trigonometric function, Matrices and determinants. Also do all exercises from NCERT book of the same. Chapters in fair register according to revised syllabus.
Physics	Solve exercises from NCERT book of Ch-1 & Ch-2. Prepare project of derivations: Electric field due to dipole in axile position, Broad position. Define electric line of force and give property with diagram
English	EVERGREEN PRACTICE BOOK- Unseen passage- Assignment-1-5 Notice writing- Assignment -1-4 Letter to the editor Q.no.-4,5 RTC and short answer questions of Chapters – The last lesson, My mother at 66, The third level(Short answer questions any 5)
Chemistry	Complete NCERT questions of Chapter solution and halo alkanes and haloarenes and read chapter electrochemistry carefully.
Physical Education	Learn Q/Ans of chapter 1 & 2.
Hindi	भक्तिन पाठ के आधार पर "नारी ही नारी की दुश्मन है ।" अन्य उदाहरण देते हुये परियोजना कार्य (फाइल) में 6 पेज में बनाइये (चित्र सहित)