

SUMMER VACATION WORK

CLASS : 2

SUBJECT- ENVIRONMENTAL STUDIES

- 1 Introduce yourself and write the name of each family member with your relation with him or her.**
- 2. Write the name of any 10 body parts and their uses.**
- 3. Write down any 10 good and 10 bad habits.**
- 4. Draw any five wild and five domestic animals.**
- 5. Draw a plant and mention its all parts.**
- 6. Write any 10 helpers and tell how do they help us.**

SUBJECT - MATHEMATICS

CLASS -II

- 1. Write the numbers (counting) up to 100 with spelling.**
- 2. Write and learn table up to Ten.**
- 3. Draw any five 2D shapes and make any two 3D models of shapes.**
- 4. Major and write the length of your room in hand Spain, foot Spain and cubit.**

5. Draw any five interesting patterns.
6. Make a clock with the help of useless materials.

विषय-हिन्दी (गृहकार्य)

- 1 . हिंदी वर्णमाला को दो बार ध्यान पूर्वक लिखिए ।
- 2 . स्वर तथा व्यंजन वर्णों को अलग अलग लिखिए ।
- 3 . क से ज तक खड़िया लिखिए ।
- 4 . अपने प्रिये खेल के बारे मे पाँच (5) वाक्य लिखिए ।
- 5 . अपने प्रिये फलो के बारे मे पाँच (5) पंक्तिया लिखिए ।
- 6 . 1 से 100 तक अंको को शब्दों मे लिखिए ।
- 7 . अपनी दैनिक दिनचर्या पर पाँच (5) वाक्य लिखिए ।
- 8 . किसी भी कहानी क वर्णन अपनी शब्दों मे कीजिये ।
- 9 . अपनी पाठ्य पुस्तक से कोई दो (2) कविताओं को लिखकर सीखने का प्रयास कीजिये ।
- 10 . प्रतिदिन दस (10) वाक्य हिन्दी मे नक़ल लिखना है ।

English Home Work

1. Write numbers from 1 to 100 in English .
2. Make some pictures of leaves and trees and colour them with green , red , yellow colours .
3. Write one to many of the following words
Boy , cow , bus , car , man , girl , cap , book , pen , ball , cat , egg , tree , hut , flower , apple , cake , bottle , pot , mug kite .
4. Write names of any ten animals which you see around you .
5. Write any 10 games name .
6. Write opposite words for the following words .. Up , night , open , hard , many , rich , huge , bad , happy , cold , dry , on , near come , buy , calm , in , short , heavy , easy .
7. Write synonym or similar words for the following.. Large , sad , beautiful , fast , gift , small , start , sick .
8. Write and learn any two poems from your textbook "Marigold" .
9. Write five lines about your daily routine during your summer vacation .
10. Write eight pages of English writing (one each week) .

KENDRIYA VIDYALAYA PANNA (M.P.)

Summer Vacations Homework (2022-23)

CLASS III (A+B)

MATHS

1. Draw the following by using horizontal (Sleeping) lines, vertical (Standing) lines, Slanting lines and curved lines only. (small sticks can also be used for lines).

A rangoli design

A bird/ An animal

A hut / A boat

2. Draw a flower, train, house, kite, tree with the use of different shapes and colour it.

3. Make a model of 3D shape of your choice.

4. Learn and write tables from 2 to 10.

5. Paste the cut outs of capital alphabets (A to Z) and digits (0 to 9) and check which alphabets can be divided into similar mirror halves by a dotted line.

6. Do practice subtraction sums.

7. Make your own 2 picture patterns 2 number patterns 2 alphabets patterns

8. Look for the bottles/ packets of liquids in your house. Read the quantity written on the bottle/ packet & fill in the table.

S.no	Item name	Quantity (in ml/litre)
1		
2		
3		
4		
5		

9. Make one abacus with the help of beads, cardboard & waste material, go through the given link it will help you, how to make abacus at home.

<https://youtu.be/r1gkrqcUg9k>

10. Make a place value chart.

SUBJECT – HINDI

प्रश्न 1 पशु-पक्षियों पर आधारित एक कविता की रचना करो।

प्रश्न 2 मामा के घर बिताए छुट्टियों के दिनों के अनुभव को लिखिए ।

प्रश्न 3 बिलोम शब्द / समानार्थी शब्द पर एक चार्ट तैयार कीजिए।

प्रश्न 4 अपने दादा-दादी से पूछकर अकबर और बीरबल पर एक कहानी लिखिए।

प्रश्न 5 अपने पसंदीदा पक्षी या जानवर का चित्र बनाकर उसके बारे में लिखिए।

SUBJECT - ENGLISH

Tasks1- Write one page(from your Marigold book)every day in good handwriting. (Total=30 page)

Tasks2- Read aloud one page of a chapter/recite a poem (from your Marigold book) every day.

Tasks3- Write a sentence every day

with hindi meaning about the most interesting work you did that day.

Examples:- date-

I went to my grandmother's house today.

मैं आज अपनी नानी के घर गया था

Task4- Write ten sentences about any trip you took in this summer vacation.

Task5- Draw colourful pictures of

- 1 Two domestic animals.**
- 2 Two wild animals.**
- 3 Two birds.**
- 4 Two fruits.**
- 5 Two vegetables.**
- 6 Two family members.**

Also write their names below each picture.

EVS

1 Observe any 3 animals in your surrounding (ants, lizard, bee, dog, birds etc.) and draw them. Also write any one thing that you observed about them.

2.Draw a picture of a plant and label its parts.

3. Learn a poem or songs on water and uses of water.

4 .Which is your favourite Season? Write and learn the Weather song.

5. Collect 5 different types of leaves. Let them dry by covering them with newspaper and paste it on a sheet and write their name also.

6. Draw any 5 parts of a house (kitchen, bedroom, dining room etc.) and colour them. Label each thing in the picture.

7. Write the names of five places in your neighbourhood.

8. Cut pictures of people from newspaper and use them to create 5 different types of families.

COMPUTER

Dear Students

Learning is the beginning of wealth.

Learning is the beginning of health.

Learning is the beginning of spirituality.

Searching and learning is where the miracle process all begins.

Holiday is the time that we all eagerly wait for. We all make plans to enjoy, to relax and to empower ourselves during these gala days. This summer vacation the Holiday Homework so designed by the mentors of the school is a medium for you all to achieve the motto of “Fun and Learn”

The activity based assignments will foster curiosity, develop creativity, enhance knowledge and instil the joy of learning among you all. They will certainly help you discover a new you who is more enriched and confident and performs every action to perfection.

Computer Basics:

1. Learn and writes the Introduction to Computer?
2. Learn and writes the steps name of Starting and Shut down the Computer?
3. Identify the parts of computer and make a list of the same with their pictures.
4. What are the strength and weaknesses of computer?
5. Write Do’s and Don’ts while working on computer in lab/ in home.
6. Paste a picture of computer keyboard and define its keys in details.
7. Paste a picture of computer buttons of mouse and define its (Left and Right, Scroll Wheel) in details.
8. Precautions to be taken while opening and closing computer.

9. Introduction to Windows 10 Make a list of the same with their pictures.
10. Computer components can be divided into hardware and software.

KENDRIYA VIDYALAYA PANNA (M.P.)

CLASS-4

Summer Vacations' Homework for the Session 2022-23

English

1. Prepare a chart on Describing words with pictures.
2. Create a game of Naming Words.
3. Write 50 Doing words with their present and past forms.
4. Read Unit 1- 5 of your book and write one new word daily.
5. Watch English News Daily for 15 minutes.
6. Observe the household items at your house and label them with their English names.
7. Write one page daily about you daily routine.

Environmental Studies

1. Write names and paste 20 pictures different types of animals. Also find their place of habitat.
2. Make a chart on classification of means of transport with pictures.
3. Make a poster on sources of water and how can we save water.
4. Write Indoor and Outdoor games that you play and observe in your surroundings. Also write how they are played.
5. Draw a map from your house to your school and write the directions in which they are situated.
6. Make a food chart for yourself for the weekdays so that you can have a balanced diet.
7. Write one page for each of your family members.

MATHEMATICS

1. Prepare a chart of different types of fraction.
2. Prepare the chart of different types of 2D and 3D shapes.
3. Make a model of different objects of different volume (such as cube, cuboid, glass, bowl etc.)

4. Keep a record of the sunrise and sunset time in your city from the newspaper for 15 days and also make clock in your notebook .Keep the record both in the 12 hour clock and in the 24 hour clock .

5. Make a time table for 2 weeks.

Everyday records at least 5 activities where used any mathematical operation in daily life.

हिन्दी

1. शब्द लड़ी बनाओ -

अधिकार:-

पत्रिका :-

2.निम्नलिखित शब्दों में से अनुनासिक और अनुस्वार शब्द छांट कर तालिका में लिखिए:-

पाताल गंगा झंडा गांव आंख गंदा वंदना रंगीन कंधा ऊंचाई सांप

3.अपने आसपास के वातावरण के अनुभव के बारे में कुछ पंक्तियां लिखिए और चित्र भी बनाइए चार्ट पेपर पर:-

4.दिए गए शब्द जाल से विलोम शब्द ढूंढ कर लिखो:-

ग ल त ती न क ली भौ

ख क्ष त्र थे मे शो दि पा

त अं ऋ ग ह है न स

प द थ री न और मो ढौ

त र स ब ती हं स ना

ला बा ध र ती ऐ दै ई

आसमान- सही-

मोटा - बाहर-

असली - रोना-

अमीर - रात-

दूर - आलसी-

5. बताओ मैं कौन हूँ?

प्रथम कटे तो दर हो जाओ

अंत कटे तो बंद हो जाओ

अकेला मिले तो खाता जाऊं
बताओ मैं कौन हूँ?
मेरी पूछं पर है हरियाली
तन है मगर सफेद
खाने के काम आती
अब बोलो मेरा भेद?

6.15 अगस्त पर कुछ पंक्तियां अपने शब्दों में लिखिए:-

SUBJECT - COMPUTER

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Home works for summer vacation

Subject – Computer

Class – IV (A+B)

1) Computer History:

- 11.** What do mean by Computer Generations? Write all computer generations with their pictures in details.
- 12.** Write all the steps to create, open, save and close a file in windows with their pictures in details.

13. How many page layouts available in MS-word? Write their names with their pictures in details.
14. Classification of Computer with their pictures in details.
15. Computer Memory and Storage Devices with their pictures in details.

2) Word Processor:

- 2.1) What are the Create a new file of computer?
- 2.2) write the full forms of CRT, LED, ATM, COMPUTER, RAM, ROM, MAN, WAN, LAN, PAN VDU, CPU, LCD, CD, ALU, URL, USB, DVD, CRT, IP, HTTP, and HDD in copy.
- 2.3) Save As – Saving the file with different name (Copy a File).
- 2.4) View Menu: - 1. Print Layout. 2. Web Layout. 3. Full Screen. 4. Zooming. 5. Ruler.

KENDRIYA VIDYALAYA PANNA (M.P.)

SUMMER VACATION WORK(2022-23)

CLASS:5

ENGLISH

1. PREPARE A DICTIONARY HAVING MINIMUM FIVE WORDS OF EACH ALPHABET (NEW WORDS) WITH MEANING TO ENHANCE THE VOCABULARY COVER IT WITH BEAUTIFUL COVER AND PUT A BOOKMARK IN IT WITH A MORAL VALUE WRITTEN ON BOOKMARK.
2. WRITE A SHORT PARAGRAPH IN ABOUT 40-50 WORDS ON "A VISIT TO TAJ MAHAL". USE THESE VALUE POINTS TO WRITE THE PARAGRAPH.
 - A) HOW DID YOU GET THE CHANCE FOR THIS TRIP?
 - B) WHAT PREPRATIONS DID YOU DO FOR THIS TRIP?

- C) WHAT ALL DID YOU DO AT TAJ MAHAL?
- D) WHAT DID YOU ENJOY THE MOST THERE?
- E) WHAT ALL ACTIVITIES DID YOU DO THERE?
- F) WHAT IS THE UNIQUENESS OF TAJ MAHAL?

3. MAKE A STORY USING THE FOLLOWING HINTS ON A4 SIZE SHEET.

A BOY _____ LOST IN THE JUNGLE _____ FINDS AN OLD PALACE
_____ SEES A DOOR WITH A BIG AND HEAVY LOCK ON IT _____
BREAKS THE LOCK GOES INSIDE _____ SEES A MAGIC
BOOK _____ READS THAT BOOK _____ COMES BACK
HOME _____ BECOMES A RICH MAN.

GIVE A SUITABLE TITLE TO THE STORY. PASTE SOME RELEVANT PICTURES. CIRCLE ALL THE NAMING WORDS AND UNDERLINE THE PRONOUNS.

- 3. DO 5 CURSIVE WRITING ON A4 SIZE SHEET.
- 4. READ TWO NEWS DAILY FROM ENGLISH NEWSPAPER .
NOTEDOWN THE NEW WORDS WITH THEIR MEANING IN YOUR
DICTIONARY.
- 5. DO PRACTICE OF SPEAKING ENGLISH AT HOME.

EVS

- 1. MAKE A TOY(WORKING MODEL) BY USING WASTE MATERIAL
SUCH AS CAR WITH WATER BOTTLES CAP AND BOX.
- 2. MAKE A CHART OF MEDICINAL PLANT AND WRITE THEIR USES.
- 3. MAKE A COLLAGE SHOWING DIFFERENT SUPER HEROES AND
SUPPER VILLAINS LIKE IRON MAN.
- 4. MAKE A CHART SHOWING ANY SIX WOMEN ACHIEVERS WHO
ARE PIONEERS IN THEIR FIELDS AND RECORD HOLDERS.

5. DO PLANT A SEED AND OBSERVE THE CHANGE OCCURED IN DURING 50 DAYS.(COLLECT DAY 1 PICTURE AND PICTURE OF DAY 50
6. PUT SOME WATER AND FOOD FOR BIRDS ON YOUR TERRACE AND IN YOUR BALCONY.
7. DO PREPARE ANY ONE DISH WITHOUT GAS UNDER YOUR PARENTS OBSERVATION.(COLLECT THE PICTURE OF THE SAME)
8. HELP YOUR ELDERS AND FOLLOW THE DIRECTIONS OF YOUR ELDERS.(LIST THE WORK DONE BY YOU FOR YOUR ELDERS)
9. COLLECT THE PICTURES OF THE THING THAT YOU WILL LEARN IN YOUR SUMMER VACATIONS.(GARDENING, PAINTING, BAKERY WORK, DANCING AND SINGING)

हिंदी

- 1 प्रत्येक राज्य को भारत के मानचित्र पर दर्शाकर उसके बारे में कम से कम पांच पंक्ति लिखे ।(राज्य का नाम, उनकी राजधानी , भाषा , त्यौहार / फसल त्यौहार, और लोकसंगीत आदि के बारे में)
2. रद्दी सामान का प्रयोग करते हुए पक्षियों के दाना -पानी रखने के लिए एक बर्तन बनाए। 3.अपने मनपसंद पकवान का चित्र बनाओ और उसके बनाने की विधि लिखो।
4. माँ पर कोई एक कविता याद करो।
- 5 एक से सौ तक गिनती लिखो व याद करो ।
6. गर्मियों की छुट्टी के दौरान कोई एक पौधा लगाना या पहले से लगे पौधे की देखरेख करते हुए उसमे हो रही वृद्धि का ध्यानपूर्वक अवलोकन करना।
7. पन्ना जिले की कोई पांच विशेष बातें पता करे ।
8. A 4 साइज़ पेपर पर 5 पेज सुलेख लिखना ।
- 9 नाम वाले शब्दों के अर्थ व प्रकार पर एक चार्ट बनाना (1 से 15 रोल न.),
<https://youtu.be/MPI5cQZgJAK>
- विशेषण के अर्थ व प्रकार पर एक चार्ट बनाना (16 से 30 रोल न.),
<https://youtube.com/shorts/cez2tC5a06E?feature=s>
- र के विभिन्न रूप पर चार्ट बनाना (31 से 46 30 रोल न.)

र के विभिन्न रूप



10. छुट्टियों में अपना समय कैसे व्यतीत किया पर एक अनुच्छेद लिखना।

MATHS

1. Write the total number of Covid -19 infected patients of our state and number of patients recovered of any five days.

2. Write the total number of Covid-19 infected patients of any five countries in the International and Indian place value system.

3. 1. Learn and write tables 2 to 20

4. Do 2 sums of addition , subtraction , multiplication and division daily.

5. **Make a model of different objects of different volumes (such as cube, cuboid, glass, bowl etc.) Make a model of different objects of different volumes (such as cube, cuboid, glass, bowl etc.)**

6. Activity – I:

Conduct a survey in your neighbourhood and collect information for:

(a) Favourite fruit

b) Favourite drink

(c) Favourite actor

(d) Favourite actress (e) Favourite game Represent the data in a tabular form in a bar graph

7. Activity – II:

Check out the cost of things and make bills for the following:

Item	Quantity	Price (for 1 kg)	Cost (total price for the given quantity)
Sugar	5 kg		
Coffee	2kg		
Biscuits	1 packet		

Milk	1 l Ice- cream		
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8. Make a place value chart of Indian and International system.

9. Make a wall clock showing time using a cardboard and thermocol.

केन्द्रीय विद्यालय, पत्रा (मध्य-प्रदेश)

ग्रीष्मकालीन अवकाश हेतु गृहकार्य

कक्षा-6वीं

विषय - हिन्दी

1. सेतु पाठ्यक्रम के अंतर्गत आए व्याकरणीय शीर्षकों को समझकर याद करिए।
2. पत्र लेखन-
(क) अपने मित्र को जन्मदिन की बधाई देने के लिए एक पत्र लिखिए।
(ख) अपने विद्यालय के प्राचार्य महोदय को अपने चाचा के विवाह में जाने हेतु 3 दिन का अवकाश लेने के लिए एक पत्र लिखिए।
3. 'वह चिड़िया जो' कविता को पढ़कर अपने आसपास दिखने वाले पक्षियों को देखकर उनके द्वारा किए जाने वाले कार्यों को लिखिए।
4. 'बचपन' पाठ को पढ़कर अपने अभिभावकों से उनके बचपन के दिनों के बारे में पूछिए और अपने बचपन से तुलना कीजिए।
5. 'नादान दोस्त' कहानी को पढ़कर अपने बचपन में की गई नादानी के बारे में लिखिए।

परियोजना कार्य

अपने मित्र का चित्र बनाकर उसके बारे में विस्तार से लिखिए, आपको वह क्यों पसंद है।

केन्द्रीय विद्यालय: पन्ना (म.प्र.)
ग्रीष्मावकाश कालीन: गृहकार्यम् (2022-23)
कक्षा – अष्टमी (संस्कृत)

1. अपनी संस्कृत पाठ्यपुस्तक रुचिरा के 'प्रथमः पाठः' के सभी श्लोकों को लिखकर याद करें ।
2. संस्कृत संख्या (1-100) लिखकर याद करें ।
3. छात्र प्रतिज्ञा (संस्कृत में) लिखकर याद करें ।
4. विद्यालय की प्रार्थना (संस्कृत में) लिखें ।
5. अस्मद् और युष्मद् शब्द के रूप लिखें ।
6. खाद् और इष् धातु के रूप पाँचों लकारों में लिखें ।
7. संस्कृत में 10 फलों, 10 फूलों, 10 सब्जियों एवं 10 सम्बन्धियों के नाम लिखें ।
8. संस्कृत की किन्ही 10 सूक्तियों को अर्थ के साथ लिखिए ।

KENDRIYA VIDYALAYA, PANNA

CLASS-VI

SUBJECT – ENGLISH

- Q.1 Write the introduction of sentences and its kind .
- Q.2 Write 15 synonym ,antonyms and one word substitution in your book .
- Q.3 Write 10 sentence in active voice and change into passive voice .
- Q.4 Write short story . Clever monkey
- Q.5 Write a letter to your best friend to invite your birthday party .
- Q.6 Write a notice asking the student to return borrowed book before the school class closed down .

SUMMER HOLIDAYS HOMEWORK

SESSION 2022-23

CLASS-VI (A+B)

SUBJECT - COMPUTER

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Home works for summer vacation

Subject – Computer

Class – VI (A+B)

1) Fundamental of Computer:

- 1) Write the brief of Computer with its generation.
- 2) Make a list of basic components of computer and paste their images in your copy.
- 3) What is the difference between Input and Output devices? Make a list of the same and paste their images in your copy. With their Pictures.
- 4) Make a list of different types of printers in details with their images.
- 5) Write Do's and Don'ts while working on computer in lab/ in home.
- 6) Write the Computer Language.
- 7) Write the Computer Memory its types. With their pictures details.
- 8) There are two types of Software definition and its types.

2) Word Processing (MS Word & MS Excel):

- 2.1) What are the Header and footer?
- 2.2) Formatting of Paragraph.
- 2.3) the Mail Merge.
- 2.4) Merging the colour in cells.

- 2.5) Alignment in the table (vertical and horizontal).
- 2.6) The Table Borders & Draw table.
- 2.7) Inserting new Row and Column.
- 2.8) Page column & Drop cap.



Home work for summer vacation

Subject – Social Science

Class – 6th

1) Geography:

- i. Draw the map of your home?
- ii. What are the four major domains of the earth? Add pictures?
- iii. How are maps more helpful than a globe in real life?
- iv. Learn and writes the name of major continents, oceans, state & capitals, mountains, rivers, bays, volcano, islands, and plateaus of India?
- v. What are the four major domains of the earth? Add pictures?

2.) Political Science:

- i. What is the constitution of our India? Show the importance in our daily life?
- ii. What is democracy? writes the features of democracy according to their village or cities condition?
- iii. What is fundamental rights and fundamental duties of a student's towards our family, friend, school and nations?
- iv. What is the importance of local government in your life?

3.) Our Past-1

- i. Learn and writes the basic terminology of history?
- ii. Read and learn the life of Mahatma Buddha and Mahaveer Swami?

4.) project work:

- Topic of the Project: **'Diversity of India'**

Kendriya Vidyalaya Panna

Summer vacation

Homework

MATHEMATICS

Class 6th

Q.1. Write the names according to Indian system of numeration

a. 87598762

b. 99900046

Q.2. Insert the commas and write the number name according to international system of numeration.

a. 99985102

b. 48049831

Q.3. Draw place value chart in Indian system of numeration and International system of numeration

a. 35965432

b. 58967802

Q.4. Add the following

a. $3654289 + 5965478$

b. $8956789 + 35200145$

Q.5. Subtract 368592 from 9856789

Q.6. Shekhar is a famous cricket player. He has so far scored 6980 runs in test matches. He wishes to complete 10000 runs. How many more runs does he need.

Q.7. A machine, on an average, manufactures 2825 screws a day. How many screws did it produce in the month of January 2006.

Q.8. A vessel has 4 litres and 500ml of curd. In how many glasses, each of 25ml capacity, can it be filled.

Q.9 Express the following as mixed fractions

a. $\frac{28}{5}$

b. $\frac{35}{9}$

Q.10. Express the following as improper fraction

a. $2\frac{3}{4}$

b. $7\frac{1}{9}$

Q.11. Find the sum

a. $25.65 + 9.005 + 3.7$ b. $280.69 + 25.2 + 38$

Q.12. Express as km using decimals

a. 8m b. 88m c. 70km 5m

PROJECT WORK

*** Conduct a survey of 25 families of your locality and collect data that**

✓ How many families have four wheeler?

✓ How many families have two wheeler?

✓ How many families have both four wheeler and two wheeler?

✓ How many families have Bicycle?

Calculate the fraction of data collected to that of total number of families in all the four

parts. Also represent those fractions on different circles and paste them.

Kendriya Vidyalaya Panna

Summer Break Homework

Subject -Science

Class-6

Q.1 Make a list (with pictures, if possible) of food items generally taken by people of different regions of India.

Q.2 Visit a nearby handloom unit and observe the weaving of fabric.

Q.3 Observe preparation of dishes at your home. Identify two changes that can be reversed.

Q.4 Few iron nails and screws got mixed with the wooden shaving while a carpenter was working with them. How can you help him in getting the nails and screws back from the scrap without wasting his time in searching with his hands?

Q.5 Make an electric circuit by contacting the wires with switch, battery and bulb.

केन्द्रीय विद्यालय, पन्ना (मध्य-प्रदेश)

ग्रीष्मकालीन अवकाश हेतु गृहकार्य

कक्षा-7वीं

विषय - हिन्दी

1. सेतु पाठ्यक्रम के अंतर्गत आए व्याकरणीय शीर्षकों को समझकर याद करिए।
2. पत्र लेखन-
(क) अपने मित्र को अपने ग्रीष्मकालीन अवकाश के दौरान हुए अनुभवों को बताते हुए एक पत्र लिखिए।
(ख) अपने विद्यालय के प्राचार्य महोदय को मामा के विवाह में जाने हेतु 3 दिन का अवकाश लेने के लिए एक पत्र लिखिए।
3. 'हम पंछी उन्मुक्त गगन के' कविता को पढ़कर आजादी के महत्व के बारे में लिखिए।
4. 'दादी मां' पाठ को पढ़कर अपनी दादी /नानी के बारे में लिखिए एवं अपने परिवार जनों के दादी /नानी मां के प्रति व्यवहार को लिखिए।
5. 'हिमालय की बेटियां' पाठ को पढ़कर पाठ में आई नदियों के नाम लिखो और उनके बारे में जानकारी एकत्र करके लिखिए ।

परियोजना कार्य

अपनी दादी मां/ नानी मां का चित्र बनाकर उनके बारे में विस्तार से लिखिए।

CLASS-VII

SUBJECT – ENGLISH

Q.1 Write the name of different kind of sentences with introduction and give 2 examples of each sentence .

Q.2 Write 15 synonym ,antonyms and one word substitution in your book .

Q.3. Write a notice asking the student to return borrowed book before the school class closed down .

Q.4 Write 10 sentence in active voice and change into passive voice .

Q.5 Write a letter to Principal sir of your school for three days leave .

Q.6 Write short story

(i) The farmer

(ii) Helping friend

केन्द्रीय विद्यालय: पत्रा (म.प्र.)
ग्रीष्मावकाश कालीन: गृहकार्यम् (2022-23)
कक्षा – 7 (संस्कृत)

1. अपनी संस्कृत पाठ्यपुस्तक रुचिरा के 'प्रथमः पाठः' के सभी श्लोकों को लिखकर याद करें ।
2. संस्कृत संख्या (1-100) लिखकर याद करें ।
3. छात्र प्रतिज्ञा (संस्कृत में) लिखकर याद करें ।
4. विद्यालय की प्रार्थना (संस्कृत में) लिखें ।
5. अस्मद् और युष्मद् शब्द के रूप लिखें ।
6. खाद् और इष् धातु के रूप पाँचों लकारों में लिखें ।
7. संस्कृत में 10 फलों, 10 फूलों, 10 सब्जियों एवं 10 सम्बन्धियों के नाम लिखें ।
8. संस्कृत की किन्ही 10 सूक्तियों को अर्थ के साथ लिखिए ।

SUMMER HOLIDAYS HOMEWORK

SESSION 2022-23

CLASS-VII (A+B)

SUBJECT - COMPUTER

Dear Students

Learning is the beginning of wealth.

Learning is the beginning of health.

Learning is the beginning of spirituality.

Searching and learning is where the miracle process all begins.

Holiday is the time that we all eagerly wait for. We all make plans to enjoy, to relax and to empower ourselves during these gala days. This summer vacation the Holiday Homework so designed by the mentors of the school is a medium for you all to achieve the motto of “Fun and Learn”

The activity based assignments will foster curiosity, develop creativity, enhance knowledge and instil the joy of learning among you all. They will certainly help you discover a new you who is more enriched and confident and performs every action to perfection.

Home works for summer vacation

Subject – Computer

Class – VII (A+B)

1) Computer Security:

- 1) What are the main threats to the computer? Make a list.
- 2) What are computer virus and its history? Write all types of computer virus? With their Pictures.
- 3) What are Cyber Crime and Computer Ethics? With Images
- 4) What are Anti-Virus software and examples?
- 5) What are the Firewall and its use?
- 6) What are the Hackers and Crackers?
- 7) What are the Cyber law and importance?
- 8) What are the Backup and Restore? With Images.

2) HTML:

- 2.1) What is HTML stands for? What is the use of HTML? Write in brief. With Programs.
- 2.2) what is the Heading (H1 to H6)?
- 2.3) what is the
, <hr>, <comment>. With output.
- 2.4) what is the Background Colour, front tag (size, face, colour).
- 2.5) what is the Text alignment (centre, left, right).

Kendriya Vidyalaya Panna

Summer vacation

Homework

Class 7th

Q.1 Draw place value chart in Indian system of numeration and International system of numeration

a. 35965432

b. 58967802

Q.2. Add the following

a. 3654289+5965478

b. 8956789+35200145

Q.3. Subtract 368592 from 9856789

Q.4. Shekhar is a famous cricket player. He has so far scored 6980 runs in test matches. He wishes to complete 10000 runs. How many more runs does he need.

Q.5. A machine , on an average, manufactures 2825 screw a day. How many screws did it produce in the month of January 2006.

Q.6. A vessel has 4 litres and 500ml of curd. In how many glasses, each of 25ml capacity, can it be filled.

Q7. Find the common factors of

a. 35 and 40

b. 56 and 120

Q.8. Write all the numbers less than 100 which are common multiple of 3 and 4

Q.9. Find the HCF of the following

a. 91, 112, 49

b. 18 ,54 ,81

Q.10 Find the LCM of 12 ,16 ,24 ,36

Q.11 Express the following as mixed fractions

a. 28/5

b. 35/9

Q.12. Express the following as improper fraction

a. $2\frac{3}{4}$

b. $7\frac{1}{9}$

Q.13. Solve

a. $\frac{4}{9} + \frac{2}{7}$

b. $\frac{1}{2} + \frac{1}{3} + \frac{1}{6}$

c. $\frac{16}{5} - \frac{7}{5}$

d. $\frac{4}{3} - \frac{1}{2}$

Q.14. Find the sum

a. 25.65+ 9.005+ 3.7

b. 280.69+ 25.2+ 38

Q.15. Express as km using decimals

a. 8m b. 88m c. 70km 5m

PROJECT WORK

*** Conduct a survey of 25 families of your locality and collect data that**

✓ How many families have four wheeler?

✓ How many families have two wheeler?

✓ How many families have both four wheeler and two wheeler?

✓ How many families have Bicycle?

Calculate the fraction of data collected to that of total number of families in all the four

parts. Also represent those fractions on different circles and paste them.

Kendriya Vidyalaya Panna

Summer Break Homework

Subject -Science

Class-7

Q.1 Define Photosynthesis and draw a diagram showing Photosynthesis .

Q.2 Write various steps for processing fibres into wool.

Q.4 Define: physical and chemical changes, physical properties and chemical properties.

Q.4 Explain two neutralization reactions related to daily life situations.

Q .5 What is human excretory system? Draw a diagram of the human excretory system and label the various parts.

Q.6 Make a model to show mechanism of breathing.

Kendriya Vidyalaya Panna

Summer Holiday Home Work(2022-23)

Class - VII

1. Write about the Environmental Degradation and conservation.
2. Write about your ideas how you are saving water at home and school.
3. Write a report on Razia Sultan- one of the earliest woman ruler/sultan.
4. Write about the importation of resource conservation.
5. Write our Fundamental Rights and Duties.

Activities/Map work

6. Locate on the map of India:-
 - (i) State wise capitals and union territories of India.
 - (ii) Neighboring countries of India.
 - (iii) Tropic of Cancer.
 - (iv) The Island groups of India.
 - (v) The northern and southern most latitude in degrees.
 - (vi) Important airports and port cities in India.
7. Make a Scrap book - Paste the picture of people belong to different economics status of society.

Kendriya Vidyalaya Panna M.P.

Summer Vacation Homework (Session 2022-23)

Class VIII

Subject – English

***Write the following work and activities in your homework notebook.**

Q. 1: Develop story from given outlines. Remember to give the moral of the story in the end.

An old lady becomes blind calls in a doctor agrees to pay large fees if cured..... Doctor comes daily..... Starts stealing one piece of furniture daily Delays the cure at last cures her demands his fees..... lady refuses to pay, saying cure is not complete..... doctor objects, the lady says sight not restored as she cannot see all her furniture moral.

Q. 2: Write 5 sentences in active voice and change them into passive voice.

Q. 3: Write a letter to your friend describing your visit to Panna National Park.

Q. 4: Write a diary entry every week during your vacations mentioning how you spent that week. You may paste pictures too. Try to include some interesting events that happened to you or any new experience you have etc.

Q. 5: .Read any one book or story. Also illustrate one of your favourite scenes from that story.

केन्द्रीय विद्यालय पन्ना (म.प्र.)

ग्रीष्म कालीन गृह कार्य

कक्षा -8(अ+ब)

निर्देश - सभी प्रश्नों के उत्तर लिखना है, प्रश्नों के उत्तर बिना किसी तनाव के स्वतंत्र मन से शुद्धता के साथ लिखना है | प्रश्न न.1 प्रोजेक्ट है इसलिए आप इसे अलग से बनायेंगे अन्य प्रश्नों को गृह कार्य कॉपी में लिखेंगे |

प्रश्न -1 पन्ना शहर के प्रमुख मंदिरों एवं पर्यटन स्थलों का एक प्रोजेक्ट बनाएं |

प्रश्न -2 पांच पेज का सुलेख लिखिए |

प्रश्न -3 मामा की शादी में जाने के लिए विद्यालय के प्राचार्य को छुट्टी के लिए प्रार्थना लिखिए |

प्रश्न -4 पर्यायवाची, विलोम शब्द, मुहावरे 20-20 लिखकर लाना है |

प्रश्न -5 यदि आप गर्मियों के अवकाश में आप घूमने जा रहे हैं तो यात्रा - वृतांत लिखिए यदि नहीं तो आप जहाँ रह रहे हैं वहाँ के लोगों की दिनचर्या के बारे में लिखिए |

प्रश्न -6 स्वर संधि ,व्यंजन संधि तथा विसर्ग संधि की परिभाषा देते हुए उदाहरण लिखिए |

केन्द्रीय विद्यालय: पन्ना (म.प्र.)

ग्रीष्मावकाश कालीन: गृहकार्यम् (2022-23)

कक्षा - अष्टमी (संस्कृत)

1. अपनी संस्कृत पाठ्यपुस्तक रुचिरा के 'प्रथमः पाठः' के सभी श्लोकों को लिखकर याद करें |
2. संस्कृत संख्या (1-100) लिखकर याद करें |
3. छात्र प्रतिज्ञा (संस्कृत में) लिखकर याद करें |
4. विद्यालय की प्रार्थना (संस्कृत में) लिखें |
5. अस्मद् और युष्मद् शब्द के रूप लिखें |
6. खाद् और इष् धातु के रूप पाँचों लकारों में लिखें |
7. संस्कृत में 10 फलों, 10 फूलों, 10 सब्जियों एवं 10 सम्बन्धियों के नाम लिखें |
8. संस्कृत की किन्ही 10 सूक्तियों को अर्थ के साथ लिखिए |

HOLIDAY HOMEWORK 2022-23

SUBJECT – SCIENCE

CLASS – VIII

Q1. Prepare chapter 1.

Q2. Differentiate between viruses and other microorganisms.

Q3. What is the role of bacteria in increasing the soil fertility?

Q4. Explain why antibiotics do not work against flu or any infection caused by viruses.

Q5. What is ploughing or tilling? State its advantages.

Q6. What is irrigation? Name the two main methods of irrigation and define them briefly.

Q7. Rajan felt worried about the condition of water scarcity in his village during the cropping season. He went to Ministry of Agriculture and Farmers Welfare of his area to get the solution of this problem. There he came to know about effective method of irrigation and drought resistant varieties of crop. He requested the head of department of the ministry to arrange some workshop on this topic to educate the farmers in these methods.

(a) Name modern methods of irrigation that help us to use water economically.

(b) What is drought resistant varieties of crop?

(c) Can you name some crops that require less amount of water?

(d) What value of Raj is shown here?

Q8. Why is it advised not to wear synthetic clothes while working in a laboratory or working with fire in the kitchen?

Q9. Two thermal balls held close to each other move away from each other. When they are released, name the force which might be responsible for this phenomenon. Explain.

Q10. What are the effects of force on an object?

Q11. What is force? State the difference between contact force and non-contact force.

Q12. Write a short note on petroleum.

Q13. List the steps to conserve the resources.

Q14. Radhey prefers to go to school by pooling car. On other occasions he like to opt for public transport rather than private transport. For short distances, he walks or uses bicycle.

(a) What are the benefits of carpooling?

(b) Which mean of transport do you think is best for short distances?

(c) How on our end we can reduce the consumption of fossil fuels?

(d) What values of Radhey are shown here?

Project work/Activities

Instructions:

1. The report must be hand written.
2. Project report should be original and not copied from any source else marks will not be awarded.
3. Student will give following certificate at the end of the project.
4. If required teacher can talk to the student after submission of project.

CERTIFICATE

“This project in Science for Class IX is done by me independently”

Name and sign of Student with date

Topic: Agricultural practices

Or

Plastic waste management

SUMMER HOLIDAYS HOMEWORK

SESSION 2022-23

CLASS-VIII (A+B)

SUBJECT - COMPUTER

Dear Students

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Learning is the beginning of health.

Learning is the beginning of spirituality.

**Searching and learning is where the miracle process all
begins.**

Holiday is the time that we all eagerly wait for. We all make plans to enjoy, to relax and to empower ourselves during these gala days. This summer vacation the

Holiday Homework so designed by the mentors of the school is a medium for you all to achieve the motto of “Fun and Learn”

The activity based assignments will foster curiosity, develop creativity, enhance knowledge and instil the joy of learning among you all. They will certainly help you discover a new you who is more enriched and confident and performs every action to perfection.

Home works for summer vacation

Subject – Computer

Class – VIII (A+B)

1) Algorithm:

- 1) What are the main difference between Algorithm and Flow chart? Write in details with their pictures.
- 2) What are various types of boxes used in Flow chart? Define each with images and examples.
- 3) What are use of Algorithm in programming Developing Algorithm to solve a particular problem?

2) Flow chart:

- 2.1) What is the about flow chart. With draw Images.
- 2.2) What is the various types of box used in flow chart and their use (terminal box, input/output box, processing box,

decision box). With draw Images.

2.2) Question based on sequence selection and iteration.

3) Photo shop Review:

3.1) what is the (Rectangular, marquee, Tool, Lasso, Quick selection, Crop, Measuring, Retouching, Painting). With their pictures details.

SUMMER VACATIONS HOMEWORK 2022-23

Class-VIII Subject-MATHS

Write the correct option of the following objectives.

1. Which number does not have a reciprocal?

- (a) 1 (b) 0 (c) -1 (d) 2

2. Four added to three times a number gives 19. The number is

- (a) 3 (b) 4 (c) 6 (d) 5

3. Adjacent angles of a parallelogram are

- (a) Supplementary (b) equal (c) complementary (d) none of these

4. Multiply $\frac{6}{13}$ by the reciprocal of $\frac{-7}{16}$.

5. Solve the following equation $7x - 9 = 16$

6. Solve the following equation $7x - 5 = 16$

7. Find five rational numbers between $\frac{2}{3}$ and $\frac{4}{5}$.

8. Fifteen years from now Ravi's age will be four times his present age. What is Ravi's present age?

9. Represent $\frac{-2}{11}, \frac{-5}{11}, \frac{-9}{11}$ on the number line.

10. Simplify and solve the following linear equation

$$15(y-4) - 2(y-9) + 5(y+6) = 0$$

11. Sum of the digits of a two-digit number is 9. When we interchange the digits, it is found that the resulting new number is greater than the original number by 27. What is the two-digit number?

12. Solve the equation $x/3 + 1 = 7/15$.

13. Represent $\frac{-5}{4}$ and $\frac{7}{4}$ on the same number line?

14. Solve the equation, $8x + 4 = 3(x - 1) + 7$

15. Sum of two numbers is 95. If one exceeds the other by 15, find the numbers.

16. Shobo's mother's present age is six times Shobo's present age. Shobo's age four years from now will be one fourth of his mother's present age. What are their present ages?

17. Simplify and solve the following linear equation

$$\frac{3y + 4}{2 - 6y} = \frac{-2}{5}$$

18. The product of two rational numbers is $-\frac{25}{49}$. If one of the numbers is $\frac{5}{8}$, find the other.

19. Divide the sum of $\frac{1}{2}$ and $\frac{1}{5}$ by their difference.

20. Represent $-\frac{7}{5}$ on the number line.

21. Solve using appropriate property:

$$\frac{2}{5}x - \frac{3}{7} - \frac{1}{14} - \frac{3}{7}x = \frac{3}{5}$$

22. The denominator of a rational number is greater than its numerator by 6. If the numerator is decreased by 1 and the denominator is increased by 1, the number is $\frac{1}{3}$, find the rational number.

23. A two digit number is such that sum of its digits is 8. When we interchange the digits new number formed is 36 more than the original number. Find the number.

24. The average of 3 numbers is 39. If the first number is twice the second and second is 4 times of the third. Find the number.

25. If $3m/5 + 5m/4 = 29/40$, find m.

26. Solve: $5x - 3(2x-7) = 5(3x - 1) + 7/2$

27. Write four rational numbers which are greater than - 31 and less than 4.

28. A number is seven times the other number. If their sum is 96, find the numbers.

29. The perimeter of a rectangle is 52cm. If its width is 2cm more than one-third of its length, find the dimensions of the rectangle.

30. The sum of three consecutive multiples of 7 is 777. Find these multiples.

31. Meena's mother is four times as old as Meena. After five years, her mother will be three times as old as she will be then. What are their present ages?

32. The sum of the digits of a two digit number is 10. If the number formed by reversing the digits is less than the original number by 36, find the number.

33. Solve: $\frac{15}{4} - 9x = 9$

34. Solve PISA items and CCT practice from DIKSHA Portal.

Project work:-

Complete 4 activities in the Lab Manual.

Kendriya Vidyalaya Panna

Summer Holiday Home Work(2022-23)

Class - VIII

1. Write about the problem faced - scarcity of water and dry soil and clothing.
2. Write about the differences in the living and working condition of rural and urban areas.
3. Write about Ryotwari system and Permanent settlement.
4. Write about the importation of resource conservation.
5. Explain the importance of India's location on the Globe.
6. Write our Fundamental Rights and Duties.

Activities/Map work

7. The sun rises two hours earlier in Arunachal Pradesh as compared to Gujarat in the west but the watches show the same time. How does this happen?
8. Make a Scrap book - Paste the picture of people belong to different economics status of society.
9. Locate on the map of India:-
 - (i) State wise capitals and union territories of India.
 - (ii) Neighboring countries of India.
 - (iii) Tropic of Cancer.
 - (iv) The Island groups of India.
 - (v) The northern and southern most latitude in degrees.
 - (vi) Important airports and port cities in India.

केन्द्रीय विद्यालय, पन्ना (मध्य-प्रदेश)

ग्रीष्मकालीन अवकाश हेतु गृहकार्य

कक्षा-9वीं

विषय - हिन्दी

1. सेतु पाठ्यक्रम के अंतर्गत आए व्याकरणीय शीर्षकों को समझकर याद करिए एवं अलंकार और अर्थ के आधार पर वाक्य भेद को उदाहरण सहित विस्तार से लिखिए।
2. अनुच्छेद लेखन-
 - (क) वृद्धावस्था और पारिवारिक सहयोग,
 - (ख) अनुशासन और विद्यार्थी जीवन,
 - (ग) कोविड-19
3. लघुकथा लेखन-
 - (क) किसान की मेहनत,
 - (ख) मां की ममता
 - (ग) कर्म का फल
4. 'दो बैलों की कथा' पाठ को पढ़कर पशुओं के प्रति हमारे व्यवहार को लिखिए।
5. 'ल्हासा की ओर' पाठ पढ़कर अपनी किसी रोचक यात्रा के अनुभव को लिखिए।
6. 'इस जलप्रलय में' पाठ को पढ़कर बाढ़ से बचने के उपायों को लिखिए।

परियोजना कार्य

*** प्रेमचंद का चित्र बनाकर उनका जीवन परिचय लिखिए।**

HOLIDAY HOMEWORK 2022-23

SUBJECT – SCIENCE

CLASS – IX

Q1. Prepare chapter 1.

Q2. When a crystal of potassium permanganate is placed in a beaker containing water, its purple colour spreads throughout the water. What do you conclude from this observation about the nature of potassium permanganate and water?

Q3. Why do solids have a regular geometrical shape?

Q4. How is bacterial cell different from onion peel?

Q5. A solution of 3% glucose and a solution of 8% glucose are kept in a trough separated by a semipermeable membrane. What will you observe after 1 hour?

Q6. What is a neuron? Write the structure and functions of a neuron.

Q7. Describe the structure and function of different types of epithelial tissues. Draw the diagram for each type of epithelial tissue.

Q8. Give five examples from everyday life where work is done.

Q9. Give three examples when the object is not displaced in spite of a force acting on it.

Q10. Give three examples when the object is not displaced in spite of a force acting on it.

Q11. Explain the following terms with one example each:

(a) Positive work

(b) Zero work

Q12. What is a balanced diet? Describe your diet plan.

Q13. A cyclist comes to a skidding stop at 50 m. During this process, the force on the cycle due to the road is 1000 N and is directed opposite to the motion. How much work does the road do on the cycle?

Q14. What is the difference between being 'healthy' and 'disease-free'?

Q15. Discuss the causes, symptoms, preventive measures and treatment of AIDS.

Project work/Activities

Instructions:

1. The report must be hand written.
2. Project report should be original and not copied from any source else marks will not be awarded.
3. Student will give following certificate at the end of the project.
4. If required teacher can talk to the student after submission of project.

CERTIFICATE

“This project in Science for Class IX is done by me independently”

Name and sign of Student with date

Topic: communicable disease

Or

Non -communicable disease

Or

Public cleanliness is important for individual health’

SUMMER HOLIDAYS HOMEWORK

SESSION 2022-23

CLASS-IX (A+B)

SUBJECT - COMPUTER

Dear Students

Learning is the beginning of wealth.

Learning is the beginning of health.

Learning is the beginning of spirituality.

Searching and learning is where the miracle process all begins.

Holiday is the time that we all eagerly wait for. We all make plans to enjoy, to relax and to empower ourselves during these gala days. This summer vacation the Holiday Homework so designed by the mentors of the school is a medium for you all to achieve the motto of “Fun and Learn”

The activity based assignments will foster curiosity, develop creativity, enhance knowledge and instil the joy of learning among you all. They will certainly help you discover a new you who is more enriched and confident and performs every action to perfection.

Home works for summer vacation

Subject – Computer (AI)

Class – IX (A+B)

1) Artificial Intelligence:

- 1) Identify and appreciate Artificial Intelligence and describe its applications in daily life. With their Pictures.
- 2) Gain awareness about AI bias and AI access.
- 3) Identify the AI Project Cycle framework.
- 4) What are some real – life applications of Artificial Intelligence? With their Pictures.
- 5) What are the different platforms for Artificial Intelligence (AI) development?
- 6) What are the programming languages used for Artificial Intelligence?
- 7) What are the types of Artificial Intelligence? With their diagram.
- 8) What is the difference between Artificial Intelligence, Machine learning, and Deep learning?

2) Python:

- 2.1) what is the difference between list and tuples in Python?
- 2.2) what are the key features of Python?
- 2.3) what type of language is python? Programming or scripting?
- 2.4) Python an interpreted language. Explain.

SUMMER VACATION HOMEWORK, CLASS IX (A+B)

1. YOU ARE ADARSH/ MADHURI OF CLASS IX .WRITE A DIARY ENTRY EXPRESSING 1.HOW YOU CELEBRATED YOUR BIRTHDAY 2. ANNUAL SPORTS DAY OF YOUR SCHOOL.
2. WRITE ANY ONE INTERESTING STORY WITH A MORAL BASED ON THE INPUTS.
3. PREPARE A MODALS CHART AND WRITE TWO EXAMPLES OF EACH.
3. PREPARE A TENSE CHART AND WRITE EXAMPLE OF EACH TENSE.
4. REVISE AND LEARN THE ENGLISH BRIDGE COURSE DONE TILL APRIL.
5. MY DICTIONARY-COLLECT 30 NEW WORDS FROM NEWS PAPERS AND STORY BOOKS. ALSO WRITE THEIR MEANING AND USE THEM IN SENTENCES.
6. WRITE ONE EXAMPLE OF EACH-(A) LETTER OF INQUIRY (B) LETTER OF PLACING AN ORDER (C) LETTER TO THE EDITOR.
- 7 WRITE 20 EXAMPLES RELATED TO SUBJECT- VERB CONCORD.
8. WRITE AN DESCRIPTIVE PARAGRAPH (100-120 WORDS) ON PERSON/EVENT/SITUATION BASED ON VISUALOR VERBAL CLUES.

PROJECT WORK

9. PREPARE THE BIO SKETCH OF YOUR FAVOURITE ENGLISH WRITER OR POET.

Kendriya Vidyalaya Panna

Summer vacation

Homework

MATHEMATICS

Class 9th

Q.1. Find 10 rational number between $-2/5$ and $1/2$

Q.2. The ages of Rahul and Haroon are in the ratio 5:7 Four years later the sum of their ages will be 56 years. What are their present age.

Q.3. Solve the following equation and check your result $3x = 2x + 18$

Q.4. Aman age is three times his sons age . Ten years ago he was five times his sons age. Find their present age.

Q.5. Find the smallest square number that is divisible by each of the numbers 4,9,and 10.

Q.6. Find the square root of the following decimal numbers by long division method

a. 51.84

b. 7.29

Q.7. Find the smallest by which each of the following numbers must be multiplied to obtain a perfect cube.

a. 675

b. 256

Q.8. 72% of 25 students are good in mathematics. How many are not good in mathematics.

Q.9. A shop keeper buys 80 articles for Rs 2400 and sells them for a profit of 16% find the selling price of one article.

Q.10. Kamla borrowed Rs 26400 from a bank to buy a scooter at a rate of 15% p.a compounded yearly. What amount will she pay at the end of 2 years and 4 months to clear the loan.

Q.11. Subtract $4a-7ab+3b+12$ from $12a-9ab+5b-3$

Q.12. Obtain the product of

a. $a, 2b, 3c, 6abc$ b. $m, -mn, mnp$

Q.13. Find the area of a rhombus whose side is 6cm and whose altitude is 4 cm. if one of the diagonal is 8 cm long find the length of other diagonal.

Q.14. A roadroller takes 750 complete revolutions to move once over to level a road. Find the area of the road if the diameter of a road roller is 84 cm and length 1m.

Q.15. Factorise the following

a. $a^2+8a+16$ b. $25m^2+30m+9$

PROJECT WORK

Pythagoras Theorem:

This theorem states that the square on the hypotenuse of a right-angled triangle is equal in area to the sum of the squares on the other two sides.

Materials Required:

1. Colour papers

2.Ruler and sketches

Kendriya Vidyalaya Panna

Summer Holiday Home Work (2022-23)

Class IX

1. Write about the importation of resource conservation.
2. Write about the differences in the living and working condition of rural and urban areas.
3. Show the distribution of Heat Zones on the earth With the help of Diagrams.
4. Explain the importance of India's location on the Globe.
5. Write our Fundamental Rights and Duties.
6. Describe causes and consequences of the world war I.

Activities/Map work

7. The sun rises two hours earlier in Arunachal Pradesh as compared to Gujarat in the west but the watches show the same time. How does this happen?
8. Locate on the map of India:-
 - (i) State wise capitals and union territories of India.
 - (ii) Neighboring countries of India.
 - (iii) Tropic of Cancer.
 - (iv) The Island groups of India.
 - (v) The northern and southern most latitude in degrees.

Project Work

Topic: Disaster Management.

The following steps will be taken for project work:-

- a. Students sign a certificate claiming that the project work is original.
- b. Acknowledgments.
- c. Data- Collection or survey.
- d. Analysis of data- quantitative and qualitative.
- e. Reporting (writing)
- f. Conclusion/ prediction.
- g. Bibliography- mention all references.

Project work should include the following.

- There should be a group of four to five students for the project work.
- The compilation of the report should be 20 to 25 pages.
- The project should include drawing, graphs, depicting shadow drawings.
- The main content of the project should be primary data.
- The project should be taken up in an eco friendly manner using readily available local resources without any financial burden on parents or guardians.

Note:- Project work should not include the following.

Project work should not include copying content from text books or taking print from the Internet, cutting and pasting information from the Internet.

Kendriya Vidyalaya Panna

Summer vacation

Homework(2022-23)

Q .1 write down the balance chemical equation for the following.

a). Silver chloride is decomposed in the presence of Sunlight to give silver and chloride gas

b) calcium oxide react with water to give lime water

C) sodium hydroxide react with hydrochloric acid to give sodium chloride and water.

D) dilute hydrochloric acid is added to Copper oxide to give green coloured copper chloride and water.

E) solution of Barium Chloride and sodium sulphate in water react to give in soluble Barium sulphate and solution of sodium chloride.

Q 2. (a) decomposition reaction

(b) combination reaction

(c) displacement reaction

(d) double displacement reaction

Q3 . What do you mean by oxidation and reduction reaction

Q 4 what do you mean by oxidant and reductant

Q5. Why does the colour of copper sulphate solution change when an iron nail is dipped in it.

Q.6 right the reaction when Barium Chloride react with Aluminium Sulphate to give aluminium chloride and precipitate of Barium sulphate

Q7 write the short note of neutralization reaction and precipitation reaction.

Q 9giving an example list two information which make a chemical equations more useful.

Q10 android the valence chemical equations for process of photosynthesis

Q11 pet the type of chemical reaction and chemical equation that take place in the following

(a) magnesium wire is burn in air

(b) electrical current is passed through water

(c) Ammonia and hydrogen chloride gas are mixed

(d) FeSO_4 is decompose

केन्द्रीय विद्यालय पन्ना (म.प्र.)

ग्रीष्म कालीन गृह कार्य

कक्षा -10(अ+ब)

निर्देश - सभी प्रश्नों के उत्तर लिखना है, प्रश्नों के उत्तर बिना किसी तनाव के स्वतंत्र मन से शुद्धता के साथ लिखना है | प्रश्न न.1 प्रोजेक्ट है इसलिए आप इसे अलग से बनायेंगे अन्य प्रश्नों को गृह कार्य कॉपी में लिखेंगे |

प्रश्न -1 पन्ना शहर के प्रमुख मंदिरों एवं पर्यटन स्थलों का एक प्रोजेक्ट बनाएं |

प्रश्न - 2 यदि आप गर्मियों के अवकाश में आप घूमने जा रहे हैं तो यात्रा - वृत्तांत लिखिए यदि नहीं तो आप जहाँ रह रहे हैं वहाँ के लोगों की दिनचर्या के बारे में लिखिए |

प्रश्न- 3 सूरदास के पद पाठ के चारों पदों को लिखिए एवं उसकी व्याख्या लिखिए |

प्रश्न -4 नेताजी का चश्मा पाठ के प्रश्नोत्तर अपनी कक्षा कॉपी में लिखिए |

प्रश्न -5 कृतिका -2 से माता का अंचल पाठ का सारांश अपने शब्दों में लिखिए |

प्रश्न -6 निम्नलिखित विषयों में विज्ञापन लिखिए -

1-“बेटी बचाओ, बेटी पढ़ाओ” विषय पर लगभग 50 शब्दों में एक विज्ञापन तैयार कीजिए।

2- टूथपेस्ट बनाने वाली कंपनी के लिए लगभग 50 शब्दों का एक विज्ञापन तैयार कीजिये

Holiday homework

Class 10th Section A and B

Subject-Biology

1. To complete practical writing work in practical notebook

List of biology experiments:

1. *Preparing a temporary mount of a leaf peel to show stomata.*
2. *Experimentally show that carbon dioxide is given out during respiration.*
3. *Studying (a) binary fission in Amoeba, and (b) budding in yeast and Hydra with the help of prepared slides.*
4. *Identification of the different parts of an embryo of a dicot seed (Pea, gram or red kidney bean).*

SUMMER HOLIDAYS HOMEWORK

SESSION 2022-23

CLASS-X (A+B)

SUBJECT - COMPUTER

Dear Students

Learning is the beginning of wealth.

Learning is the beginning of health.

Learning is the beginning of spirituality.

Searching and learning is where the miracle process all begins.

Holiday is the time that we all eagerly wait for. We all make plans to enjoy, to relax and to empower ourselves during these gala days. This summer vacation the Holiday Homework so designed by the mentors of the school is a medium for you all to achieve the motto of “Fun and Learn”

The activity based assignments will foster curiosity, develop creativity, enhance knowledge and instil the joy of learning among you all. They will certainly help you discover a new you who is more enriched and confident and performs every action to perfection.

Home works for summer vacation

Subject – Computer (AI)

Class – X (A+B)

1) Artificial Intelligence:

- 1) Identify and appreciate Artificial Intelligence and describe its applications in daily life. With their Pictures.
- 2) Introduction to Artificial Intelligence.
- 3) Identify the AI Project Cycle framework.
- 4) What are some real – life applications of Artificial Intelligence? With their Pictures.
- 5) What are the different platforms for Artificial Intelligence (AI) development?
- 6) What are the programming languages used for Artificial Intelligence?
- 7) What are the types of Artificial Intelligence?
- 8) What is the difference between Artificial Intelligence, Machine learning, and Deep learning?

2) Python:

- 2.1) what is the difference between list and tuples in Python?
With their pictures.
- 2.2) what are the key features of Python?
- 2.3) what type of language is python? Programming or scripting?
- 2.4) Python an interpreted language. Explain.
- 2.5) what are the benefits of using Python?

SUMMER VACATIONS HOMEWORK 2022-23

Class-X

Subject-MATHS

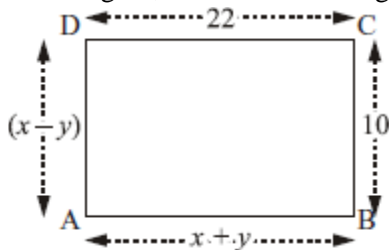
1. Use Euclid's division algorithm to find the HCF of 105 and 120 (Ans.15)
2. Find the prime factorization of 234. (Ans. $2 \times 3^2 \times 13$)
3. Find the LCM and HCF of the pair of integers 13,11 (Ans. 1, 143)
4. If the LCM (91, 26) =182, then find the HCF (91, 26). (Ans. 13)
5. Find the LCM of (96,408) if the HCF is 24. (Ans.1632)
6. Find LCM of 72, 80, and 120. (Ans.720)
7. Prove that $\sqrt{3}$ is irrational.
8. Find the largest number which divides 245 and 1029 leaving remainder 5 in each case. (Ans.16)
9. Use Euclid's division algorithm to find the HCF of 196, 38220. (Ans.196)
10. Show that the pair of equations $2x-3y = 6$, $x + y = 1$. has a unique solution.
11. Show that the pair of equations $2y=4x-6$, $2x=y+3$, has infinite solutions.
12. For what value of k, $2x+3y=4$, $(k+2)x+6y=3k+2$ will have infinitely many solutions. (Ans.k=2)
13. Is the pair of equations : $x+2y-4=0$,
 $2x+4y-2=0$ consistent.
14. Solve algebraically the pair of equations:
 $2x-y=5$,
 $3x+2y=11$.(Ans .x=3 ,y=1)
15. Find all the zeroes of the polynomial $2x^4 - 3x^3 - 3x^2 + 6x - 2$, if two of its zeroes are $\sqrt{2}$, $-\sqrt{2}$. (Ans. $1, \frac{1}{2}$)
16. Find the zeroes of $3\sqrt{2}x^2 + 13x + 6\sqrt{2}$ and verify the relation between the zeroes and coefficients of the polynomial.
17. If the zeroes of the polynomial $x^3 - 3x^2 + x + 1$ are a-b, a, a+ b, find a, b. (a=1,b= $\pm\sqrt{2}$)
18. Find the LCM and HCF of the pair of integers 120, 70. Also verify that
LCM x HCF = product of numbers.

LINEAR EQUATIONS IN TWO VARIABLES

1. Show that the pair of equations $2y=4x-6$, $2x=y+3$, has infinite many solutions.
2. Solve by Substitution method the pair of equations:
 $2x + 3y + 8 = 0$
 $4x + 5y + 14 = 0$ (Ans: (-1, -2))
3. Solve graphically the pair of equations:
 $2x + y = 6$
 $2x - y + 2 = 0$.
4. If $2x-3y=7$ and $(a+b)x - (a+b-3)y=4a+b$ have infinite solution, find a, b Ans. (-5,1)

5. Solve: $\frac{x}{a} + \frac{y}{b} = 2$
 $ax-by = a^2 - b^2$. (Ans: $x=a, y=b$)
6. Solve by elimination method $23x+29y=98$
 $29x+23y=110$. (Ans. $x=3,y=1$).
7. The sum of the digits of a two digit number is 12. The number obtained by interchanging the two digits exceeds the given number by 18. Find the number.
 (Ans: 57)
8. The monthly incomes of A and B are in the ratio of 5 : 4 and their monthly expenditures are in the ratio of 7: 5. If each saves Rs. 3000 per month, find the monthly income of each.
 (Ans: Rs.10000 ,Rs.8000)
9. Father's age is 3 times the sum of ages of his two children. After 5 years his age will be twice the sum of ages of the two children. Find the age of father.
 (Ans: 45)
10. Two numbers are in the ratio 5 : 6. If 8 is subtracted from each of the numbers, the ratio becomes 4 : 5. Find the numbers.
 (Ans: 40,48)
11. The sum of the digits of a two digit number is 12. The number obtained by interchanging the two digits exceeds the given number by 18. Find the number.
 (Ans: 57)
12. Solve: $\frac{x+1}{2} + \frac{y-1}{3} = 8$
 $\frac{x-1}{3} + \frac{y+1}{2} = 9$ (Ans: $x=7, y=13$)
13. $\frac{2}{x-1} + \frac{3}{y+1} = 2$
 $\frac{3}{x-1} + \frac{2}{y+1} = \frac{13}{6}$ (Ans: $x=3, y=2$)

14. In the figure, ABCD is a rectangle. Find the values of x and y .



(Ans: $x=16, y=6$)

15. Nine times a two-digit number is the same as twice the number obtained by interchanging the digits of the number. If one digit of the number exceeds the other number by 7, find the number.
 (Ans: .=18)
16. A man travels 370 km partly by train and partly by car. If he covers 250 km by train and rest by car, it takes him 4 hours. But if he travels 130 km by train and rest by car, he takes 18 minutes longer. Find the speed of the train and that of the car.
 (Ans: speed of the train=100km/hr, speed of the car =80km/hr)
17. A boat goes 30 km upstream and 44 km down steam in 10 hrs. I n 13 hours it can go 40km upstream and 55 km downstream .Determine the speed of the stream and that of the boat. What value to be learnt in real life from this problem?
18. Solve additional problems from any reference book for chapter 1, 2 & 3.
19. Solve PISA items and CCT practice from DIKSHA Portal.

PROJECT WORK

Complete any 4 lab activities in the Lab.manual.

KENDRIYA VIDYALAYA PANNA
SUMMER VACATION HOMEWORK
CLASS X A and X B (SESSION 2022-23)

SUBJECT- PHYSICS

Write the answer to following questions in your homework notebook.

1. Define the principal focus of a concave mirror.
2. The radius of curvature of a spherical mirror is 20cm. what is its focal length.
3. Name the mirror that can give an erect and enlarged image of an object.
4. Write down the important uses of concave and convex mirror.
5. Draw ray diagram of image formation due to convex mirror.
6. Why do we prefer a convex mirror as a rear-view mirror in vehicles?
7. Write the expression for mirror formula and magnification.
8. A convex mirror is used for rear-view on an automobile has a radius of curvature of 3.0 m. if a bus is located at 5.00 m from this mirror, find the position, nature and size of the image.
9. An object 4.0 cm in size is placed at 25.0 cm. At what distance from the mirror should a screen be placed to obtain a sharp image? Find the nature and size of the image.
10. Find the focal length of a convex mirror whose radius of curvature is 32 cm.
11. A concave mirror produces three times magnified (enlarged) real image of an object placed at 10 cm in front of it. Where is the image located?
12. Name the type of the mirror used in following situations.
 - (a) Headlights of a car.
 - (b) Side/rear view mirror of a vehicle.
 - (c) Solar furnace.
13. An object 5cm in length is held 25 cm away from a converging lens of focal length 10 cm. Draw the ray diagram and find the position, size and nature of the image formed.
14. The magnification produced by a plane mirror is +1 what does that mean.
15. An object is placed at 10cm from a convex mirror of focal length 15cm. Find the position and nature of the image.

Kendriya Vidyalaya Panna

Summer Holiday Home Work (2022-23)

Class X

1. What did Liberal Nationalism stand for? Explain any four ideas of Liberal Nationalists in the economic sphere.
2. Describe any five measures which were introduced by the French Revolutionaries to create a sense of collective identity amongst the French people.
3. The future generation may not have sufficient resources as compared to the present generation". Justify the statement by giving suitable examples.
4. Imagine if the oil supply gets exhausted one day, how would this affect our life style? Explain.
5. Prepare a list of resources found in your state and also identify the resources that are important but deficit in your state.
6. Make a chart showing consumption and conservation of resources in your locality.
7. Locate the different types of soil in an outline map of India.

Project work

Topic: Consumer Awareness

OR

Social Issues

OR

Sustainable Development.

The following steps will be taken for project work:-

- a. Students sign a certificate claiming that the project work is original.
- b. Acknowledgments.
- c. Data- Collection or survey.
- d. Analysis of data- quantitative and qualitative.
- e. Reporting (writing)
- f. Conclusion/ prediction.
- g. Bibliography- mention all references.

Project work should include the following.

- There should be a group of four to five students for the project work.
- The compilation of the report should be 20 to 25 pages.
- The project should include drawing, graphs, depicting shadow drawings.
- The main content of the project should be primary data.
- The project should be taken up in an eco friendly manner using readily available local resources without any financial burden on parents or guardians.

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Project work should not include copying content from text books or taking print from the Internet, cutting and pasting information from the Internet.

SUMMER VACATION HOMEWORK CLASS X (A+B)

1. REVISE AND LEARN THE ENGLISH BRIDGE COURSE DONE TILL APRIL.
2. LEARN AND WRITE ANSWERS OF TWO LONG ANSWER TYPE QUESTIONS IN YOUR NOTEBOOK FROM EACH LESSON 'A LETTER TO GOD' AND 'NELSON MANDELA'.
3. PRACTICE OF ONE PISA ITEM QUESTIONS AND WRITE THEIR ANSWERS IN YOUR NOTEBOOK.
4. WRITE ONE EXAMPLE OF EACH-(A) LETTER OF INQUIRY (B) LETTER OF PLACING AN ORDER (C) LETTER TO THE EDITOR
5. MY DICTIONARY-COLLECT 30 NEW WORDS FROM NEWS PAPERS AND STORY BOOKS. ALSO WRITE THEIR MEANING AND USE THEM IN SENTENCES.
6. PREPARE A TENSE CHART AND WRITE EXAMPLE OF EACH TENSE.
7. PREPARE A MODALS CHART AND WRITE TWO EXAMPLES OF EACH.
8. WRITE 20 EXAMPLES RELATED TO SUBJECT- VERB CONCORD.
9. WRITE AN ANALYTICAL PARAGRAPH (100-120 WORDS) BASED ON MAP/CHART/GRAPH/CLUES.
10. PROJECT WORK- PREPARE THE BIO SKETCH OF YOUR FAVOURITE ENGLISH WRITER OR POET.

Kendriya Vidyalaya Panna

Summer vacation

Homework(2022-23)

- Q .1 what is the term molarity. ?
- Q.2 what is the sum of mole fraction of all the components in a three component system?
- Q.3 discuss biological and industrial importance of osmosis?
- Q.4 State Raoult's Law for a solution containing a non volatile solute?
- Q.5 what type of liquids form non ideal solution?
- Q.5 state one application of Henry's law in everyday life?
- Q.6 define azeotropic mixture?
- Q.7 define cryoscopic constant?
- Q.8 what is an antifreeze name one substance which is used as an antifreeze?
- Q.9 explain why the boiling points of a solvent are increased on dissolving a nonvolatile solute into it.
- Q.10 give an example of solid solutions in which the solute is gas?
- Q.11 what is the difference between osmotic pressure and osmosis?
- Q.12. Write four differences in solution having positive deviation and solution having negative deviation
- Q.13 define the hypotonic and hypertonic solution
- Q.14 write three differences between ideal and non ideal solution.
- Q.15 what is abnormal molecular mass
- Q.16 osmotic pressure of a solution a colligative property? Explain.
- Q.17 state the conditions for reverse osmosis.
- Q.18 explain boiling point elevation constant for solvent.
- Q.19 Define van't Hoff factor.
- Q.20 what is the term mole fraction.

KENDRIYA VIDYALAYA PANNA (M.P.) - 488001

Summer Vacation Home Work – 2022-23

Subject - Computer science

1. What is indexing in context to python string s? Why is also called two way indexing ?
2. What is a string slice ? How is it useful ?
3. Find and write the output of the following python code:

```
X = "abcdef"
```

```
l = "a"    While i in
```

```
x :      print
```

```
(i,end="")
```

4. Write a program that takes a string with multiple words and then capitalizes the first letter of first letter of each word and forms a new string out of it .
5. Write a program that reads a string and checks whether it is a palindrone string or not.
6. How are lists different from strings when both are sequence ?
7. What will be the output of the following code snippet ?

```
Values = []
```

```
For i in range (1,4):
```

```
Values.append(i)
```

```
print (values)
```

8. Predict the output of following code fragment:

```
Fruit = {}
```

```
F1 = ['Apple', 'banana', 'apple', 'banana']
```

```
For index in F1
```

```
If index in F1:
```

```
Fruit [index]+=1
```

```
Else:
```

```
Fruit [index]=1
```

```
Print (fruit) print
```

```
(len(fruit))
```

9. Can tuples be nested ?
10. How are dictionaries different from lists ?
11. When are dictionaries more useful than lists ?
12. What do you understand by mutability ? What does “in place” task mean ?
13. What are the two ways to add something to a list ? How are they different ?
14. What are the two way to remove something to a list ? How are they different ? 15.

What is the difference between a list and a tuple

16. What is the difference between (30) and (30,) ?
17. Write a python statement to a declare a dictionary named class roll with keys as 1,2,3 and corresponding values as 'Reena','Rakesh','Zareen' respectively.
18. Dictionary is a mutable type ,which means you can modify its contents ? What all is modifiable in a dictionary ? Can you modify the key of a dictionary?
19. What will be the output produced by following code fragments ?

```
A. y = str(123) x =
```

```
“hello”*3
```

```
print (x,y)
```



```
x = "hello"+"world" y
```

```
= len(x)
```

```
print (y,x)
```

B. x = "hello"+\

```
"to python"+\
```

```
"world"
```

```
for char in x : Y =
```

```
char print
```

```
(y,':',end="")
```

C. X="helloworld"

```
print (x[:2],x[:-2],x[-2:])
```

```
print (x[6],x[2:4]) print
```

```
(([-3],x[-4:-2])
```

20. Predict the output of the following code snippet ? A.arr =[1,2,3,4,5,6] For i in

```
range(1,6): Arr[i-1]=arr[i] For l in range(0,6):
```

```
Print (arr[i],end="")
```

```
B.number = [9,18,27,36]
```

```
For num in Numbers:
```

```
For N in range(1,num% 8):
```

```
Print( N,"#",end="")
```

```
Print ()
```

21. Find the errors state reasons

A. T = (1,"a",9.2) T[0]

= 6

B. T = [1,"a",9.2]

C. T = [1,"a",9.2] T

[4]=6

D. T= 'hello '

T[0]="H"

E. For Name in [

Amar,Shveta,Para

g] IF Name [0]='S':

Print (Name)

22. What will be the output of the following code snippet ? my_dict={} my_dict[(1,2,4)]=8

my_dict[(4,2,1)]=10 my_dict[(1,2)]=12 Sum = 0 For k in my_dict:

Sum+=my_dict[k]

Print(sum)

Print (my_dict)

23. Write a program that should prompt the user to type some sentence (s) followed by

"enter". It should then print the original sentence (s) and the following statistics relating to the sentence (s):

Δ Number of words

Δ Number of characters (including white-space and punctuation)

Δ percentage of characters that are alpha numeric.

24. Why can't lists be used as key?

KENDRIYA VIDYALAYA PANNA M.P.

SUMMER VACATION HOMEWORK

SESSION 2022-23

Subject- English Core

Class XII

Homework: (Use English Homework Notebook)

Q1: Comment on the appropriateness of the title 'The Last Lesson'. (200 words)

Q2: Write 2 Job Application letters and 2 Letters to the Editor.

Q3: Why it is important to keep one's language alive? What are the reasons behind extinction of many languages?

Q4: Read the poem "Keeping Quiet", and write down the figure of speech used in this poem?

Project Work: (Use separate file)

Q1: Write a speech on "How Mobile phones and other technical devices are being used for Education".

Q2: Write an Essay on "Cyber Crime and Safety Measures against it."

Q3: Due to the Lockdown in all over the world, the unhealthy junk food habits, living in artificial environment and lifestyle suddenly replaced by traditional healthy diets and people move to adopt natural lives are increased. Write an Article in 150-200 words on "The Healthy Habits to lead a healthy life".

Q4: Recently you went to visit your native village, you saw that some of the children in the age group 5 to 14 (the age at which they should have been at school remained at home were walking in the field over simply loitering in the street) write a letter to editor of a national Daily analysing the problem and offering solution to it.

Q5: Write your experience of summer vacations mentioning how you spent that period. You may paste pictures too. Try to include some interesting events that happened to you or any new experience you have, etc.

*Read all the lessons thoroughly in summer vacation that is prescribed in your syllabus.

केन्द्रीय विद्यालय पन्ना, म.प्र.

कक्षावार परियोजना कार्य / नवीन उपायों / नए प्रयोगों का विवरण (पाठ्यपुस्तक के अंतर्गत दी गई सूची के आधार पर)

कक्षा 12वीं (हिन्दी)

क्रमांक	परियोजना कार्य	शिक्षापरक शिक्षण का उद्देश्य
1.	बाल विवाह अथवा बेमेल विवाह अथवा सामाजिक परम्पराओं का समाज की प्रगति पर प्रभाव विषय पर एक परियोजना कार्य	'भक्तिन' एवं 'काले मेघा पानी दे' पाठ के आधार पर परम्पराओं का वैज्ञानिक युग में मूल्यांकन ।
2.	समय समायोजन का महत्व	'दिन जल्दी-जल्दी ढलता है' पाठ के आधार पर समय के महत्व को स्पष्ट करना ।
3.	नकली समान पर नकेल जरूरी अथवा भारतीय बाजार का बदला स्वरूप	बाजार दर्शन पाठ के आधार पर योग्यता, गुणवत्ता और मूल्य की समझ पर आधारित ।
4.	पीढ़ी के अंतराल के प्रमुख कारण एवं निवारण	'सिल्वर वेडिंग' पाठ के आधार पर संयुक्त परिवार के विखंडन पर एक विचारात्मक लेख ।

मूल्यांकन विधि:- (कुल-05 अंक)

1-विषयवस्तु- 02 अंक

2-भाषा एवं प्रस्तुति - 01 अंक

3-शोध एवं मौलिकता- 02अंक

परियोजना कार्य में ध्यान देने योग्य बातें :-

1-आपके परियोजना कार्य की शब्द सीमा 2000 शब्द से कम न हो।

2-बाएँ पृष्ठ पर चित्र एवं दाएँ पृष्ठ पर लेखन कार्य होना चाहिए ।

3- जमा करने की तिथि- 03/01/2022 (शैत अवकाश के बाद)

विषय-अध्यापक

जितेन्द्र प्रताप सिंह

स्नातकोत्तर शिक्षक हिन्दी

HOLIDAY HOMEWORK SESSION 2022-23

CLASS XII A SUBJECT-BIOLOGY

- 1. To complete practical writing work in practical notebook as per the syllabus issued by c.b.s.e. for the session 2022-23.***
- 2. To complete Investigatory project record to each and every student individually.***

KENDRIYA VIDYALAYA, PANNA (M.P.)

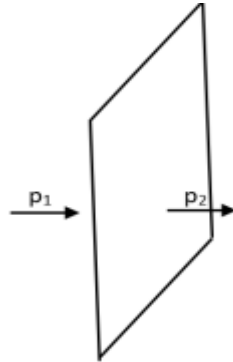
Summer Vacation Homework

Session 2022-23

Subject- Physics, Class- XII A

Q.1 A particle, having a charge $+5 \mu\text{C}$, is initially at rest at the point $x = 30 \text{ cm}$ on the x axis. The particle begins to move due to the presence of a charge Q that is kept fixed at the origin. Find the kinetic energy of the particle at the instant it has moved 15 cm from its initial position if (a) $Q = +15 \mu\text{C}$ and (b) $Q = -15 \mu\text{C}$

Q.2 An electric dipole is kept first to the left and then to the right of a negatively charged infinite plane sheet having a uniform surface charge density. The arrows p_1 and p_2 show the directions of its

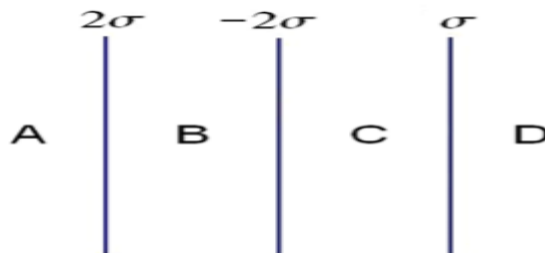


electric dipole moment in the two cases.

Identify for each case, whether the dipole is in stable or unstable equilibrium. Justify each answer.

Q.3. State Gauss's law in electrostatics. Show that with help of suitable figure that outward flux due to a point charge Q , in vacuum within gaussian surface, is independent of its size and shape.

In the figure there are three infinite long thin sheets having surface charge density $+2\sigma$, -2σ and $+\sigma$ respectively. Give the magnitude and direction of electric field at a point to the left of sheet of charge density $+2\sigma$ and to the right of sheet of charge density $+\sigma$.



Q.4. a) Define an ideal electric dipole. Give an example.

b) Derive an expression for the torque experienced by an electric dipole in a uniform electric field. What is net force acting on this dipole.

c) An electric dipole of length 2 cm is placed with its axis making an angle of 60° with respect to uniform electric field of 10^5 N/C . If it experiences a torque of $8\sqrt{3} \text{ Nm}$, calculate the magnitude of charge on the dipole, and its potential energy.

Write down the following experiments and activities in your practical notebook.

1. To determine resistivity of two / three wires by plotting a graph for potential difference versus current.
2. To find resistance of a given wire / standard resistor using metre bridge.
3. To verify the laws of combination (series) of resistances using a metre bridge.
4. To determine resistance of a galvanometer by half-deflection method and to find its figure of merit.
5. To find the value of v for different values of u in case of a concave mirror and to find the focal length.
6. To find the focal length of a convex mirror, using a convex lens.
7. To find the focal length of a concave lens, using a convex lens. To find the focal length of a convex lens by plotting graphs between u and v or between $1/u$ and $1/v$.
8. To determine angle of minimum deviation for a given prism by plotting a graph between angle of incidence and angle of deviation.

Activities

1. To assemble a household circuit comprising three bulbs, three (on/off) switches, a fuse, and a power source.
2. To assemble the components of a given electrical circuit.
3. To draw the diagram of a given open circuit comprising at least a battery, resistor/rheostat, key, ammeter, and voltmeter. Mark the components that are not connected in proper order and correct the circuit and the circuit diagram.
4. To identify a diode, an LED, a resistor, and a capacitor from a mixed collection of such items.
5. To observe diffraction of light due to a thin slit.
6. To obtain a lens combination with the specified focal length by using two lenses from the given set of lenses.

Q. Write down one investigatory project from the list of suggested investigatory projects.

Summer Vacation Home Work

Maths (MATRICES) class - XII

1. If $A = \begin{pmatrix} i & 0 \\ 0 & -1 \end{pmatrix}$ and $B = \begin{pmatrix} 0 & i \\ i & 0 \end{pmatrix}$, show that $AB \neq BA$
2. Find a matrix X , for which $\begin{bmatrix} 5 & 4 \\ 1 & 1 \end{bmatrix} X = \begin{bmatrix} 1 & -2 \\ 1 & 3 \end{bmatrix}$
3. If $A = \begin{pmatrix} 2 & 3 \\ 4 & 5 \end{pmatrix}$, prove that $A - A^T$ is a skew-symmetric matrix.
4. If $A = \begin{bmatrix} 3 & -2 \\ 4 & -2 \end{bmatrix}$ find 'k' for $A^2 = kA - 2I$
5. If A and B are symmetric matrices, show that AB is symmetric, if $AB = BA$.
6. For what value of 'k' the matrix $\begin{bmatrix} k & 2 \\ 3 & 4 \end{bmatrix}$ has no inverse.
7. Express the matrix $A = \begin{bmatrix} 6 & 1 & -5 \\ -2 & -5 & 4 \\ -3 & 3 & -1 \end{bmatrix}$ as a sum of symmetric and skew-symmetric matrices.
8. If $A = \begin{pmatrix} \cos \theta & i \sin \theta \\ i \sin \theta & \cos \theta \end{pmatrix}$, then prove by principle of Mathematical induction that $A^n = \begin{pmatrix} \cos n\theta & i \sin n\theta \\ i \sin n\theta & \cos n\theta \end{pmatrix}$
9. If $A = \begin{pmatrix} 2 & 3 \\ 1 & 2 \end{pmatrix}$, evaluate $A^3 - 4A^2 + A$
10. If $f(x) = \begin{bmatrix} \cos x & -\sin x & 0 \\ \sin x & \cos x & 0 \\ 0 & 0 & 1 \end{bmatrix}$, show that $f(x) f(y) = f(x + y)$
11. By using elementary transformations, find the inverse of $A = \begin{bmatrix} 0 & 1 & 2 \\ 1 & 2 & 3 \\ 3 & 1 & 1 \end{bmatrix}$
12. Show that the matrix $A = \begin{pmatrix} 3 & 1 \\ -1 & 2 \end{pmatrix}$ satisfies the equation $A^2 - 5A + 7I = 0$.
Hence find A^{-1} .

Kendriya Vidyalaya Panna

HOLIDAY HOMEWORK FOR SUMMER VACATION

CLASS - XII

SUBJECT - ACCOUNTANCY

- PROJECT WORK
- JOURNAL ENTRY
- LEDGER
- TRIAL BALANCE
- FINANCIAL ACCOUNTING

SUBJECT- BUSINESS STUDIES

- PROJECT WORK.(TOPIC)
- BUSINESS ENVIRONMENT
- FAYOL"S PRINCIPAL OF MANAGMENT
- MARKETING MANAGMENT
- STOCK EXCHANGE

KENDRIYA VIDYALAYA PANNA M.P.

SUMMER VACATION HOMEWORK

SESSION 2022-23

Subject- English Core

Class XII

Homework: (Use English Homework Notebook)

Q1: Comment on the appropriateness of the title 'The Last Lesson'. (200 words)

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*Read all the lessons thoroughly in summer vacation that is prescribed in your syllabus.

केन्द्रीय विद्यालय पन्ना, म.प्र.

कक्षावार परियोजना कार्य / नवीन उपायों / नए प्रयोगों का विवरण (पाठ्यपुस्तक के अंतर्गत दी गई सूची के आधार पर)

कक्षा 12वीं (हिन्दी)

क्रमांक	परियोजना कार्य	शिक्षापरक शिक्षण का उद्देश्य
1.	बाल विवाह अथवा बेमेल विवाह अथवा सामाजिक परम्पराओं का समाज की प्रगति पर प्रभाव विषय पर एक परियोजना कार्य	'भक्तिन' एवं 'काले मेघा पानी दे' पाठ के आधार पर परम्पराओं का वैज्ञानिक युग में मूल्यांकन ।
2.	समय समायोजन का महत्व	'दिन जल्दी-जल्दी ढलता है' पाठ के आधार पर समय के महत्व को स्पष्ट करना ।
3.	नकली समान पर नकेल जरूरी अथवा भारतीय बाजार का बदला स्वरूप	बाजार दर्शन पाठ के आधार पर योग्यता, गुणवत्ता और मूल्य की समझ पर आधारित ।
4.	पीढ़ी के अंतराल के प्रमुख कारण एवं निवारण	'सिल्वर वेडिंग' पाठ के आधार पर संयुक्त परिवार के विखंडन पर एक विचारात्मक लेख ।

मूल्यांकन विधि:- (कुल-05 अंक)

1-विषयवस्तु- 02 अंक

2-भाषा एवं प्रस्तुति - 01 अंक

3-शोध एवं मौलिकता- 02अंक

परियोजना कार्य में ध्यान देने योग्य बातें :-

1-आपके परियोजना कार्य की शब्द सीमा 2000 शब्द से कम न हो।

2-बाएँ पृष्ठ पर चित्र एवं दाएँ पृष्ठ पर लेखन कार्य होना चाहिए ।

3- जमा करने की तिथि- 03/01/2022 (शैत अवकाश के बाद)

विषय-अध्यापक

जितेन्द्र प्रताप सिंह

स्नातकोत्तर शिक्षक हिन्दी



Home works for summer vacation Subject - Economics Class – 12th B

1. Students will complete one project that should be of 3,500-4000 words (excluding diagrams & graph), preferably hand-written. It will be an independent, self directed piece of study.

2. The whole project will be secure 20 marks, it includes Introduction of topic; Identifying the causes, consequences and remedies; Advantage and disadvantage of situation or issues identified, Short-term and long-term implications of economic strategies suggested in the course of research; Validity, reliability, appropriateness and relevance of data used for research work and presentation in the project file; presentation and writing that is succinct and coherent in project file, citation of the material referred to in the file in footnotes, resources section, bibliography etc.

3. Suggestive list of projects-

- A. Role of RBI in control of credit { Roll no. 1-5 }
- B. Human Development Index { Roll no. 6-10 }
- C. Organic Farming { Roll no. 11-15 }
- D. Exchange Rate Determination Method & Technique { Roll no. 16-20 }
- E. Inclusive Growth Strategy { Roll no. 21-25 }
- F. Government Budget and its components { Roll no. 25-31 }

4. Pre-reading of Unit 3 ‘National Income and Related Aggregates’.

Unit: 1 Money and Banking-

5. Some short answer type Questions:

- i. What is the difference between CRR and SLR?
- ii. Explain the ‘acceptance of deposits’ function of commercial banks?
- iii. What is meant by open market operations? Briefly describe their effect on credit creation by commercial bank?

iv. Differentiate between representative full bodied money and credit money

6. Long answer type questions:

- i. Define money supply. Explain different measures of money supply used by RBI in India?
- ii. What are the main functions of money?
- iii. Define barter system. What are the drawbacks of barter system?
- iv. State the basic difference between quantitative and qualitative instruments of credit control. Give suitable examples?
- v. How do commercial banks contribute to the process of growth and development?

Unit 2: Government Budget and Economy-

7. Short answer type questions:

- i. What is fiscal deficit? What are its implications?
- ii. Explain the 'economic stability' objective of a government budget?
- iii. Distinguish between 'fiscal deficit' and 'revenue deficit'. What does fiscal deficit indicate?
- iv. State the basis of classifying government expenditure into revenue and capital expenditure? Give an example of each?

8. Long answer type questions:

- i. Discuss the meaning and significance of fiscal deficit for an economy
- ii. Distinguish between progressive and regressive taxation in term of their effect on the rich and the poor?
- iii. Discuss the significance of deficit financing (or borrowing) as a means to cope with budgetary deficit.
- iv. What are the objectives of budget?
- v. In an economy where additional tax revenue of the government is equal to additional expenditure by the government, would there be any impact on national income? Example with diagram?

SUMMER VACATION HOLIDAY HOMEWORK SESSION (2022-23) ASSIGNMENT

Profit & Loss Account For the year ended 31 st March 2015				6
Dr.			Cr.	
Particulars	Rs.	Particulars	Rs.	
To Managers commission 10%	12,000	By profit for the year	.....
To net profit transfer to: Profit & Loss Appropriation a/c -----	 -----	

1

Profit & Loss Appropriation Account For the year ended 31 st March 2015							
Dr.							Cr.
Particulars	Rs.		Particulars	Rs.			
To Interest on Capital @ 8% p.a. A 24,000 B 16,000	..... -----		By profit & loss Account	.....		
To salary to B	.....					
To profit transfer to Capital Accounts: Rs.							
A 3/5 							
B 2/5 20,000 -----						

Partners Capital Account For the year ended 31 st March 2015								
Dr.							Cr.	
Particulars	(A)	Rs.	(B)	Rs.	Particulars	(A)	Rs.	(B)Rs.
To Balance c/d	.....		.....		By Balance b/d	.....		.....
					By Interest on Capital	.....		.....
					By Salary	.....		.....
					By P&L Appropriation a/c -----	 -----

CLASS – XII

1	<p>P, Q and R are partners in a firm. Their capital accounts stood at Rs.30,000, Rs.15,000 and Rs.15,000 respectively on 1stApril,2015.</p> <p>As per the provision of the deed: (1) R was to be allowed a remuneration of Rs.3,000 per annum, (2) Interest @5% p.a. was to be provided on capital and Profits were to be divided in the ratio of 2:2:1. Ignoring the above terms, net profit of Rs.18,000 for the year ended 31stMarch,2016 was divided among the three partners equally.</p> <p>Pass an adjustment entry to rectify the error. Show the working clearly</p>	4
2	<p>Mona, Nisha and Priyanka were partners sharing profits and losses equally. Their respective capitals wereRs.30,000, Rs.20,000 andRs.10,000. After closing the accounts for the year 2019 it was discovered that the interest on capital at the rate 6% p.a. was omitted before distributing the profits. Instead of changing the audited balance sheet it was decided to pass a single adjusting entry in the beginning of the year, so that the accounts of the previous years can be rectified. Pass the journal entry and show the working notes</p>	3
3	<p>Ram, Shyam, Ghanshyam and Radheshyam are partners sharing profits and losses on the ratio of 4:3:3:2. Their respective <u>fixed capitals</u> on 31st March, 2016 were Rs. 1,20,000, 1,80,000,2,40,000 and Rs. 1,80,000 respectively. After preparing the final accounts for the year ended 31st March, 2016, it was discovered that interest on capital @ 12% per annum was not allowed and interest on drawings amounting to Rs. 4,000, Rs. 5,000, Rs. 3,000 and Rs. 2,400 respectively was also not charged.Pass the necessary adjustment journal entry showing your working clearly.</p>	4
4.	<p>Ravi and Mohan were partner in a firm sharing profits in the ratio of 7:5. Their respective fixed capitals were Ravi Rs. 10,00,000 and Mohan Rs. 7,00,000. The partnership deed provided for the following:-</p> <p>(i) Interest on capital @ 12% p.a.</p> <p>(ii) Ravi's salary Rs. 6000 per month and Mohan's salary Rs. 60000 per year. The profit for the year ended 31-03-2016 was Rs. 5,04,000 which was distributed equally without providing for the above. Pass an adjustment entry.</p>	4
5	<p>Sharma and Gupta decided to start a partnership firm to manufacture low cost jute bags as plastic bags were creating many environmental problems. They contributed capitals of 1,00,000 and 50,000 on 1st April, 2015 for this. Sharma expressed his willingness to admit Shakti as a partner without capital, who is specially abled but a very creative and intelligent friend of his. Gupta agreed to this. The terms of partnership were as follows :</p> <p>Sharma, Gupta and Shakti will share profits in the ratio of 2 : 2 : 1.</p> <p>Interest on capital will be provided @ 6% p.a.</p> <p>Due to shortage of capital, Sharma contributed Rs. 25,000 on 30th September, 2015 and Gupta contributed 10,000 on 1st January, 2016 as additional capital. The profit of the firm for the year ended 31st March, 2016 was Rs. 1,68,900.</p> <p>a) Prepare Profit and Loss Appropriation Account for the year ending 31st March, 2016</p>	3
6	<p>A , and B are partners sharing profit in the ratio 3:2 with capitals of Rs. 5,00,000 and Rs. 3,00,000 respectively. Interest on capital is agreed @ 6% p.a. B is to be allowed an annual salary of Rs.25,000. During 2015 the profits of the year prior to calculation of interest on capital but after charging B's salary amounted to Rs.1,25,000 .A provision of 5% of the profits is to be made in respect of managers commission.</p> <p>Prepare Profit and loss Appropriation account.</p>	3

7	A business has earned average profit of Rs. 100000. During the last few years and normal rate of return in similar business is 10%. Find out the value of Goodwill by (i) Capitalisation of super profit method (ii) Super profit method if the goodwill is valued at 3 years purchase of super profit. Assets of the business were Rs. 1000000 and its external liabilities Rs. 180000	4
8	Mona, Nisha and Priyanka are partners in affirm. They contributed Rs 50,000 each as capital three years ago. At that time Priyanka agreed to look after the business as Mona and Nisha were busy. The profits for the past three years were Rs 15,000, Rs25,000 and Rs50,000 respectively. While going through the books of accounts;Mona noticed that the profit had been distributed in the ratio of 1:1:2, when she enquired from Priyanka about this, Priyanka answered and that since she looked after the business she should get more profit. Mona disagreed and it was decided to distribute profit equally respectively for the last three years. (a) You are required to make necessary corrections in the books of accounts of Mona, Nisha and Priyanka by passing an adjustment entry	4
9.	A and B were partners sharing ratio 3:2.they admitted C for 1/5 th share in firm .C is guaranteed a minimum profit of 2,00,000 for the year any deficiency in C'S share is to be borne by A and B in the ratio of 4:1 .LOSS for the year was 1,00,000.PASS NECESSARY JOURNAL ENTRIES	
Q 10	A, B and C were partners in the ratio of 5:4:1. On 31 st Dec. 2006 their balance sheet showed a reserve fund of Rs. 65,000, P&L A/C (Loss) of Rs. 45,000. On 1 st January, 2007, the partners decided to change their profit sharing ratio to 9:6:5. For this purpose goodwill was valued at Rs. 1,50,000. The partners do not want to distribute reserves and losses and also do not want to record goodwill. You are required to pass single journal entry for the above.	

Questions carrying 6 marks each

1	Anwar, Bisvas and Divya are partners in a firm. Their capital accounts stood at Rs.8,00,000,Rs.6,00,000 andRs.4,00,000 respectively on 1 st april,2015. They shared profits and losses in the ratio of 3:2:1 respectively. Partners are entitled to interest on Capital @ 6% per annum and salary to Bisvas and Divya @Rs.4,000 per month andRs.6,000 per quarter respectively as per the provisions of partnership deed. Biswas's share of profit including interest on capital but excluding salary is guaranteed at a minimum of Rs.82,000 p.a. Any deficiency arising on that account shall be met by Divya. The profits for the year ended 31 st march,2016 amounted toRs.3,12,000. Prepare profit and loss appropriation account and journal entries for the year ended 31 st march, 2016.	6
2	X, Y and Z were partners in a firm. Their capitals on 01.04.2015 were; X Rs. 2,00,000 , Y Rs. 2,50,000 and Z Rs. 3,00,000. the partnership deed provided for the following: (i) they will share profits in the ratio of 2 : 3 : 3. (ii) X will be allowed a salary of Rs. 12,000 p.a. (iii) Interest on capital will be allowed @ 12% p.a. During the year X withdrew Rs. 28,000 Y Rs. 30,000 and Z Rs. 18,000. for the year ended 31.3.2016 the firm earned a profit of Rs. 5,00,000. Prepare profit and loss Appropriation account and partners capital accounts.	6
3	ANIL, SANDHYA and NEETU are partners in a firm on 1 st april 2015 the balance in their capital accounts stood at Rs.14,00,000, Rs.6,00,000 and Rs.4,00,000 respectively. They shared profits in the proportion of 7:3:2 respectively. Partners are entitled to interest on capital @ 6%	6

	<p>p.a. and salary to Sandhya @ Rs.50,000 p.a. and a commission of Rs.3,000 per month to Neetu as per the provision of the partnership deed. Sandhya share of profit (excluding int. on capital) is guaranteed at not less than Rs.1,70,000 p.a. Neetu's shares of profit (including int. on capital but excluding salary) is guaranteed at not less than Rs. 1,50,000 p.a. any deficiency arising on that account shall be met by ANIL. The profit of firm for the year ended 31st march 2013 amounted to Rs.9,50,000. Prepare profit and loss appropriation account and necessary journal entries for the year ended 31st march 2016.</p>	
4	<p>Anand and Sonu were childhood friends and colleagues in a company who were thinking of starting something of their own someday. On 1st Jan, 2015 they thought of starting a stationary depot for the financially backward children of their area. They also admitted Manoj a differently abled educated youth who was unemployed as a partner of their firm without any capital contribution. Somu also approached RohitKaul from Jammu, who was also eager to start something of this sort having lot of funds at his disposal, and persuaded him to join them.</p> <p>The following terms were agreed upon:</p> <p>i) Anand, Sonu and Rohit will contribute 30,000; 50,000 and 400,000 respectively as capital.</p> <p>ii) Profit will be shared equally.</p> <p>iii) Interest on capital will be allowed @ 5% p.a.</p> <p>The Profits of the firm for the year ended 31st Dec 2015 were 50,000.</p> <p>Prepare Profit & Loss Appropriation Account and capital account of the firm for the year</p>	6
5	<p>(a) X, Y and Z were sharing profits and losses in the ratio of 5:3:2. They decided to share future profits and losses in the ratio of 2:3:5 with effect from 1st April, 2015. They decided to record the effect of the following, without affecting their book values:</p> <p>(i) Profit and Loss Account Rs.24,000</p> <p>(ii) Advertisement Suspense Account Rs.12,000</p> <p>Give adjustment entry for the above items.</p> <p>(b) On 1st April,2014 an existing firm had assets of Rs. 75000 including cash of Rs. 5000 The partners capital account showed a balance of Rs.60000 and the reserve constituted the rest. If the normal rate of return is 10% and goodwill of the firm is valued at Rs.24000 at four years purchase of super profit find the average profit of the firm.</p>	3 3