

Kendriya Vidyalaya CRPF Mokamaghat

Summer Vacation Holiday Homework (2023-24)

CLASS - 2

ENGLISH:-

1. Write 10 doing words (Action Words). Also paste the pictures.
2. Learn the poem First day at school.
3. Write few lines on your favourite animals or birds. Also paste the pictures.
4. Reading is good habit.read two stories and write the names of your favourite character from stories.
5. Read chapter 1 to3 and complete the book work.
6. Revise all the work given to you till now and learn it.

MATHEMATICS:-

1. Make a chart and draw 8 things which can roll and slide
2. Write and learn number names 1 to 100.
3. Write and learn table 2 to 15.
4. Make an abacus model using beads and sticks.
5. Revise all the work given to you till now and learn it.

E.V.S.:-

1. Draw picture of your hand, identify and write your finger name. (thumb, index finger, middle finger, ring finger and little finger)
2. Paste or draw picture of four internal organs of your body and write one line about it.
3. Name the part of your body that helps in-

Testing -

Smelling -

Hearing -

Seeing -

Feeling -

4. Write any five activities of -

Your legs-

Your hands-

5. How many members are there in your family. Write their name and relations.

6. Draw picture, colour and right 10 vegetable and 10 fruits names.

7. Write the name of four things which you take in-

Breakfast -

Lunch -

Dinner -

HINDI:-

1. रोजाना हिंदी पाठ्यपुस्तक का एक पेज पढ़ना तथा 10 पेज सुलेख लिखना !

2. किन्हीं पांच जानवरों का चित्र बनाएं तथा उनके नाम लिखें !

3. वर्णमाला के हर अक्षर से तीन-तीन शब्द लिखें !

4. एक पौधा लगाएं व प्रतिदिन उसमें पानी दे !

5. 5 (पांच) बोज़ ढोने वाले जानवरों के नाम लिखें और चित्र चिपकाएं !

(नोट:-ग्रीष्मावकाश गृहकार्य के सारे कार्य अपने कक्षा-कार्य की पाठ्य पुस्तिका में ही करें!)

CLASS - 3

ENGLISH:-

1. Imagine you have a big garden. What would it look like ? Draw a picture in your notebook.
2. Write a short paragraph on your best friend.
3. Let's find two things which you can do and the birds can't do.
4. Learn and practice Q/A of ch-- 1 , 2 and 3. Also write the 10 pages writing beautifully.

MATHEMATICS:-

1. Learn and write the multiplicative tables from 2 to 15.
2. Observe the various objects/things in your house and draw the top view/side view and front view of any 5 objects.
3. write numbers from 501 to 1000 in figures and words.
4. Paste the cutouts 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.
5. Mask making activity: Make the mask of an animal (refer page no.12 of math magic)

E.V.S.:-

1. Observe any 3 animals in your surrounding (e.g.: ants, lizard, bee, dog, birds etc.) and draw them. Also write any one thing that you observed about them.
2. Collect 3 different types of leaves. Let them dry by covering them with newspaper and paste it on a sheet and write their name also.
3. Make a poster on "SAVE WATER" and write 5 ways by which we can save water. (Learn them also)
4. Read chapter 1 to 3 and complete the book work.
5. Revise all the work given to you till now and learn it.

(Note: Do all the work in class work copy.)

HINDI:-

1. दस पेज सुलेख लिखिए और पढ़ें ।
2. कककू कविता अपने कॉपी पर लिखिए और याद कीजिए ।
3. कककू और शेखीबाज मकखी प्रश्न उत्तर लिखिए और याद कीजिए ।
4. मन करता है कविता कॉपी पर लिखिए और याद कीजिए ।

परियोजना कार्य:-

1. चार्ट पेपर पर दस जानवर का चित्र बनाए या चिपकाए और उनकी बोलियां लिखिए ।
2. चार्ट पेपर पर आ ई ऊ से अं तक सभी मात्रा के दस दस शब्द लिखिए और याद कीजिए ।

CLASS - 4

ENGLISH:-

1. Write one Page daily in your best handwriting.
2. Write about your daily routine during summer vacation (atleast 5 lines).
3. Write two new words daily and remember.
4. Write an application for four days leave on account of aunt's marriage.
5. Remember both the poems (WAKE UP! & NOSES) with correct pronunciation.

MATHEMATICS:-

1. Make any two floor patterns using colour paper and stick it .
2. Make a house and show different types of jaali patterns, Jharokhaa window and Ghoonghat wali mehrab .
3. Make a colourful Indian place value chart and International place value chart in your notebook.
4. Revise all the work given to you till now and learn it.

E.V.S.:-

1. Draw or paste 5 pictures of animals, which are used as transport means.
2. With the use of paper make, paper elephant.
3. Locate these states in the India map.
(a) Jammu Kashmir (b) Ladakh (C) Uttrakhand
(d) Rajasthan (e) Gujarat (f) kerala
4. Draw or paste the pictures of 5 medicinal plants.
5. Revise all the work given to you till now and learn it.

HINDI:-

1. प्रतिदिन एक पेज सुलेख लिखिए तथा प्रतिदिन एक पेज पढ़िए।
2. 20 मुहावरे लिखिए तथा उनके अर्थ लिख कर उनका वाक्यों में प्रयोग कीजिए।
3. लगभग 100 शब्दों में वर्णन कीजिए कि आपने गर्मी की छुट्टियां किस प्रकार बिताईं?
4. 20 शब्दों के विलोम शब्द लिखिए तथा याद कीजिए।
5. 10 शब्दों के चार चार पर्यायवाची शब्द लिखिए तथा याद कीजिए।

CLASS - 5

ENGLISH:-

1. Write 10 pages of neat and clean handwriting.
2. "Today a reader, Tomorrow a leader"-Read any one story book of your choice.
3. Learn and write 20-20 antonyms and synonyms.
4. write 10 words that are formed by joining two words.
example- teamwork- team + work
5. Find out all nouns and adjectives of the lesson "wonderful waste".
6. Learn the question and answer of the topic completed.
7. Write a paragraph on the topic -How did you spent your summer vacations.
8. Make 5 items from waste materials.

(Note:- Do the work in a separate notebook.)

MATHEMATICS:-

1. Write and learn table 2 to 20. (Two times)
2. Revise Chapter 1 and 2 works done till now.
3. Using Matchsticks make different types of angles
(acute, obtuse, right, straight and reflex angle).
4. Make five 2-D Shapes using cardboard.
5. Make five 3-D Shapes using cardboard.
6. Draw angles whose measures are:-
 - (i) 75°
 - (ii) 35°
 - (iii) 180°
 - (iv) 145°

E.V.S. :-

1. Do some arrangements for the birds (for their food, shelter and water). Click a picture and paste in your EVS copy.
2. Collect the information of any 2 state based on these points :
 - a) Food
 - b) Festivals
 - c) Clothes
3. Make a poster on "Project Tiger" Programme launched by Government of India on A- 4 sheet.
4. Make a puppet of an animal using waste materials.
5. Paste pictures of 2 food items of the following taste:
 - a) sweet
 - b) sour
 - c) bitter
 - d) salt
 - e) spicy
6. Mark the following states on an Indian map :
 - a) Ranthambore Tiger Reserve - Rajasthan
 - b) Kanha Tiger Reserve - Madhya Pradesh
 - c) Sunderban Tiger Reserve - West Bengal
 - d) Jim Corbett National Park - Uttarakhand

HINDI :-

1. प्रतिदिन तारीख लिख कर एक पन्ना सुलेख लिखो। (30 दिन तक)
2. इन विषयों पर पांच पांच पक्तियां लिखो। सरहुल, मकर संक्राति, बिहू, ओणम।
3. "खिलौने वाला" कविता कंठस्थ याद करो और अपनी कॉपी में लिखो तथा इससे संबंधित चित्र भी बनाओ।
4. संज्ञा किसे कहते हैं इनके भेदों को उदाहरण सहित लिखो।
5. प्रतिदिन के हिसाब से अपना टाइम टेबल बनाओ जिसमें सुबह उठने से लेकर रात के सोने तक का दिनचर्या हो। (5 से 10 दिनों का)।
6. अपनी पाठ्यपुस्तक या अन्य किसी किताब की कहानी का एक पाठ को रोज सुबह जोर-जोर से पढ़ो तथा पाठ में आये 10 कठिन शब्दों को अपनी कॉपी में लिखो।
7. जमीन में या गमले में या किसी डिब्बे में कुछ मिट्टी डालकर कोई एक पौधा लगाओ और रोज पानी डालो अपनी फोटो खींचो पौधे के साथ पहले दिन का, 20वां दिन का और 40 वां दिन का फोटो अपनी कॉपी में चिपकाओ।

KV CRPF MOKAMAGHAT

HOLIDAY HOMEWORK

SOCIAL STUDIES CLASS VI

- 1 MAKE A MODEL OF A HINDU TEMPLE AND DECORATE IT WITH SOME WASTE MATERIAL
 2. MAKE A LIST OF FIVE COUNTRIES AND NOTE DOWN THE DIFFERENCE IN THE TIME OF THESE COUNTRIES
 3. MAKE A COLOURFUL MODEL OF THE INDIA GATE
 4. ON A CHART PAPER DRAW THE TOOLS AND WEAPONS OF THE EARLY MAN
 5. PREPARE A MODEL OF THE SOLAR SYSTEM
 - 6 FIND OUT ABOUT ANY ARTIFICIAL SATELLITE OF INDIA.
-

केवी सीआरपीएफ मोकामाघाट

छुट्टी का गृहकार्य

सामाजिक अध्ययन कक्षा VI

- 1 एक हिंदू मंदिर का एक मॉडल बनाएं और उसे किसी बेकार सामग्री से सजाएं
2. पाँच देशों की सूची बनाइए और इन देशों के समय में अंतर नोट कीजिए।
3. इंडिया गेट का एक रंगीन मॉडल बनाएं
4. एक चार्ट पेपर पर शुरुआती आदमी के औजार और हथियार बनाएं

5. सौर मंडल का एक मॉडल तैयार करें

6 भारत के किसी कृत्रिम उपग्रह के बारे में पता लगाएँ

केंद्रीय विद्यालय सीआरपीएफ मोकामाघाट पटना

ग्रीष्मकालीन अवकाश गृहकार्य 2023

कक्षा 6

1. चिड़िया के अलावा आपको कौन – सा पक्षी अच्छा लगता है ? उसका चित्र बनाइए ।
2. आपके आसपास खाने में कौन – कौन से व्यंजन प्रचलित हैं
उनकी सूची बनाइए ।
3. अपने बचपन की कोई मनमोहक घटना को विस्तार से लिखिए।
4. केशव और श्यामा की तरह आपको किसके बारे में जानने की इच्छा है और क्यों ?
5. कोई दस शब्द लिखकर उसका विलोम शब्द लिखो ।
6. बाल रामकथा के आधार पर राम-लक्ष्मण की विशेषताएं लिखिए।
7. सर्वनाम शब्दों का प्रयोग करते हुए 10 वाक्य बनाइए ।
8. कोई 5 विशेषण युक्त वाक्य लिखो तथा उसमें से विशेषण छांट कर लिखो ।
9. वसंत भाग 1 व बाल रामकथा से जो अध्याय पढ़ाया गया है उसको ध्यान पूर्वक पढ़ें
और कठिन शब्दों को अपनी नोटबुक में सुलेख लिखो ।
10. गर्मी की छुट्टियों में यदि आप कहीं घूमने जाते हैं तो उसके बारे में लिखो ।

SV H W 2023-24

1. Learn all the work done in the class.
2. Write the summary of chapter 2 of main book.
3. Write a notice for (a)lost (b) found.
4. Write an application to the principal for leave .
5. Write a letter to your friend inviting him in your birthday party.
6. Write a paragraph on your dream.

Mathematics

Q1 Write Roman numerals 1 to 20 with the help of matchstick on chart paper.

Q2 Find place value of 5 in 957189.

Q3 Write 75,70 0,325 in international system.

Q4 Add $73430 + 342 + 20$.

Q5 Subtract $10\ 000 - 100$.

Q6 Write full form of BODMAS and decorate it.

Q7 Subtract greatest 3 digit number from smallest 6 digit number.

Q8. Make a model of clock.

Q9 Make a chart of different types of bracket.

Q10. Draw a factor tree on A4 size sheet of 72 and 18.

MATHS

Note : PREPARE WORKING MODEL /PROJECT WORK IN AN ATTRACTIVE WAY. PLEASE TAKE HELP OF INTERNET TO MAKE IT SO ATTRACTIVE AND BEAUTIFUL.

- 1. Prepare a working model of expanded form and place value table. (Roll no. 1 to 7)**
- 2. Prepare a scenery/working clock/model with the help of match sticks/broom sticks to show Roman Numerals. (Roll no. 8 to 14)**
- 3. Prepare a beautiful chart of Indian and International system, up to crore/ billion. Paste it on a cardboard.(Roll no. 15 to 21)**
- 4. Collect information on any one of the famous mathematician.
a) Aryabhatta b) Bhaskarac) Shri NiwasanRamanujan (Roll no. 22 to 28)**
- 5. Prepare 10 flash cards using thick colour sheet / cardboard.**

ग्रीष्मावकाश गृहकार्यम्,संस्कृत ,2023--2024

कक्षा VI--IX ,अ, ब ।

1.कक्षा षष्ठी ,से नवमी तक के सभी बच्चें ,प्रथम:पाठः से तृतीयः पाठः तक का प्रश्न -अभ्यास, शब्दार्थः, भूमिका, योग्यता-विस्तार,ये सभी अपनी उत्तर पुस्तिका में करना है।

चतुर्थःपाठः, एवं पंचम पाठः का भूमिका, शब्दार्थः, योग्यता-विस्तार, एवं सिर्फ प्रश्न लिखना है, उत्तर के लिए जगह छोड़ देंगे।

2.अपने विधालय का छात्र-प्रतिज्ञा

संस्कृत में लिख कर याद करना है।

3.संख्यावाचिशब्दाः, कक्षा षष्ठी--01-20,सप्तमी--01--50

कक्षा अष्टमी से नवमी 01--100तक संस्कृत में लिखकर,याद करना है।

4.कक्षा 6-09 तक अपने पाठय-पुस्तक के अनुसार 05,शब्द रूपाणि,05,धातु रूपाणि लिख कर याद करेगे।

5.अपने पाठय -पुस्तक से कोई पाँच श्लोक याद कर लिखेगे

6.कक्षा नवमी के बच्चें तीन सेट प्रश्न पत्र बोर्ड मोडल नेट से निकाल कर ,उसका उत्तर बना कर लायेंगे।

सभी बच्चें ग्रीष्मकालीन संस्कृत गृहकार्य संस्कृत उत्तर पुस्तिका में ही करेंगे।

समाप्त।धन्यवाद।

Summer vacation

Home work

Class VI b.

Subject :science

- a) Complete LD
- b) Complete science notebook.
- c) Preparation of chapter 1 and 2 for PT. 1 exam.
- d) Write 10 mcq type questions from chapter 1 and 2.
- e) All of you have to make experiments of germination (sprout) and observe how it grows, how its color and size change and maintain records and photographs of the experiment.

SV H W 2023-24

1. Learn all the work done in the class.
2. Write the summary of chapter 2 of main book.
3. Write a notice for (a)lost (b) found.
4. Write an application to the principal for leave .
5. Write a letter to your friend inviting him in your birthday party.
6. Write a paragraph on your dream.

केंद्रीय विद्यालय सीआरपीएफ मोकामाघाट पटना

ग्रीष्मकालीन अवकाश गृहकार्य 2023

कक्षा 7

1. हम पंछी उन्मुक्त गगन के कविता का सारांश लिखो तथा स्वतंत्रता का महत्व लिखो ।
2. अपने आस पास के पर्यटन स्थल के बारे में पता करें तथा उसके बारे में विस्तार से लिखो ।
3. हिमालय की बेटियां पाठ के आधार पर नदियों के बारे में हमें क्या जानकारी मिलती है? लिखो ।
4. नदियों से हमें क्या- क्या लाभ होते हैं? 10 पंक्तियाँ लिखिए ।
5. आवश्यक कार्य हेतु अपने प्रधानाचार्य को पांच दिन छुट्टी हेतु प्रार्थना पत्र लिखो ।
6. बाल महाभारत की कथा के आधार पर भीष्म के बारे में लिखिए ।
7. द्वंद समास के 10 उदाहरण लिखिए ।

8. सामान्य बोलचाल में प्रयोग किया जाने वाले कोई 10 शब्द और उसके विलोम शब्द लिखो ।

MATHS

**Note :PREPARE WORKING MODEL /PROJECT WORK IN AN ATTRACTIVE WAY.
PLEASE TAKE HELP OF INTERNET TO MAKE IT SO ATTRACTIVE AND BEAUTIFUL**

- 1. Write properties of integers of addition, subtraction, multiplication and division on a chart paper and paste it on cardboard. Decorate the border using colours. (Roll no. 1 to 8)**
- 2. Prepare working model to show fractions. (Roll no. 9 to 16)**
- 3. Prepare crossword puzzle using the terms of**
 - a) Integers (Roll no 1 to 8)**
 - b) Fractions (Roll no 9 to 16)**
 - c) Decimals (Roll no 17 to 24)**
 - d) Rational numbers (Roll no. 25 onwards)**
- 4. Write properties of Rational numbers of addition subtraction Multiplication division on a chart paper.(Roll no. 17 to 24)**

Mathematics

- Q1. The temperature on Mercury varies from 430 degree Celsius during the day to (-180)degree Celsius at night what is the difference in temperature.
- Q2 The area of rectangle bedroom is $136 \frac{5}{18}$ square feet if its width is $12 \frac{3}{4}$ feet find its length in simplest form.
- Q3 For a party $3 \frac{3}{4}$ kg cashews are divided into $\frac{3}{4}$ kg bags how much such bags are made.
- Q4 Evaluate: $(\frac{4}{5} - \frac{1}{9}) + \frac{12}{15}$
- Q5 The product of two rational numbers is -4 If one of the numbers is $-\frac{11}{4}$.What is the other number.
- Q6 Out of 29 states in India there are five Western coastal states and four eastern coastal States what part of Indian state have neither western or eastern coastline.
- Q7 Draw $-\frac{7}{5}$ on number line.
- Q8 Draw a flowchart to represent the types of fractions on chart paper.
- Q9 Write minimum and maximum temperature daily and find mean change on it.
- Q10 What should be added to the $-\frac{1}{3}$ to make the result $\frac{5}{6}$.

ग्रीष्मावकाश गृहकार्यम्,संस्कृत ,2023--2024

कक्षा VI--IX ,अ, ब ।

1.कक्षा षष्ठी ,से नवमी तक के सभी बच्चें ,प्रथम:पाठः से तृतीयः पाठः तक का प्रश्न -अभ्यास, शब्दार्थः, भूमिका, योग्यता-विस्तार,ये सभी अपनी उत्तर पुस्तिका में करना है।

चतुर्थःपाठः, एवं पंचम पाठः का भूमिका, शब्दार्थः, योग्यता-विस्तार, एवं सिर्फ प्रश्न लिखना है, उत्तर के लिए जगह छोड़ देंगे।

2.अपने विधालय का छात्र-प्रतिज्ञा

संस्कृत में लिख कर याद करना है।

3.संख्यावाचिशब्दाः, कक्षा षष्ठी--01-20,सप्तमी--01--50

कक्षा अष्टमी से नवमी 01--100तक संस्कृत में लिखकर,याद करना है।

4.कक्षा 6-09 तक अपने पाठय-पुस्तक के अनुसार 05,शब्द रूपाणि,05,धातु रूपाणि लिख कर याद करेगे।

5.अपने पाठय -पुस्तक से कोई पाँच श्लोक याद कर लिखेगे

6.कक्षा नवमी के बच्चें तीन सेट प्रश्न पत्र बोर्ड मोडल नेट से निकाल कर ,उसका उत्तर बना कर लायेंगे।

सभी बच्चें ग्रीष्मकालीन संस्कृत गृहकार्य संस्कृत उत्तर पुस्तिका में ही करेंगे।

समाप्त।धन्यवाद।

Summer vacation

Home work

Class VII b.

Subject :science

- a) Complete LD
- b) Complete science notebook.
- c) Preparation of chapter 1 and 2 for PT 1 exam.
- d) Make a diagram of the human digestive system.
- e) Make 10 mcq type questions from chapter 1 and 2.
- f) All of you have to make experiments on effect of saliva on starch and write the process and also make diagram

Summer vacation home work

Class- 7B

Subject-social science

1. Distinguish between biotic and abiotic environments. जैविक और अजैविक वातावरण में अंतर करें
2. Explain with examples the different components of environment. पर्यावरण के विभिन्न घटकों को उदाहरण सहित समझाइए।
3. Describe lithosphere and hydrosphere. स्थलमंडल और जलमंडल का वर्णन कीजिए।
4. What do you understand about the cartographer? मानचित्रकार से आप क्या समझते हैं ?
5. What did Minhaj-i-Siraj meant by the term 'Hindustan'? 'हिन्दुस्तान' शब्द से मिन्हाज-ए-सिराज का क्या अर्थ था?
6. In how many periods was the history divided by the British historians? ब्रिटिश इतिहासकारों ने इतिहास को कितने कालखंडों में विभाजित किया?
7. What are the key elements of a democracy? लोकतंत्र के प्रमुख तत्व क्या हैं?
8. What is universal adult franchise? यूनिवर्सल एडल्ट फ्रैंचाइज़ी क्या है?
9. What are the provisions in the Constitution of India in respect of recognition of equality? भारत के संविधान में समानता की मान्यता के संबंध में क्या प्रावधान हैं?
10. What is the most important step the government has taken to end inequality? असमानता को समाप्त करने के लिए सरकार ने सबसे महत्वपूर्ण कदम क्या उठाया है?
11. .on the outline map of india show the following.
(I) India-States with Capitals(राजधानियों के साथ भारत के राज्य)

Activities:- Collect stories / find out about changes that took place in their areas (identify how things/surroundings change overnight and why). कहानियां एकत्रित करें / उनके क्षेत्रों में हुए परिवर्तनों के बारे में पता करें (पहचानें कि चीजें/परिवेश रातोंरात कैसे बदलते हैं और क्यों)।

केंद्रीय विद्यालय सीआरपीएफ मोकामाघाट पटना

ग्रीष्मकालीन अवकाश गृहकार्य 2023

कक्षा 8

1. लाख की चूड़ियाँ अध्याय से आप क्या समझते हैं? विस्तार पूर्वक लिखो ।
2. अहमदनगर के किले में कैद होने के बाद नेहरू जी ने वहाँ क्या काम किया?
3. तलाश अध्याय में नेहरू जी ने भारत के अतीत के बारे में क्या-क्या तलाश किया?
4. अपने सामान्य जीवन में उपयोग किया जाने वाले किसी 20 शब्द और उसके विलोम शब्द लिखो ।
5. बस की यात्रा अध्याय से आप क्या समझते हैं विस्तार पूर्वक लिखो ।
6. जो अध्याय पढ़ाया गया है उसके प्रश्न उत्तर बीच बीच में दुहराते रहेंगे ।
7. साफ सफाई को ध्यान में रखते हुए अपने आस - पास पर्यावरण को नुकसान पहुंचाने वाले दस चीजों के बारे में लिखो ।
8. निम्न में से किसी दो पर अनुच्छेद लिखो ।
 - I. होली
 - II. दीपावली
 - III. स्वतंत्रता दिवस
 - IV गांधी जयंती

9. The usual form of the number $9 \times 100 + 7 \times 1$

- (a) 97
- (b) 9007
- (c) 907
- (d) 16

10. A is a digit and 3A18 is a multiple of 6. Which of the following can be the value of A?

- (a) 1 or 9
- (b) 3 or 6
- (c) 0 or 7
- (d) 0 or 9

11. Is 2352 a perfect square? If not, find the smallest number by which 2352 must be multiplied so that the product is a perfect square. Find the square root of new number.

12. Simplify:

$$(\sqrt{81} + \sqrt{0.81} + \sqrt{0.0081}) \times \sqrt{10000}$$

13. Verify that $(a + b) + c = a + (b + c)$ by taking

$$a = -2, b = -2/3, c = -3/4$$

14. The sum of two rational numbers is $(-3/7)$. If one of the number is $(-5/8)$, find the other.

15. Find three rational numbers between: $(-1/3)$ and $(1/2)$

16. Verify the property $a \times b = b \times a$ by taking :

$$a = (-12/7),$$

$$b = (-21/5)$$

17. Simplify: (a) $\left[3\frac{1}{4} + \left\{ 1\frac{1}{4} - \frac{1}{2} \left(2\frac{1}{2} - \overline{\frac{1}{4} - \frac{1}{6}} \right) \right\} \right]$

$$(b) 1 + 1 + \left[\left\{ 1 + 1 + \left(1 + \frac{1}{3} \right) \right\} \right]$$

$$(c) \frac{(4.23)^2 - (2.71)^2}{4.29 - 2.71}$$

General Instruction: All students to do holiday homework in a separate 100 pages king size single line notebook.

INTEGERS

1. Evaluate the following, using distributive property. (i) -39×99 (ii) $(-85) \times 43 + 43 \times (-15)$
(iii) $53 \times (-9) - (-109) \times 53$ (iv) $68 \times (-17) + (-68) \times 3$
2. Height of a place A is 1800 m above sea level. Another place B is 700 m below sea level. What is the difference between the levels of these two places?
3. In a test, +3 marks are given for every correct answer and -1 mark is given for every incorrect answer. Sona attempted all the questions and scored +20 marks though she got 10 correct answers. (i) How many incorrect answers has she attempted? (ii) How many questions were given in the test?
4. Write a pair of integers whose product is -36 and whose difference is 15.
5. What's the Error? Ramu evaluated the expression $-7 - (-3)$ and came up with the answer -10. What did Ramu do wrong?
6. What's the Error? Reeta evaluated $-4 + d$ for $d = -6$ and gave an answer of 2. What might Reeta have done wrong?

FRACTIONS AND DECIMALS

Q.8 Solve:

$$\frac{x+3}{2} - \frac{x-2}{2} = 1. \text{ Hence find } p, \text{ if } \frac{1}{x} + p = 1$$

LONG ANSWER TYPE QUESTIONS

Q.9 The two perpendicular sides of a right angled triangle are in the ratio 3:4 and it's perimeter is 90. Find the three sides.

Q.10 Two supplementary angles differ by 50° . Find measure of each angle.

Q.11 Sum of three consecutive even numbers is 36. Find the numbers.

Q.12 The numerator of a fraction is 2 less than the denominator. If 3 is added to both the numerator and denominator, the fraction becomes $\frac{3}{4}$. Find the fraction.

Q.13 A number consists of two digits whose sum is 12. If 18 is added to the number, the digits are reversed. Find the number.

Q.14 Maira has a total of ₹ 1040 as currency notes in the denomination of ₹ 10, ₹ 20 and ₹ 50. The ratio of the number of ₹ 10 notes and ₹ 20 notes is 2:5. If she has a total of 30 notes, how many notes of each denomination she has.

Q.15 A number is such that ratio of 84 less than the number and difference of 108 and the number is 1:2. Find the number.

Q.16 Mr. X has to cover a certain distance. He covers $\frac{2}{5}$ of the total distance by car, $\frac{3}{10}$ by bus, $\frac{1}{5}$ by rickshaw and the remaining 5km on foot. What is the total distance?

ग्रीष्मावकाश गृहकार्यम्,संस्कृत ,2023--2024

कक्षा VI--IX ,अ, ब ।

1.कक्षा षष्ठी ,से नवमी तक के सभी बच्चें ,प्रथम:पाठः से तृतीयः पाठः तक का प्रश्न -अभ्यास, शब्दार्थः, भूमिका, योग्यता-विस्तार,ये सभी अपनी उत्तर पुस्तिका में करना है।

चतुर्थःपाठः, एवं पंचम पाठः का भूमिका, शब्दार्थः, योग्यता-विस्तार, एवं सिर्फ प्रश्न लिखना है, उत्तर के लिए जगह छोड़ देंगे।

2.अपने विधालय का छात्र-प्रतिज्ञा

संस्कृत में लिख कर याद करना है।

3.संख्यावाचिशब्दाः, कक्षा षष्ठी--01-20,सप्तमी--01--50

कक्षा अष्टमी से नवमी 01--100तक संस्कृत में लिखकर,याद करना है।

4.कक्षा 6-09 तक अपने पाठय-पुस्तक के अनुसार 05,शब्द रूपाणि,05,धातु रूपाणि लिख कर याद करेगे।

5.अपने पाठय -पुस्तक से कोई पाँच श्लोक याद कर लिखेगे

6.कक्षा नवमी के बच्चें तीन सेट प्रश्न पत्र बोर्ड मोडल नेट से निकाल कर ,उसका उत्तर बना कर लायेंगे।

सभी बच्चें ग्रीष्मकालीन संस्कृत गृहकार्य संस्कृत उत्तर पुस्तिका में ही करेंगे।

समाप्त।धन्यवाद।

KENDRIYA VIDYALAYA CRPF MOKAMAGHAT

Summer Vacation Homework

Class VIII SCIENCE

1. **Project:-** Collect the 10 types of seeds and categorise them into kharif and rabi

Solve these questions in HW notebook

2. What are weedicides? Give some examples.
3. What is irrigation? Name the two main methods of irrigation and define them briefly.
4. How can nitrogen be replenished in soil naturally?
5. What are the advantages of manure?
6. What are the advantages of levelling?
7. What is biological control of pest? How is it beneficial?
8. What are pathogens? Write another name of pathogens.
9. Differentiate between viruses and other microorganisms.
10. What is pasteurisation?

CLASS: 8 Subject: SOCIAL SCIENCE HOLIDAY HOME WORK

GEOGRAPHY CHAPTER 1: RESOURCES

Answer the following

1. Give four examples of human made resources.
2. Give two examples of renewable resources.
3. Define the term Patent and resources?
4. What are natural resources?
5. Classify resources on the basis of origin?
6. What are renewable and non renewable resources?
7. Define sustainable development?
8. Why should we conserve resources?
9. Give 2 examples of potential resources?
10. How are manmade resources important?

Answer the following:

1. Define History
2. . 2. Who created the first map of India?
3. 3. Why did James Mill divide his book 'The History of British India' into Hindu, Muslim and British periods?
4. Write a short note on the National Archives of India.
5. Why is it important to have dates or time frames while writing History?

VI. MAP WORK 1. Mark all states and its capitals in India political map. 2. Mark all important rivers in India River map. 3. World map: mark all continents and oceans in the world map.

कक्षा: 8 विषय: सामाजिक विज्ञान अवकाश गृह कार्य
भूगोल अध्याय 1: संसाधन

निम्नलिखित का उत्तर दें

1. मानव निर्मित संसाधनों के चार उदाहरण दीजिए।
 2. नवीकरणीय संसाधनों के दो उदाहरण दीजिए।
 3. पेटेंट और संसाधन शब्द को परिभाषित करें?
 4. प्राकृतिक संसाधन क्या हैं?
 5. उत्पत्ति के आधार पर संसाधनों का वर्गीकरण कीजिए।
 6. नवीकरणीय और अनवीकरणीय संसाधन क्या हैं?
 7. सतत विकास को परिभाषित करें?
 8. हमें संसाधनों का संरक्षण क्यों करना चाहिए?
 9. संभावित संसाधनों के 2 उदाहरण दें?
 10. मानव निर्मित संसाधन किस प्रकार महत्वपूर्ण हैं?
- निम्नलिखित का उत्तर दें:

1. इतिहास को परिभाषित कीजिए
2. . 2. भारत का पहला नक्शा किसने बनाया था?
3. 3. जेम्स मिल ने अपनी पुस्तक द हिस्ट्री ऑफ ब्रिटिश इंडिया को हिंदू, मुस्लिम और ब्रिटिश काल में क्यों विभाजित किया?

4. भारत के राष्ट्रीय अभिलेखागार पर संक्षिप्त टिप्पणी लिखिए।

5. इतिहास लिखते समय दिनांक या समय सीमा का होना क्यों महत्वपूर्ण है?

छठी। मानचित्र कार्य 1. भारत के राजनीतिक मानचित्र में सभी राज्यों और उनकी राजधानियों को चिह्नित करें। 2. भारत नदी मानचित्र में सभी महत्वपूर्ण नदियों को चिह्नित करें। 3. विश्व मानचित्र: विश्व मानचित्र में सभी महाद्वीपों और महासागरों को चिह्नित करें।

SV H W 2023-24

1. Learn all the work done in the class.
2. Write the summary of chapter 2 of main book.
3. Write a notice for (a)lost (b) found.
4. Write an application to the principal for leave .
5. Write a letter to your friend inviting him in your birthday party.
6. Write a paragraph on your dream.

Summer vacation home work

Class- 9A

Subject-social science

1. Name the three 'Estates' into which the French society was divided before the Revolution. उन तीन 'एस्टेट' के नाम बताइए जिनमें क्रांति से पहले फ्रांसीसी समाज विभाजित था।
2. What was tithes? ताईद क्या था?
3. What was the theme of the book 'The Spirit of the Laws' written by Montesquieu? मॉटेस्क्यू द्वारा लिखित पुस्तक 'द स्पिरिट ऑफ द लॉज' का विषय क्या था?
4. Explain the impact of the French Revolution on the life of people of French. फ्रांस के लोगों के जीवन पर फ्रांसीसी क्रांति के प्रभाव की व्याख्या करें।
5. What measures were taken by Robespierre to bring equality in the French Society? रोबेस्पियरे ने फ्रांसीसी समाज में समानता लाने के लिए क्या उपाय किए?
6. Describe the effects of abolition of law of censorship on France. फ्रांस पर सेंसरशिप के कानून के उन्मूलन के प्रभावों का वर्णन करें।
7. What is the longitudinal and latitudinal extension of India? भारत का देशांतर और अक्षांशीय विस्तार क्या है?
8. What is the total length of the coastline of the mainland of India including its islands? द्वीपों सहित भारत की मुख्य भूमि की तटरेखा की कुल लंबाई कितनी है?
9. Name any two neighbouring countries of India which are lying in the east. भारत के किन्हीं दो पड़ोसी देशों के नाम बताइए जो पूर्व में स्थित हैं।
10. What is meant by the Indian Standard Time? What is its importance? भारतीय मानक समय से क्या तात्पर्य है? इसका महत्व क्या है?
11. Why is the difference between the durations of day and night hardly felt at Kanyakumari but not so in Kashmir? कन्याकुमारी में दिन और रात की अवधि के बीच का अंतर शायद ही क्यों महसूस किया जाता है लेकिन कश्मीर में ऐसा नहीं है?
12. Define Democracy. State two merits and demerits of democracy. लोकतंत्र को परिभाषित करें। लोकतंत्र के दो गुण और दोष बताइए।
13. Explain the major features of democracy. लोकतंत्र की प्रमुख विशेषताओं की व्याख्या कीजिए।
14. **What are the factors of production? उत्पादन के कारक क्या हैं?**
15. **What is the main economic activity in village Palampur? ग्राम पालमपुर में मुख्य आर्थिक गतिविधि क्या है?**
16. (a) Outline Political Map of France (For locating and labeling / Identification)
 - ☐ Bordeaux
 - ☐ Nantes
 - ☐ Paris
 - ☐ Marseilles

(B) India-States with Capitals, Tropic of Cancer, Standard Meridian (Location and Labelling)
भारत-राजधानियों वाले राज्य, कर्क रेखा, मानक मध्याह्न रेखा

17. Short notes:-

(1) Russia Ukraine War (2) NATO

केंद्रीय विद्यालय सीआरपीएफ मोकामाघाट पटना

ग्रीष्मकालीन अवकाश गृहकार्य 2023

कक्षा 9

1. कबीर दास के बारे में क्या जानते हैं? लिखें | उनके कोई चार दोहे भी लिखें |
2. पाठ्यपुस्तक से कबीर दास के पहला सबद का व्याख्या लिखो |
3. प्रेमचंद के बारे में लिखो | उनकी कोई एक कहानी लिखो |
4. दो बैलों की कथा से हमें क्या- क्या ज्ञान मिलता है | विस्तार से लिखो |
5. इस जल प्रलय में पाठ के आधार पर बाढ़ के समय की स्थिति का वर्णन करें |
6. निम्न विषयों पर अनुच्छेद लिखो | (शब्द सीमा 100)
क. स्वतंत्रता दिवस ख. गांधी जयंती
7. कोई बीस शब्द लिखो जो सामान्य रूप से प्रयोग करते हो | उसका विलोम व समानार्थी शब्द भी लिखो |

8.अपने घर के आसपास के वातावरण को देखते हुए दस लाभदायक व दस हानिकारक चीजों के बारे में लिखो ।

KENDRIYA VIDYALAYA MOKAMA GHAT
VACATION HOMEWORK 2022-23
Class- 9

- 1) Read the first three chapters of both books , underline the difficult words, write down in your notebook and write their synonyms.
- 2) Do all questions of the first three chapters of coursebook and the first two chapters of the second book.
- 3) Briefly prepare and practice your period test syllabus 1.
- 4) Do two articles on any current issue in a-4 size sheets, and make it innovative and creative by your own skills.
- 5) Write down the structure of tense with example in a chart paper and learn it.

Nirmal Anand
TGT English

1. Represent $\sqrt{5}$ and $\sqrt{3.2}$ on the number line.
2. Find five rational number between $\frac{3}{5}$ and $\frac{2}{3}$.
3. Express $2.\overline{36} + 0.\overline{23}$ as a fraction in simplest form.
4. Simplify (i) $3\sqrt{45} - \sqrt{125} + \sqrt{200} - \sqrt{50}$. (ii) $\sqrt{72} + \sqrt{800} - \sqrt{18}$.
5. Find rational numbers **a** and **b** such that $(5+2\sqrt{3})/(7+4\sqrt{3}) = a+b\sqrt{3}$.
6. If $x = 9-4\sqrt{5}$, find the value of $x^2 + 1/x^2$.
7. Rationalise the denominator $3/(\sqrt{3}+\sqrt{5}-\sqrt{2})$
8. Write the following in ascending order of magnitude. $(6)^{1/6}$, $(7)^{1/3}$, $(8)^{1/4}$.
9. If x is a positive real number and exponents are rational numbers, simplify

$$\left(\frac{x^b}{x^c}\right)^{b+c-a} \cdot \left(\frac{x^c}{x^a}\right)^{c+a-b} \cdot \left(\frac{x^a}{x^b}\right)^{a+b-c}$$

10. There are two scales of measuring the temperature of a liquid, namely Kelvin (**K**) and Fahrenheit (**°F**). The relation between the two scales is given by $F = \frac{9}{5}(K - 273) + 32$.
 - (i) Find the temperature of the liquid in Fahrenheit when it is 313 K in Kelvin.
 - (ii) If the temperature of the liquid is 158°F then express it in Kelvin.
 - (iii) Draw the graph of the above given linear equation.
 - (iv) Using the graph find. 95°F and 300K.
11. Draw the graph of the equation $2x-3y = 5$. From your graph find (i) the value of y when $x=4$ and (ii) the value of x when $y=3$.
12. If $x= 3k+2$ and $y= 2k-1$ is a solution of the equation $4x-3y+1=0$, find the value of k .
13. For each of the following points, write the quadrant in which it lies. (i). (-6,3) (ii). (-5,-3) (iii). (11,6) (iv). (1,-4) (v) (-7,-4) (vi) (4,-1) (vii) (-3,8). (viii). (3,-8)

ACTIVITY 1

Make a list of law of exponents.

ACTIVITY 2

Make a project on the title “ π - world’s most mysterious number”.

ग्रीष्मावकाश गृहकार्यम्,संस्कृत ,2023--2024

कक्षा VI--IX ,अ, ब ।

1.कक्षा षष्ठी ,से नवमी तक के सभी बच्चें ,प्रथम:पाठः से तृतीयः पाठः तक का प्रश्न -अभ्यास, शब्दार्थः, भूमिका, योग्यता-विस्तार,ये सभी अपनी उत्तर पुस्तिका में करना है।

चतुर्थःपाठः, एवं पंचम पाठः का भूमिका, शब्दार्थः, योग्यता-विस्तार, एवं सिर्फ प्रश्न लिखना है, उत्तर के लिए जगह छोड़ देंगे।

2.अपने विधालय का छात्र-प्रतिज्ञा

संस्कृत में लिख कर याद करना है।

3.संख्यावाचिशब्दाः, कक्षा षष्ठी--01-20,सप्तमी--01--50

कक्षा अष्टमी से नवमी 01--100तक संस्कृत में लिखकर,याद करना है।

4.कक्षा 6-09 तक अपने पाठय-पुस्तक के अनुसार 05,शब्द रूपाणि,05,धातु रूपाणि लिख कर याद करेगे।

5.अपने पाठय -पुस्तक से कोई पाँच श्लोक याद कर लिखेगे

6.कक्षा नवमी के बच्चें तीन सेट प्रश्न पत्र बोर्ड मोडल नेट से निकाल कर ,उसका उत्तर बना कर लायेंगे।

सभी बच्चें ग्रीष्मकालीन संस्कृत गृहकार्य संस्कृत उत्तर पुस्तिका में ही करेंगे।

समाप्त।धन्यवाद।

KENDRIYA VIDYALAYA CRPF MOKAMAGHAT

Summer Vacation Homework

Class IX SCIENCE

1. Make a project based on health and cleanliness & write the importance of it.

Solve these questions in HW copy.

1. A rubber band is a solid, but it can change its shape. Why?
2. We can easily move our hand in the air but to do the same through a solid block of wood. We need a karate expert. Why?
3. What do you mean by latent heat of vaporization?
4. Explain the inter-conversion of three states in terms of force of attraction, kinetic energy and intermolecular force of the molecules.
5. Convert the 573K to the degree Celsius and degree Fahrenheit.
6. Define acceleration. Is it a scalar or a vector quantity?
7. In a long distance race, the athletes were expected to take four rounds of the track such that the line of finish was same as the track was 200 m.
 - (i) What is the total distance to be covered by the athletes?
 - (ii) What is the displacement of the athletes when they touch the finish line?
 - (iii) Is the motion of the athletes uniform or nonuniform?
 - (iv) Is the distance moved by and displacement of athletes at the end of the race equal?
8. A girl runs for 10 min at a uniform speed of 9 km/h. What should be the speed that she runs for the next 20 min, so that the average speed comes to 12 km/h?
10. With the help of a graph, derive the relation $v = u + at$.
11. The brakes applied to a car produce an acceleration of 6 m/s^2 in the opposite direction to the motion. If the car takes two seconds to stop after the application of brakes, calculate the distance it travels during this time.

Summer vacation home work

Class-10B

Subject-social science

1. What was the main aim of the French revolutionaries? फ्रांसीसी क्रांतिकारियों का मुख्य उद्देश्य क्या था?
2. Name the Treaty of 1832 that recognised Greece as an independent nation. 1832 की संधि का नाम बताइए जिसने ग्रीस को एक स्वतंत्र राष्ट्र के रूप में मान्यता दी?
3. Who remarked "when France sneezes the rest of Europe catches cold". किसने टिप्पणी की "जब फ्रांस छींकता है तो शेष यूरोप को ठंड लग जाती है"।
4. Explain the contribution of Otto von Bismarck in German unification. जर्मन एकीकरण में ओटो वॉन बिस्मार्क के योगदान की व्याख्या कीजिए।
5. Explain any five social and administrative reforms introduced by Napoleon in regions under his control. नेपोलियन द्वारा अपने नियंत्रण वाले क्षेत्रों में शुरू किए गए किन्हीं पांच सामाजिक और प्रशासनिक सुधारों की व्याख्या करें।
6. Describe the process of unification of Germany. जर्मनी के एकीकरण की प्रक्रिया का वर्णन कीजिए।
7. Explain the process of unification of Italy. इटली के एकीकरण की प्रक्रिया की व्याख्या कीजिए।
8. What do you understand by a 'Resource'? 'संसाधन' से आप क्या समझते हैं ?
9. What do you understand by 'sustainable economic development'? 'सतत आर्थिक विकास' से आप क्या समझते हैं?
10. Write three physical and three human factors which determine the use of land. भूमि के उपयोग को निर्धारित करने वाले तीन भौतिक और तीन मानवीय कारक लिखिए।
11. Write six characteristics of regur soils (black soils). रेगुर मिट्टी (काली मिट्टी) की छह विशेषताएँ लिखिए।
12. Outline Political Map of India.
A. Major soil Types(Identification only)

13.Short notes:-

- (1) Russia Ukraine War
- (2) NATO
- (3) G-20 summit (G20 शिखर सम्मेलन)

KENDRIYA VIDYALAYA MOKAMAGHAT

VACATION HOMEWORK 2022-23

Class - 10

- 1) Write down the synonyms of difficult words from the first three chapters of The First Flight & first chapter of footprints without feet.
- 2) Do all extra questions of starting three chapters of 'first flight '.
- 3) Do one formal notice and one article on any current issue in a-4 size sheets, and make it innovative and creative by your own skills.
- 4) Briefly prepare and practice your period test syllabus 1.
- 5) Write down the structure of tense with example in a chart paper.

Nirmal Anand
TGT English.

केंद्रीय विद्यालय सीआरपीएफ मोकामाघाट पटना

ग्रीष्मकालीन अवकाश गृहकार्य 2023

कक्षा 10

1. सूरदास के पद से किसी दो पद का व्याख्या करो ।
2. नेताजी का चश्मा पाठ के आधार पर देशभक्ति के बारे में अपने शब्दों में विस्तार से लिखो ।
3. माता का आंचल पाठ के आधार पर भोलानाथ हमेशा पिताजी के साथ रहते हैं फिर भी शीर्षक माता का आंचल क्यों पड़ा है ? विस्तार से लिखो ।
4. सूरदास के बारे में क्या जानते हैं? लिखो ।
5. निम्नलिखित विषय पर अनुच्छेद लिखो ।
 - क. कोरोना वायरस
 - ख. पर्यावरण दिवस
 - ग. गणतंत्र दिवस
6. रचना के आधार पर वाक्य के तीनों भेद से 5-5 उदाहरण लिखकर उसको अन्य भेद में रूपांतरण करो ।

7. अभी तक जो भी अध्याय पढ़ाया गया है उसके प्रश्न उत्तर तथा व्याख्या की पुनरावृत्ति करते रहेंगे ।

1. Zeroes of the polynomial x^2-2x-3 are
(a) -3,1. (b) -3,-1 (c) 3, -1 (d)3,1
2. Which of the following is a pair of co-primes?
(a) (14,35). (b) (18,25) (c) (31,93) (d) (32,62)
3. What is the largest number that divides each one of 1152 and 1664 exactly?
(a) 32. (b) 64 (c) 128(d)256
4. α β γ are the zeroes of the polynomial x^3-6x^2-x+30 then the value of $(\alpha\beta+\beta\gamma+\gamma\alpha)$ is
(a) -1 (b) 1 (c) -5 (d)30
5. Show that $2\sqrt{3}$ is irrational.
6. Examine the simplest form of $148/185$.
7. Find the quadratic polynomial whose sum and product of zeroes are 2 and-5
8. Find the HCF and LCM of $8/9, 10/27$ and $16/81$.
9. Write the zeroes of the quadratic polynomial $f(x)=6x^2-3$
10. If the zeroes of the polynomial $f(x)=x^2-3x+x+1$ are $(a-b)$, a and $(a+b)$, find a and b .

KENDRIYA VIDYALAYA CRPF MOKAMAGHAT

Summer Vacation Homework

CLASS:X (SCIENCE)

1. Make a project based on modern agricultural practices and write its importance.

Solve these questions in HW copy.

2. Write balanced chemical equations for the following chemical reactions:

(a) Hydrogen + Chlorine \rightarrow Hydrogen chloride

(b) Lead + Copper chloride \rightarrow Lead chloride + Copper

(c) Zinc oxide + Carbon \rightarrow Zinc + Carbon monoxide

3. A compound 'A' is used in the manufacture of cement. When dissolved in water, it evolves a large amount of heat and forms compound 'B'.

(i) Identify A and B.

(ii) Write chemical equation for the reaction of A with water.

(iii) List two types of reaction in which this reaction may be classified.

4. Mention with reason the colour changes observe when:

(i) silver chloride is exposed to sunlight.

(ii) copper powder is strongly heated in the presence of oxygen.

(iii) a piece of zinc is dropped in copper sulphate solution

5.2g of ferrous sulphate crystals are heated in a dry boiling tube.

(a) List any two observations.

(b) Name the type of chemical reaction taking place.

(c) Write balanced chemical equation for the reaction and name the products formed.

6.What is a reduction reaction?

Identify the substances that are oxidised and the substances that are reduced in the following reactions. (Board Term I, 2015)

(a) $\text{Fe}_2\text{O}_3 + 2\text{Al} \rightarrow \text{Al}_2\text{O}_3 + 2\text{Fe}$

(b) $2\text{PbO} + \text{C} \rightarrow 2\text{Pb} + \text{CO}_2$

7.State the location and function of gastric glands.

8.(a) What is peristaltic movement?

(b) 'Stomata remain closed in desert plants during daytime'. How do they do photosynthesis?

9.(a) Why is nutrition necessary for the human body?

(b) What causes movement of food inside the alimentary canal?

(c) Why is small intestine in herbivores longer than in carnivores?

(d) What will happen if mucus is not secreted by the gastric glands?

10. Write two different ways in which glucose is oxidised to provide energy in human body. Write the products formed in each case.

11.(a) In the process of respiration, state the function of alveoli.

(b) Rate of breathing in aquatic organisms is much faster than that in terrestrial organisms.

12. Draw a flow chart showing the three different pathways involved in the breakdown of glucose in different organisms.

Kendriya Vidyalaya CRPF, Mokamaghat

Class-XII Commerce

Summer vacation-Holiday Homework (2023-24)

Subject-Accountancy-055

Assignment

1. Solve 5 problems related with profit and loss appropriation account.
2. Solve 1 problem related with Fixed Partner's Capital account.
3. Solve 1 problem related with Fluctuating partner's capital account.
4. Solve 4 problems related with interest on capital.(Appropriation, charge, sufficient profit, insufficient profit)
5. Solve 5 problems related with interest on drawings.(1 irregular drawing, 4-regular drawings=at the beginning of month-1;at the middle of month-1;at the end of month-1;if drawn only for 6 month-1)
6. Solve 5 problems related with adjustment in closed accounts.
7. Solve 2 problems related with minimum guarantee.
8. Solve 5 problems related with valuation of goodwill(Average profit method-1;super profit method -1;capitalization method-2, If value of goodwill given calculate value of AP/SP-1)
9. Prepare theoretical portion of partnership-concept, features, Partnership deed, Registration of partnership, Rules implemented in absent of partnership deed. Goodwill-concept, features etc.

Instructions:- (To be followed strictly)

Solve all these problems in homework side of fair copy.

Do your work date-wise, you are free to select questions from NCERT Text book, Any other reference book as T.S.Grewal, D.K.Goel etc.

you can solve illustrations (goodwill) also but it should be maximum 8 out of total 28 problems.

Preference should be given to previous year board exam. Questions of related topics, CBSE sample paper questions, Question asked in CA.

Project

Prepare a comprehensive project on project file.

1. Introduction page-(Name of school, address, contact no., website, Name of student, session, subject, topic etc.)
2. Certificate page
3. Acknowledgement page
4. Preface
5. Index
6. Body of project- What is project, general objective of preparing project, specific objective of preparing project, establish an imaginary business, prepare vouchers, select at least 20 different transactions on different dates, prepare ledger, prepare trial balance, assume any 5 adjustment along with value of closing stock. prepare financial statement.
7. Observation –SWOT analysis
8. Suggestion
9. Conclusion
10. Bibliography
11. Project evaluation
12. Thank you

Note :- Date of submission for Assignment and project is 19/06/2023.(First day on re-opening of vidyalaya after summer vacation)

Sunil Kumar Jaiswara
PGT.Comm.

Principal

Kendriya Vidyalaya CRPF, Mokamaghat

Class-XII Commerce

Summer vacation-Holiday Homework (2023-24)

Subject-Business Studies-054

Assignment

1. Solve all questions given at the end of chapter-01 in NCERT text book.(MCQ,VSAQ,SAQ and LAQ)
2. Solve all questions given at the end of chapter-02 in NCERT text book.(MCQ,VSAQ,SAQ and LAQ)
3. Solve all question related with chapter -01 and 02 from sample paper published by CBSE-2021-22 , 22-23 & 23-24.
4. Solve all questions related with chapter-01 and 02 from last three years board question paper available with solution on www.cbseacademic.nic.in
5. **Solve at least 10 case studies each from chapter -01 and 02 (total =20) =Free to select from any source but preference should be given to CBSE sample paper or board question paper.**
6. **Do not copy line by line from text book, try to use your own language.**

Instructions:- (To be followed strictly)

Solve all these problems in homework side of fair copy.

Do your work date-wise, you are free to select questions from NCERT Text book, Any other reference book as Sandeep garg, R.K.Singla, Poonam Gandhi etc.

Project

Prepare a project on project file on marketing. (Visit www.cbseacademic.nic.in.>curriculum>2023-24>Senior secondary>group-A>Business Studies)

1. Introduction page-(Name of school, address, contact no., website, Name of student, session, subject, topic etc.)
2. Certificate page
3. Acknowledgement page
4. Preface
5. Index
6. Body of project- What is project, general objective of preparing project, specific objective of preparing project, why selected this project, select a product from product list there, take 5 competitive brands, collect required information, sales in India and worldwide, estimated market, market position, sales position ,competitor, strategy to increase sales and market share, use bar diagram, pie chart etc.
7. Observation –SWOT analysis
8. Suggestion
9. Conclusion
10. Bibliography
11. Project evaluation
12. Thank you

Note :- Date of submission for Assignment and project is 19/06/2023.(First day on re-opening of vidyalaya after summer vacation)

Sunil Kumar Jaiswara
PGT.Comm.

Principal

Summer vacation

Home work

Class - XII A. Subject - Biology

- Q1. Complete the Biology notebook.
- Q2. Make the 20 mcq from each chapter 2 and 3.
- Q3. Preparation of chapter 2 and 3 for monthly test.
- Q4. Make the exercise of chapter 2 and 3.

Summer Vacation Homework, Class-12, Chemistry

- 1) Write the anode, cathode, anode reaction, cathode reaction, cell reaction, voltage and uses of each of the following cells:
 - a. Dry cell
 - b. Mercury cell
 - c. Lead storage battery
 - d. Fuel cell
 - e. Nickel-cadmium battery

2) Explain corrosion as electrochemical cell.

3) Solve the following:

CHAPTER-1 SOLUTION*

NCERT Solved examples:-6,7,8,9,10,11

NCERT Intext Ques: 7,8, 10,11

CHAPTER-2 ELECTROCHEMISTRY

NCERT Solved examples:-1,2,4,5,8,9,10,

NCERT Intext Ques: -5,6,9

KENDRIYA VIDYALAYA CRPF MOKAMAGHAT
SUMMER VACATION HOMEWORK 2023
SUB. : COMP. SC. **CLASS XII**

1. Define Function and its various categories.
2. Differentiate between Module & Function.
3. Significance of IMPORT in Python.
4. What is the purpose of help() function.
5. Differentiate between In-built & user defined functions.
6. Illustrate the use of DEF keyword.
7. What do you mean by argument of a function? Mention its types.
8. What is the use of return statement?
9. Differentiate Actual & Formal parameters with examples.
10. How will we pass Arrays/Lists to functions.
11. What do you mean by scope of a variable?
12. Mention types of scope.
13. Whether main() function is necessary in python.
14. Define recursion and its drawback.

ASSIGNMENTS
FUNCTIONS

1. Write a Python function to find the Max of three numbers. [Go to the editor](#)
[Click me to see the sample solution](#)

2. Write a Python function to sum all the numbers in a list. [Go to the editor](#)
Sample List : (8, 2, 3, 0, 7)
Expected Output : 20
[Click me to see the sample solution](#)

3. Write a Python function to multiply all the numbers in a list. [Go to the editor](#)
Sample List : (8, 2, 3, -1, 7)
Expected Output : -336
[Click me to see the sample solution](#)

4. Write a Python program to reverse a string. [Go to the editor](#)
Sample String : "1234abcd"
Expected Output : "dcba4321"
[Click me to see the sample solution](#)

5. Write a Python function to calculate the factorial of a number (a non-negative integer). The function accepts the number as an argument. [Go to the editor](#)
[Click me to see the sample solution](#)

6. Write a Python function to check whether a number is in a given range. [Go to the editor](#)
[Click me to see the sample solution](#)

7. Write a Python function that accepts a string and calculate the number of upper case letters and lower case letters. [Go to the editor](#)

Sample String : 'The quick Brow Fox'

Expected Output :

No. of Upper case characters : 3

No. of Lower case Characters : 12

[Click me to see the sample solution](#)

8. Write a Python function that takes a list and returns a new list with unique elements of the first list. [Go to the editor](#)

Sample List : [1,2,3,3,3,3,4,5]

Unique List : [1, 2, 3, 4, 5]

[Click me to see the sample solution](#)

9. Write a Python function that takes a number as a parameter and check the number is prime or not. [Go to the editor](#)

Note : A prime number (or a prime) is a natural number greater than 1 and that has no positive divisors other than 1 and itself.

[Click me to see the sample solution](#)

10. Write a Python program to print the even numbers from a given list. [Go to the editor](#)

Sample List : [1, 2, 3, 4, 5, 6, 7, 8, 9]

Expected Result : [2, 4, 6, 8]

[Click me to see the sample solution](#)

11. Write a Python function to check whether a number is perfect or not. [Go to the editor](#)

According to Wikipedia : In number theory, a perfect number is a positive integer that is equal to the sum of its proper positive divisors, that is, the sum of its positive divisors excluding the number itself (also known as its aliquot sum). Equivalently, a perfect number is a number that is half the sum of all of its positive divisors (including itself).

Example : The first perfect number is 6, because 1, 2, and 3 are its proper positive divisors, and $1 + 2 + 3 = 6$. Equivalently, the number 6 is equal to half the sum of all its positive divisors: $(1 + 2 + 3 + 6) / 2 = 6$. The next perfect number is $28 = 1 + 2 + 4 + 7 + 14$. This is followed by the perfect numbers 496 and 8128.

[Click me to see the sample solution](#)

12. Write a Python function that checks whether a passed string is palindrome or not. [Go to the editor](#)

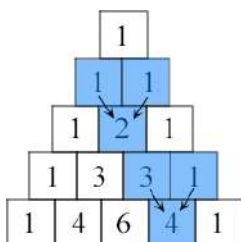
Note: A palindrome is a word, phrase, or sequence that reads the same backward as forward, e.g., madam or nurses run.

[Click me to see the sample solution](#)

13. Write a Python function that prints out the first n rows of Pascal's triangle. [Go to the editor](#)

Note : Pascal's triangle is an arithmetic and geometric figure first imagined by Blaise Pascal.

Sample Pascal's triangle :



Each number is the two numbers above it added together [Go to the editor](#)
[Click me to see the sample solution](#)

14. Write a Python function to check whether a string is a pangram or not. [Go to the editor](#)
Note : Pangrams are words or sentences containing every letter of the alphabet at least once.
For example : "The quick brown fox jumps over the lazy dog"
[Click me to see the sample solution](#)

15. Write a Python program that accepts a hyphen-separated sequence of words as input and prints the words in a hyphen-separated sequence after sorting them alphabetically. [Go to the editor](#)
Sample Items : green-red-yellow-black-white
Expected Result : black-green-red-white-yellow
[Click me to see the sample solution](#)

16. Write a Python function to create and print a list where the values are square of numbers between 1 and 30 (both included). [Go to the editor](#)
[Click me to see the sample solution](#)

17. Write a Python program to make a chain of function decorators (bold, italic, underline etc.) in Python. [Go to the editor](#)
[Click me to see the sample solution](#)

18. Write a Python program to execute a string containing Python code. [Go to the editor](#)
[Click me to see the sample solution](#)

19. Write a Python program to access a function inside a function. [Go to the editor](#)
[Click me to see the sample solution](#)

20. Write a Python program to detect the number of local variables declared in a function. [Go to the editor](#) [Click me to see the sample solution](#)

.....XXXXXXXXXX.....

Summer vacation

Subject -Economics. Class-12(B)

Prepare Research Report on following topic.

Student name	Topic
Abhishek.	Poverty
Anmol	Stock market
Arti	Budget
Deepankar.	IT sector
Dolly.	Russia Ukraine war
Pritam.	Unemployment
Randhir.	Agriculture
Sandhya.	Infrastructure
Shubham.	Rural development
Suhani.	Automobile sector
Smirti.	E Banking
Tanisha.	Banking
Utsav.	Telecom sector

KVCRPF MOKAMA GHAT

Summer Vacation Home Work

Session 2023-24

Subject-English

Class -XIIth

1. Read any book of your choice and write a book review in your HW copy.

2. Make a collection of 5 examples of the following from online or offline source

- Invitation
 - Article
 - Report
- (In a file)

3. Write 5 examples of NOTICE in your HW copy.

4. Answer these SAQs in (40-50 words) (HW copy)

- i. Why did Franz not want to go to school that day!
- ii. What sights did Franz see on his way to school?
- iii. Who were the elderly persons sitting at the back benches?
- iv. 'My mother at sixty six' is an example of the pain that every child has. Explain.
- v. Poetess in the poem does not want to show her sadness to her mother, why?

5. Answer these LAQs in 100-120 words (HW copy)

i. The theme of 'The Last Lesson' is to respect and protect our mother tongue and in this way our culture. Do you agree! Elaborate.

ii. Write the summary of the poem 'My mother at sixty six'.

.केंद्रीय विद्यालय सीआरपीएफ मोकामाघाट पटना

ग्रीष्मकालीन अवकाश गृहकार्य

नवम्. 2023

1. कबीरदास के बारे में

क्या जानते हैं उनके बारे में कोई चार दोहा भी लिखे?

2. इस संसार में सच्चा संत कौन कहलाता है?

3. प्रेमचंद का जन्म कब और कहाँ हुआ था ?

4. कहानी में बैलों के माध्यम से कौन-कौन से नीति-विषयक मूल्य उभर कर आए हैं ?

5. लेखक का गांव किस क्षेत्र में था? वहां लोग क्यों आते थे?

6.

समास किसे कहते हैं उनके भेद और उदाहरण लिखें?

7. अपनी कक्षा में प्रथम आने की शुभ सूचना अपने पिता जी को चिट्ठी के द्वारा दीजिये ?

CLASS- XII. HOLIDAY HOMEWORK MATHEMATICS

1. Show that the relation $R = \{(a,b): a > b\}$ on N is transitive but neither reflexive nor symmetric.
2. Check the injectivity and subjectivity of the following function:
 $F: Z \rightarrow Z$ given by $f(x) = x^3$.
3. On the set Z of all integers, consider the relation $R = \{(a,b): (a-b) \text{ is divisible by } 3\}$. Show that R is an equivalence relation on Z . Also find the partitioning of Z into mutually disjoint equivalence classes.
4. Show that each of the relation R in the set $A = \{x \text{ is integer, } : 0 \leq x \leq 12\}$. Given by $R = \{(a,b): a = b\}$. Is an equivalence relation. Find the set of all elements related to 1.
5. Construct a 3×4 matrix, whose elements are given by: $a_{ij} = \frac{1}{2} |-3i + j|$.
6. $2X + 3Y = \begin{bmatrix} 2 & 3 \\ 4 & 0 \end{bmatrix}$. And $3X + 2Y = \begin{bmatrix} 2 & -2 \\ -1 & 5 \end{bmatrix}$. Find X And Y .
7. If $F(x) = \begin{bmatrix} \cos x & -\sin x & 0 \\ \sin x & \cos x & 0 \\ 0 & 0 & 1 \end{bmatrix}$. Show that $F(x) \cdot F(y) = F(x+y)$.
8. If $A = \begin{bmatrix} 3 & -2 \\ 4 & -2 \end{bmatrix}$. And $I = \begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix}$ Find k so that $A^2 = kA - 2I$.
9. For the matrix A and B , verify that $(AB)' = B'A'$ where $A = \begin{bmatrix} 1 \\ -4 \\ 3 \end{bmatrix}$ $B = \begin{bmatrix} -1 & 2 & 1 \end{bmatrix}$
10. If A and B are symmetric matrices, prove that $AB - BA$ is a skew symmetric matrix.
11. Find the matrix X so that $X \begin{bmatrix} 1 & 2 & 3 \\ 4 & 5 & 6 \end{bmatrix} = \begin{bmatrix} -7 & -8 & -9 \\ 2 & 4 & 6 \end{bmatrix}$

ACTIVITY 1.

To verify that the relation R in the set L of all lines in a plane, defined by $R = \{(l,m): l \text{ normal } m\}$ is symmetric but neither reflexive nor transitive.

ACTIVITY 2.

To verify that the relation R in the set L of all lines in a plane defined by $R = \{(l,m): l \text{ parallel } m\}$ is an equivalence relation.

SUMMER VACATION HOME WORK 2023-24

CLASS – XII

SUBJECT: PHYSICS

LESSON-ELECTROSTATICS

Q1. Two point charges q_1 and q_2 are placed close to each other, What is the nature of the force between them when:

(i) $q_1 \cdot q_2 < 0$ and (ii) $q_1 \cdot q_2 > 0$

Q2. Name the quantity with unit **Joule/Coulomb**. Is it a scalar or vector quantity?

Q3. An electric dipole of dipole moment **2×10 coulomb meter** is enclosed by a closed surface What is the flux passing out of the surface ?

Q4. What is the angle between the directions of electric field at any (i) axial point and (ii) equatorial point due to an electric dipole?

Q5. Two point charges placed at a distance r in air exert a force F on each other. At what distance charges experience the same force F in a medium of dielectric constant K ?

Q6. Consider a dipole of length $2a$. What is the magnitude and direction of electric field at the midpoint of the length of the dipole?

Q7. Two charges $+10\mu\text{C}$ and $-20\mu\text{C}$ are placed 15 cm apart. At what point on the line joining the two charges is the electric potential zero?

Q8. (i) Two capacitors of $2\mu\text{F}$ and $4\mu\text{F}$ are connected in parallel. A third capacitor of $6\mu\text{F}$ is connected in series. The combination is connected across a 12 V battery. The voltage across $2\mu\text{F}$ capacitor is:

(ii) Two condensers each of capacitance $2\mu\text{F}$ are connected in parallel and this combination is connected in series with a $12\mu\text{F}$ capacitor. The resultant capacity of the system will be:

Q9. Derive expression for electric field at a point on the equatorial line of dipole.

Q10. Using Gauss Theorem, show mathematically that for a point outside a shell, the field due to a uniformly charged thin shell is the same as if the entire charge of the shell is concentrated at the centre. Why do you expect electric field inside the shell to be zero according to this theorem?

Q11. An electric dipole of dipole moment p is placed in a uniform electric field. Write the expression for the torque experienced by the dipole. Identify two pairs of perpendicular vectors in the expression. Show diagrammatically the orientation of the dipole in the field for which the torque is

(i) Maximum

(ii) Half the maximum value

(iii) Zero.

Q12. Write expression for energy stored in parallel plate capacitor. Capacitance of three identical capacitors in series is $1\mu\text{F}$. What will be their net capacitance parallel? Find the ratio of energy stored in the two configurations if they are both connect source.