

KV AFS RAJOKRI

HOLIDAY HOME WORK (WINTER BREAK) 2022-23

Classes VI to XII (AI subjects)

शीतकालीन अवकाश कार्य

. कक्षा - नवीं

विषय - हिंदी

प्रश्न: -- सिक्किम की एक झलक विषय पर एक प्रोजेक्ट तैयार कीजिए ।

व्याकरण :-

(i). अर्थ के आधार पर वाक्य भेद और उनके दो -दो उदाहरण लिखिए।

(ii). अनुप्रास, यमक उपमा एवं रूपक अलंकार की परिभाषा और दो -दो उदाहरण याद करके लिखिए ।

पत्र लेखन

(i). अपने मित्र को पत्र लिखकर इंटरनेट के प्रयोग से होने वाले लाभ - हानियों पर प्रकाश डालते हुए, उसके सदुपयोग के बारे में बताइए ।

(i). अपनी बहन को पत्र लिखकर योगासन करने के लिए प्रेरित कीजिए ।

अनुच्छेद लेखन

1 'स्मार्ट क्लास की उपयोगिता'

2. कोरोना महामारी का बढ़ता प्रकोप तथा बचने के उपाय

3.मंहगाई की मार झेलता आम आदमी ।

संवाद- लेखन

1.आनलाइन कक्षाओं को लेकर दो अभिभावकों की बातचीत को संवाद के रूप में लिखिए ।

2.कोरोना की रोकथाम के लिए दो मित्रों के बीच- होने वाली बातचीत को संवाद के रूप में लिखिए।

शीतकालीन अवकाश कार्य

कक्षा - दसवीं

विषय - हिंदी

* सिक्किम की एक झलक विषय पर एक प्रोजेक्ट तैयार कीजिए ।

*नवीनतम पाठ्यक्रम के अनुसार10 सैंपल पेपर कॉपी में हल कीजिए और प्रश्न पत्र भी लगाइए।

6th

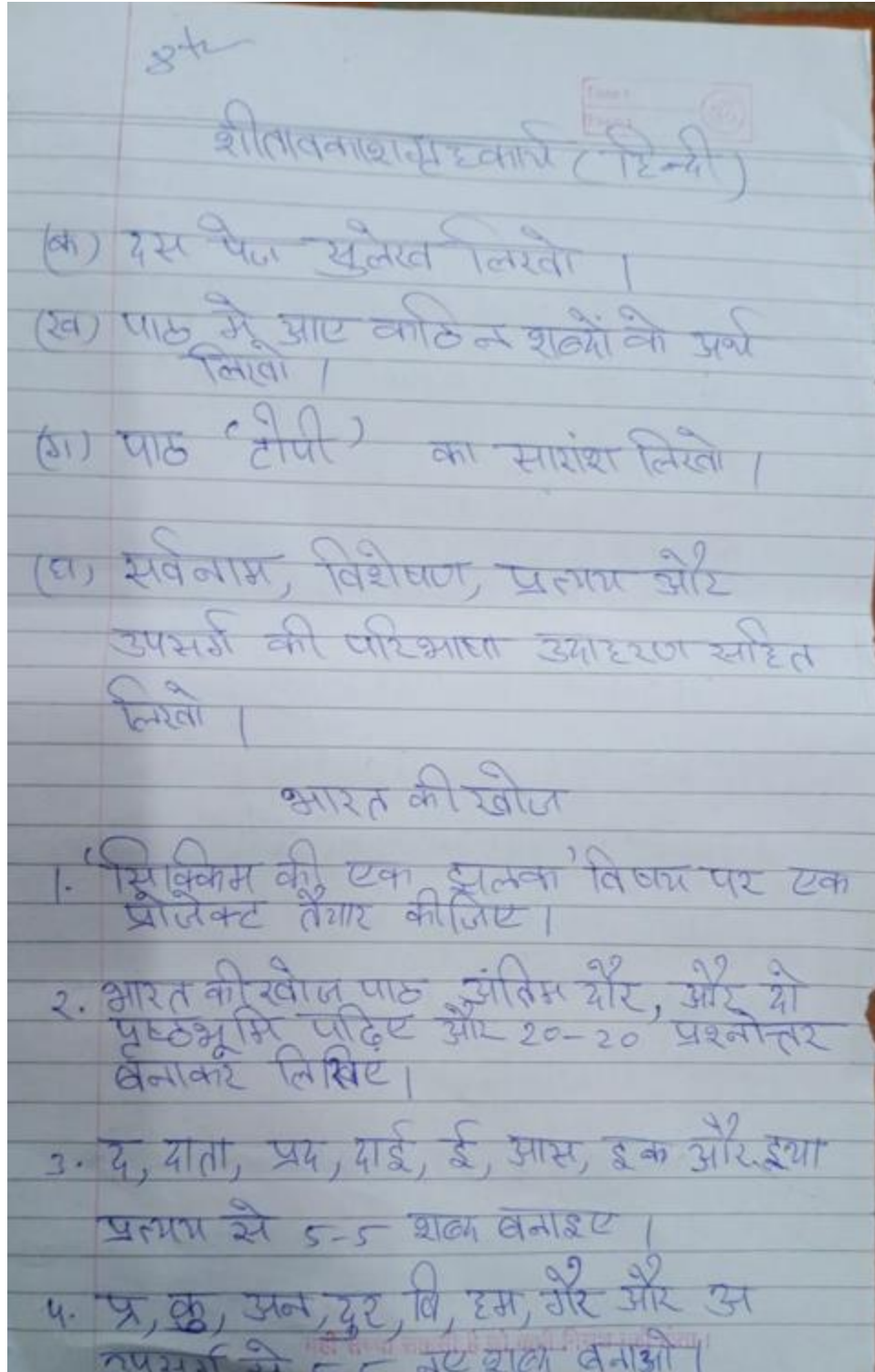
शीतकालीन गृहकार्य (हिन्दी)

- (क) सात पेज सुलेख लिखिए।
- (ख) पाठ में आए प्रबन्धोत्तर यात्रा करें
(पाठ- साँस-साँस में बाँस)
- (ग) बालरामकथा के 9, 10 पाठ का सारांश लिखो।
- (घ) सर्वनाम और विशेषण के प्रकार एवं उनके
उदाहरण लिखो।
- (ङ) बालरामकथा के पाठित पाठ सीता की खोज, राम
और सुग्रीव ~~संस्कृत~~ का सारांश लिखो।
- (क) पाठ- 11 और 12 में आगत कठिन
शब्दांश लिखो।
- (ख) 5 पेज सुलेख कार्य करें।
- (ग) 'रामः' अकारान्त पुलिंश शब्दरूप लिखकर
याद करें।
- (घ) धातु रूप - लोट लकार एवं लङ् लकार
में लिखकर याद करें -
पठ्, दृश्, नच, पश्य

३^{रा} संस्कृत

- (क) रामः शब्दरूप लिखो और प्राप्त करो।
- (ख) मधु शब्दरूप लिखो और प्राप्त करो।
- (ग) सर्वनाम शब्दरूप के अर्थ-प्रयोग उदाहरण सहित लिखो।
- (घ) विशेषण के प्रकार एवं उदाहरण लिखो।
- (ङ) दस पंक्त संस्कृत सुलेख लिखो।

भगवान के नाम का कीर्तन सब मंगलों का भी मंगल है, व्याधिनाशक, दिव्य और भोग-मोक्ष देनेवाला है।



Winter Break Home Work

Class VI (ENGLISH)

1. write and learn two leave applications on the following chapters:

a) Sick leave for two days

b) Urgent piece of work

2. Write any two short stories based on moral.

3. Learn all the chapters and write the summary of each in own words.

4. Write two paragraphs on-

My School Library

My Mother

A Morning Walk

5. Practice on the following things:-

Verb forms

Adjective forms

Preposition

Noun forms

(Write 10-10 sentences on each)

6. Write the summary and message of the following chapters:-

Fair play

Vocation(Poem)

The Banyan Tree

The monkey and the crocodile

A pact with the sun

The Monkey and the Crocodile

7. Write one page of handwriting everyday.

Class: VIII (English)

1. Write a page of Diary recording all the events of the day(in proper format)

2. Write the Rhyme scheme of the following poems: The School Boy, The Duck and the Kangaroo, When I set out for Lyonesse, On the Grasshopper and Cricket(of each Stanzas)

3. Read all the chapters that are covered for final exams and write the summary of each in own words.

4. Which chapters(one story, one poem) do you like the most from both the books. Write why you like that in about 100 words telling about the theme.

5. Practice Editing, Omission and Gap filling, verb forms, active-passive, reported speech by writing at two -two exercises for each.

7. Write any **two stories** based on the moral, 'Hard Work is the key to success' and ' Greed is a Curse'.

8. Project: **Make a collage** of well known Indian poets & authors.(Roll no.1-15)

Or

Write the **book review** of any two books of your choice.(Roll no.16-30)

Or

Write a **short note on the following** poets/ authors/writers: Ravindra Nath Tagore, Ruskin Bond, William Blake, Jayant Narlikar(Roll no.31-last)

Class- IX ENGLISH

1. Write the short summary of all the chapters coming in PT-2

2. Write the literary /poetic devices of all the poems- (pick out the lines or phrases in which you find the devices)

3. Write all the exercises(given by me) in your notebook-

Tense, modals, subject verb concord, reported speech

4. Write two descriptive paragraphs on the following topics:

Describe any person of your family members

Describe your school library which was recently renovated.

Describe any event like Christmas Day celebration or New Year Day celebration.

5. Write the diary entry on the following topics:

1. You recently attended a wedding. The ostentatious display of wealth made you reflect on the disparity existing in society. Make a diary entry in 100-150 words expressing your feelings.

2. You won the Best Student Award this year. Make a diary entry in 100-150 words expressing your feelings. You can take help from the given hints.

3. Write two short stories of any kind based on the moral, continuation of beginning lines.

◆**HOLIDAY HOMEWORK (Winter Break 2022-2023)**◆

Class VI Subject English (Abhishek Sir)

1 Complete the written work in your notebook of the chapters taught till date.

Also learn and revise.

2. Write 2 new words daily. Find out their meanings and make sentence on your own.

3. NOTICE WRITING (Lost and Found)

a) You are Shyam Verma of class VI of Bal Bharti Public School, Dehradun. You have lost your library book which was issued to you, in the playground. Draft a notice for the school notice board, informing the student about it.

b) While coming to school, you get a black colour geometry box in the school campus. Write a 50-word notice to put up on the noticeboard to inform all your school students about the geometry box and how the owner can receive it from you. You are Karan/ Kajal, of Janta public school, Sikkim.

4. Write a story

Topic- Honesty is the best policy

5. Write an application to the Principal of your school requesting her, to grant you two days leave to attend your brother's marriage

Do reading practice daily, underline important words and learn spellings

◆Holidays Homework ◆

Class- VII Subject English (Abhishek Sir)

1 Complete the written work in your notebook of the chapters taught till date.

Also learn and revise

Write 2 new words daily. Find out their meanings and make sentence on your own.

2. LETTER WRITING

i) Write a letter to the Mayor of your city seeking a solution to the problem of waterlogging in your area. You are Raj / Rani of Dharma Colony, Ramgarh.

ii) Write an application to the Principal of your school requesting her, to grant you two days' leave to attend your brother's marriage.

iii) Write a letter to your friend inviting him to your birthday party.

3) PARAGRAPH WRITING

i) HOW TO KEEP FIT AND FINE

ii) WHAT I ENJOY DOING MOST IN MY LEISURE TIME

Do reading practice daily, underline important words and learn spellings

◆HOLIDAYS HOMEWORK ◆

◆Holidays Homework◆

📖Class - IX Subject English📖 (Abhishek Sir)

1.DESRIPTIVE PARAGRAPH

i)You recently visited the Children’s Park, a favourite place for all children, in your city. Write a description of the park in 100-150 words.

ii) One of your friends, Raman, is very gentle and polite to you. You regard him as your best friend. Describe him in 100-150 words.

2.STORY WRITING

Write a short story with the help of the cues given below. Give a suitable title to the story.

I) You encountered two strange people. They were different from normal human beings but they were quite interesting and exciting. As Amit/Manisha, using your ideas, write a story in about 150-200 words narrating your experience with them.

II)

Going to Mumbai by train to attend marriage of a friend got stuck in a traffic jam reached the railway station late boarded a wrong train realised after two hours now you

3. Do two unseen comprehension reading passages in notebook

4. Do one exercise for the following topics

I. Subject verb arrangement

II Editing

III Reported speech

5 .Revise all the chapters and prepare for your PT -2

Focus on Important characters and main points of the story

Class X English

Solve **10 sample papers** of English, based on new pattern in a separate notebook filling duly in the index with date and pages no.

Use either Arihant's or Together With to solve these papers.

CLASS VI Subject- Science

- i. Do revision of Ch-9,10,11,12, 13 and 15.
- ii. <https://www.vedantu.com/cbse/class-6-science-the-living-organisms-and-their-surroundings-worksheets>
- iii. <https://www.vedantu.com/cbse/class-6-science-motion-and-measurement-of-distances-worksheets>
- iv. <https://www.vedantu.com/cbse/class-6-science-light-shadows-and-reflections-worksheets>
- v. <https://www.vedantu.com/cbse/class-6-science-electricity-and-circuits-worksheets>
- vi. <https://www.vedantu.com/cbse/class-6-science-fun-with-magnets-worksheets>
- vii. <https://www.vedantu.com/cbse/class-6-science-air-around-us-worksheets>
- viii. Prepare MDP project.

SECTION – A (1 mark each)

FILL IN THE BLANKS: (10 MARKS)

1. The habitat of organism that lives in water is called _____.
2. Birds are adapted for _____ mode of life.
3. S.I. unit of mass is _____.
4. A shadow cast by one heavenly object on another is called an _____.
5. A source of light which is of the size of the head of a common pin is called a _____ source of light.
6. Combination of two or more cells is called a _____.
7. Hammering a magnet destroys its _____ character.
8. Wet clothes dry up in sun due to _____.
9. Increased humidity means increased amount of _____ in the air.
10. Converting plant and animal wastes into manure is called _____.

MULTIPLE CHOICE QUESTIONS: (10 marks)

11. Plant waste is given out in the form of thick fluid called
(a) gum (b) urine (c) latex (d) sweat
12. Change in position of a body with time is called
(a) distance (b) motion (c) displacement (d) speed
13. We are able to see different objects around us through _____.
(a) Their shadow (b) Regular reflection (c) Reflection (d) Irregular reflection
14. The tiny coiled metal wire present inside the bulb is called _____.
(a) element (b) conductor (c) filament (d) none of these
15. In bulbs, electricity is converted into
(a) light energy (b) heat energy
(c) sound energy (d) mechanical energy

- 16.** When a magnet is placed on a plastic plate with common pins spread on it, then
- (a) pins will stick all around the magnet. (b) pins will stick at the middle of the magnet
(c) pins will stick at the ends of the magnet. (d) none of these.
- 17.** When a magnet is broken into pieces, the pieces
- (a) have both north and south poles. (b) have only north poles.
(c) have no poles. (d) have only south poles.
- 18.** Loss of water by plants is called
- (a) transpiration (b) condensation (c) transportation (d) evaporation
- 19.** Oxygen is used in hospitals for
- (a) burning wastage (b) artificial respiration
(c) fermentation (d) decomposition
- 20.** Composting method in which earthworms are used is known as _____
- (a) composting (b) manuring
(c) vermicomposting (d) decomposing

21. What is uniform motion?
22. What is lateral inversion?
23. What are the ill-effects of drought in a region?
24. What is wind? Write its three uses.
25. What is meant by adaptation ?
26. Why is ocean water unfit for drinking ?
27. Differentiate between: Temporary magnet and permanent magnet.
28. Differentiate between: Biodegradable materials and non-biodegradable materials
29. Sunlight is essential for photosynthesis. Then, how aquatic plants survive?
30. Why should we recycle paper?
31. What is the difference between a shadow and an image formed by plane mirror?
32. What happens when the N-pole of a magnet is brought near
(a) N-pole (b) S-pole of a freely suspended magnet
33. Name the harmful rays of the sun.
34. Explain an activity to show that starch is present in a leaf.
35. Explain how rest and motion are related to each other with the help of an example.
36. Describe the structure of torch and explain its working with the help of a circuit diagram.
37. Briefly describe the various types of habitats.
38. Draw the structure of a flower and label its parts. Give the functions of all these parts.
39. Draw a diagram of water cycle and explain it in steps.
40. Give five ways by which use of plastics can be minimized.

Class 7 science

Revise the chapters -10,11,12,13,14

Be ready with a small activity from these chapters

Grow ayurvedic plants and bring in school after vacations

Do the given worksheets

CLASS IX -Science

- i. Do revision of all chapters for PT-3
- ii. Do practice of work sheets .<https://www.studiestoday.com/printable-worksheet-science-cbse-class-9-science-worksheet-all-chapters-217997.html>
- iii. Make a project for science exhibition.

Class 9 S.St

- Revise all the chapters of syllabus (including Economics, History, Civics, Geography)
- Write down the exercise and learn of chapter Food security (economic)and population(geography).
- File project/ Ppt :-
 - 1- Natural vegetation and wildlife
 - 2- Poverty as a challenge
 - 3- Climate
 - 4- Democratic Right
 - 5- Working Institutions/ Forest, Society and colonialism

Class 8B S.St

1. Write down the exercises of chapter 6 (Human Resource (Geography)
2. Revise all chapters of history,
3. Geography and Civics
4. file project on:-
 - Industrialisation
 - Human Resource
 - Agriculture/ Civilising the native, educating the nation

Class 6 S.St

- Do and learn exercise of chapter 5 (Major landforms of the Earth
- File project on:- Major Landforms of the earth
- Map work
 - Major Mountain Ranges of World
 - Major Plateau of the world
 - Desert of the world
- Chart work :- Collet pictures of expenditures of the Himalayas. Also collect the pictures of equipment carried by climbers for protection against Sunshine, temperature and the lack of air and paste on a chart paper symmetrically.

Kendriya Vidyalaya AFS Rajokri
Winter vacation Home Work 2022-23
Class –VII

Solve & learn the following questions

Q 1. The Gonds practiced...

- (a) shifting cultivation (b) subsistence cultivation
(c) intensive cultivation (d) plantation cultivation

गोंडोंनेअभ्यासकिया ...

- (क) स्थानांतरणखेती (ख) निर्वाहखेती (ग) सघनखेती (घ) वृक्षारोपणखेती

Q.2 Ramanuja was influenced by the

- (a) Nainar (b) Alvars (c) Advaita (d) Sufi

रामानुजप्रभावितहुएथे.....

- (क) नैनार (ख) अलवर (ग) अद्वैत (घ) सूफी

Q.3 Which is example of mass media?

- (a) Television (b) Radio (c) Newspaper (d) All of these

जन संचारकाउदाहरणकौनसाहै?

- (क) टेलीविजन (ख) रेडियो (ग) समाचारपत्र (घ) सभी

Q 4. Which of the following is commonly not found in our neighbourhood?

- (a) Departmental store (b) Dairy (c) Shopping complex (d) Grocery

निम्नलिखितमेंसेकौनसासामान्यतःहमारेआस पड़ोसमेंनहींपायाजाताहै?

- (क) डिपार्टमेंटलस्टोर (ख) डेयरी (ग) शॉपिंगकॉम्प्लेक्स (घ) किराने की दुकान

Q 5. For making online purchases we use

- (a) Credit card (b) Voter card (c) Ration Card (d) All of them

ऑनलाइनखरीदारीकरनेकेलिएहमउपयोगकरतेहैं

- (क) क्रेडिटकार्ड (ख) वोटरकार्ड (ग) राशनकार्ड (घ) उनसभीको

Q 6. Write two factors on which the growth of vegetation mostly depends.

दोकारकोंकोलिखें, जिनपरवनस्पतिकाविकासज्यादातरनिर्भरकरताहै।

Q 7. Name the two hardwood trees commonly found in tropical evergreen forest.

आमतौरपरउष्णकटिबंधीयसदाबहारवनमेंपाएजानेवालेदोदृढ़लकड़ीकेपेड़ोंकानामबताइए।

Q 8. The climate of the Amazon Basin is

(a) Extremely hot (b) Mild (c) Hot and Wet (d) Extremely cold

अमेज़न बेसिन की जलवायु है

(क) अत्यधिक गर्म (ख) हल्के (ग) गर्म और गीला (घ) अत्यधिक ठंड

Q 9 Which one river is not a tributary of the river Ganga

(a) Indus (b) Son (c) Gandak (d) Kosi

कौन सी नदी गंगानदी की सहायक नदी नहीं है

(क) सिंधु (ख) सोन (ग) गंडक (घ) कोसी

Q10. What kind of exchanges took place between nomadic pastoralists and settled agriculturists? 3 marks

खाना बंदोश चरवाहे और बसे किसानों के बीच किस तरह का आदान-प्रदान हुआ?

Q11. How did the tribal people earn their livelihood?

आदिवासी लोग अपनी आजीविका कैसे चलाते थे?

Q12. What were the major beliefs and practices of the Sufis?

सूफियों की प्रमुख मान्यताएँ और प्रथाएँ क्या थीं?

Q13 Which are the three broad categories of natural vegetation

प्राकृतिक वनस्पति की कौन सी तीन व्यापक श्रेणियाँ हैं

Q14 True and False : सही और गलत

Newspapers and magazines are examples of print media .

समाचार पत्र और पत्रिकाएँ प्रिंट मीडिया के उदाहरण हैं

(b) Media gives us news of different kinds and thus makes us aware of what is happening around

us. मीडिया हमें विभिन्न प्रकार की खबरें देता है और इस प्रकार हमें यह बतता है कि हमारे आसपास क्या हो रहा है।

(c) Mass media has nothing to do with the latest technology.

मास मीडिया का आधुनिकतम तकनीक से कोई लेना-देना नहीं है

(d) Censorship goes in the favour of the media.

सेंसरशिप मीडिया के पक्ष में जाती है।

Q15 What do you understand by the word brand? List two reasons why building brands is central to advertising?

ब्रांड शब्द से आप क्या समझते हैं? दो कारण बताएं कि ब्रांड का निर्माण विज्ञापन के लिए केंद्रीय क्यों है?

Q16 What do you mean by advertisement? What role do advertisements play in our lives?

विज्ञापनसेआपकाक्यामतलबहै? विज्ञापनहमारेजीवनमेंक्याभूमिकानिभातेहैं?

Q17 What are the four means of transport?

परिवहनकेचारसाधनक्याहैं?

Q18 Map Skills:

On the outline map of the Indian sub-continent show the following

(a) Area of Sunderban delta

(b) Area of cold desert

(c) Area of hot desert

भारतीयउपमहाद्वीपकेरोमांचकमानचित्रकीरूपरेखापरनिम्नलिखितदर्शातेहैं

(क) सुंदरबनडेल्टाकाक्षेत्र

(ख) ठंडेरिगिस्तानकाक्षेत्र

(ग) गर्मरिगिस्तानकाक्षेत्र

प्रश्न4 वर्षावन क्यों लुप्त होते जा रहे हैं?

Q.4 Why the rainforests are depleting?

प्रश्न 5 परिवहन के चार प्रकार क्या हैं ?

Q.5 What are the four mean of transport?

प्रश्न 6 एक फेरीवाला किसी दुकानदारसे कैसे भिन्न है ।

Q. 6 In what ways is a hawker different from a shop owners?

प्रश्न 7 खानाबदोश पशुचारकों और एक जगह बसे हुए खेतिहरों के बीच किस तरह का विनिमय होता था ?

Q.7 What kind of exchanges took place between nomadic pastoralists and settled agriculturists?

प्रश्न 8 बाबा गुरु नानक की प्रमुख शिक्षाएँ क्या थी

Q.8 What were the major teachings of Guru Nanak?

प्रश्न 9 मानिप्रवालम क्या है ? इस भाषा में लिखी पुस्तक का नाम बताएं ।

Q.9 What is Manipravalam? Name a book written in the language?

प्रश्न 10 प्राकृतिक वनस्पतियों की तीन मुख्य श्रेणियाँ कौन से हैं ।

Q.10 Which are the three broad categories of natural vegetation? .

प्रश्न 11 प्रजातंत्र में संचार माध्यम किस प्रकार महत्वपूर्ण भूमिका निभाते हैं।

Q.11 .In what way does the media play an important role in democracy?

प्रश्न 12 ब्रांड शब्द से आप क्या समझते हैं ? विज्ञापन के लिए ब्रांड निर्मित करने के दो मुख्य कारण बताइए

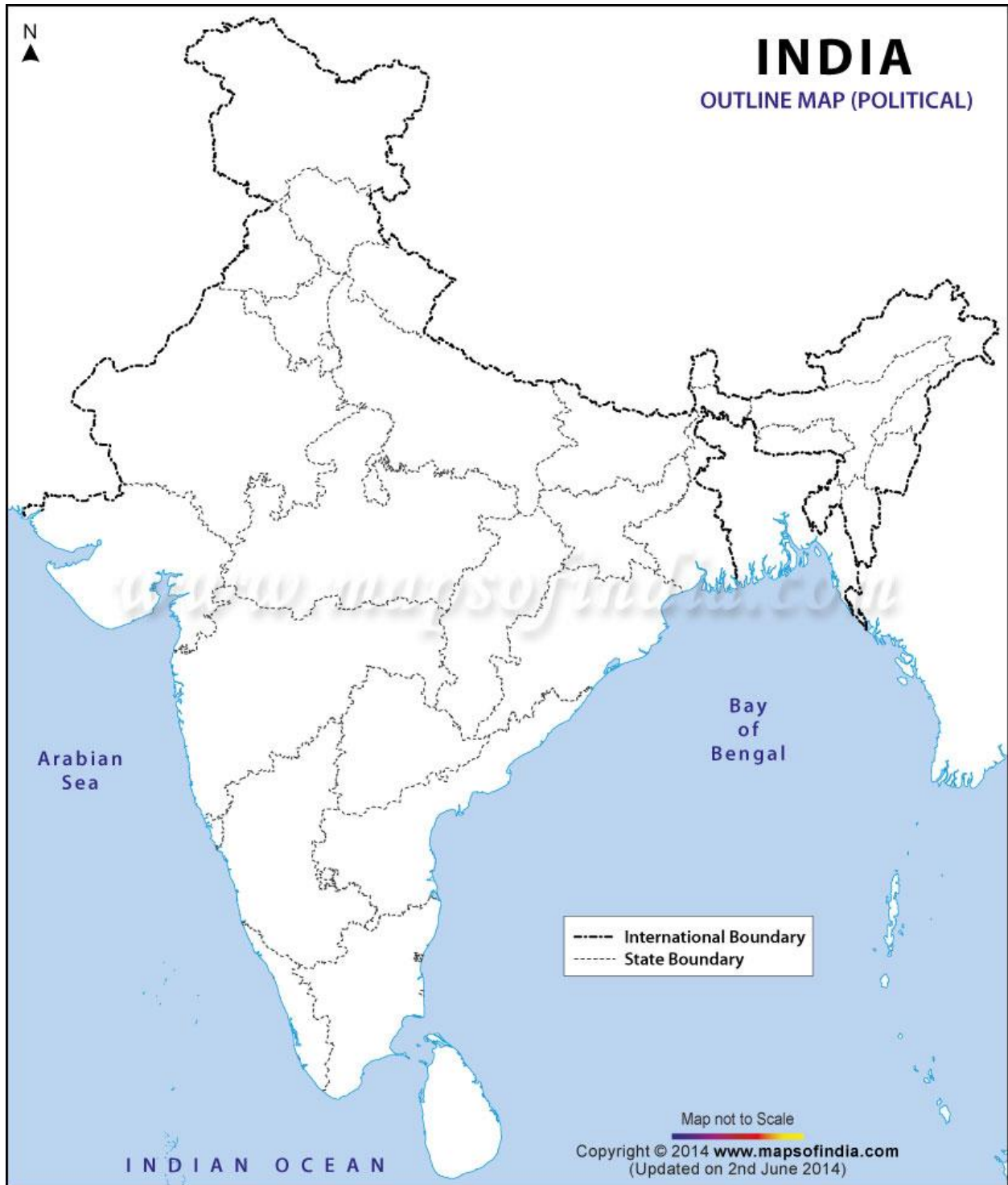
Q.12 What do you understand by the word brand? List two reasons why building brand is central to advertising.

प्रश्न 13 भारत के मानचित्र पर निम्नलिखित को दर्शाइए –

1) Ganga River 2) Brahmaputra River 3) Jharkhand 4) Mumbai

Q.13 On an outline map of India show the following:

i) गंगा नदी ii) ब्रह्मपुत्र नदी iii) झारखण्ड iv) मुंबई



CLASS X- Social Science

- i. Solve 15 sample papers in a separate register along with date wise index. All questions must be written black ink.
- ii. Make an art integrated project on Sikkim.
- iii. Do all the maps and paste the same given in sample papers.

CLASS X- Science

- iv. Solve 15 sample papers in a separate register along with date wise index. Paste the print out of the sample paper.
- v. Make an art integrated project on Sikkim.

Class 11- Biology

Revise chapter 10,11,12,13

Do the given mcqs

Make project for final exams

Grow ayurvedic plant and bring in school after vacations

Class 12 – Biology

Complete 10 sample papers

केंद्रीय विद्यालय राजौकरी

शीतकालीन अवकाश गृहकार्य

हिंदी

कक्षा 12

1. संपूर्ण पाठ्यक्रम की पुनरावृत्ति कीजिए।
2. एक अलग नोटबुक में 10 सैंपल पेपर का अभ्यास करो।

कक्षा 11

1. दिया गया परियोजना कार्य सुंदर उचित तरीके से पूर्ण करो।
2. द्वितीय सत्र में कराए गए पाठों और कविताओं के साथ लिखो।
3. वितान का आलो आधारी पाठ पढ़ो वह नोट्स बनाओ।

कक्षा 7

1. बाल महाभारत के सभी पाठ पढ़ो व मुख्य बिंदु (नोट्स) बनाओ।
2. संधि व समास की परिभाषा लिखो तथा प्रत्येक के 20 उदाहरण लिखो।
3. इक और इत प्रत्यय से 20 शब्द बनाओ।
4. अपने व मित्र के मध्य अपनी पढ़ाई को लेकर हुई बातचीत का संवाद लेखन कीजिए
5. अपने मोहल्ले की सफाई के लिए स्वास्थ्य अधिकारी को पत्र लिखि
6. प्रतिदिन हिंदी की पुस्तक पढ़ने का अभ्यास करो ।
7. प्रतिदिन हिंदी के अखबार के कोई दो सकारात्मक और शैक्षिक जानकारी पूर्ण समाचार फाइल पेज पर कटकर चिपकाओ।

Mathematics Winter Break Holidays Homework

Class- VI

1. Do Examples of Chapter 'Ratio and Proportion' and 'Symmetry'.

2. Do all the activities in Activity file.

(Activities given on whatsapp)

Class- VIII

1. Do Examples of Chapter ' Exponents and Powers' and ' Direct and Inverse Proportion' .

2. Do all the activities in Activity file,.

(Activities given on whatsapp).

Class - IX

1. Do Examples of Chapter ' Surfece Areas and Volumes'Ex.13.3,13.4,13.7 and 13.8 and ' Symmetry'.

2. Do all the activities in Activity file.

(Activities given on whatsapp).

Class- X

1. Solve Ten Sample papers in separate notebook.

2. Make Portfolio.(Sample given on whatsapp).

3. Do all the activities in Activity file.

(Activities given on whatsapp).

KV AFS RAJOKRI, DELHI REGION

Winter break Holiday Homework

Subject :- Science

Class :- VIII-B

1) Learn keywords and exercise questions from the following chapters :-

(The Back exercises of the following chapter should be completed in classwork copy)

***Reaching the age of adolescence**

***Sound**

***Chemical Effects of Electric Current**

***Some Natural Phenomena**

2) Draw and practice the following diagrams:-

***Voice box of human**

***Human ear**

***Passing current through, water**

***A simple circuit showing electroplating**

***Accumulation of charges leading to lightning**

***Structure of earth**

***Structure of human eye**

***Structure of Human ear**

3) Observe the attraction and repulsion between charged objects and uncharged objects and list out .

4) Do the following activities:-

From Chapter 13- Activity 13.2 ,13.5, 13.8 ,13.9 , 13.9

From chapter 15 – Activity 15.1 ,15.2 ,15.3 ,

5) Try to construct Electroscope (Refer activity 15.4) of your own.

6) Do an activity to find the good and bad conductor using any 5 liquids (Refer activity 14.2)

7) Do the MCQ questions from the following Links:-

Sound - <https://www.learninsta.com/mcq-questions-for-class-8-science-chapter-13-with-answers/>

Chemical effects of Electric current :- <https://www.learninsta.com/mcq-questions-for-class-8-science-chapter-14-with-answers/>

Some natural phenomenon :- <https://www.learninsta.com/mcq-questions-for-class-8-science-chapter-15-with-answers/>

8) Complete learner's diary for the chapters coming in the final examination.

9) Learn the chapters 9, 10, 13, 14 & 15.

SUBJECT – ECONOMICS

CLASS- XI

1. Complete all the work done in class.
2. Do 10 -10 numerical questions from mean, median and mode.
3. Prepare glossary of each chapter done in class.
4. Prepare a project on the topic assigned by the CBSE.

Class XII

1. Prepare glossary of each chapter.
2. Prepare a project on the topic assigned by the CBSE.
3. Do 10 sample paper in separate note book.
4. Revision for 2nd pre board exam
5. Practice 1mark questions including MCQs, Fill ups, true false, assertion reason.

RITU TANWAR
PGT (ECONOMICS)

CLASS XI – WINTER BREAK HOMEWORK

SUBJECT ENGLISH

1. Complete all work in notebooks of all the chapters that have been taught.
2. 5 passages – practice of NOTE MAKING and SUMMARY
3. 5 exercises of the following:
 - A. Fill in the blanks with Adverb clause (10 sentences)
Noun clause (10 sentences)
Adjective clause (10 sentences)
 - B. 10 sentences of Present Tense
Past tense (10 sentences)
Future tense (10 sentences)
 - C. 30 sentences of Re- ordering of sentences
4. 5 poster making
5. 1. Advertisement of each type
6. 3 speeches
7. 3. Debates

KENDRIYA VIDYALAYA SANGATHAN, DELHI REGION SET 1
PRE-BOARD -1(2022-23)
SUBJECT: ENGLISH CORE
CLASS: XII
Marking Scheme

Section A READING SKILLS (20 marks)

I. Passage (Factual, Descriptive or Literary)

Q. No.		PASSAGE I (Responses)
1.		by providing us the work culture that is borderless and inclusive
2.		by providing the flexibility of a hybrid working model
3.	i.	can employees use 'saved time' to take up another job?
	ii.	is it ethical for the employees to pursue another job during or after their official and contractual working hours?
	iii.	would taking up second job lead to any conflict of interest or breach of confidentiality? (Any One)
4.		to move up the value chain and remain competitive
5.		two corner stones are: trust and transparency
6.	c.	United States (USA)
7.	a.	Gig
8.	b.	Flexible
9.	c.	they feel valued
10.	d.	employee and employer

II. Passage (Case Based Unseen Passage)

Q. No.		PASSAGE II (Responses)
1.	c.	2017
2.	c.	They are afraid of covid virus
3.	d.	(i), (iii), and (v)
4.	b.	Check mosquito breeding
5.	c.	Check for the larvae and breeding
6.	b.	Toothache
7.	d.	Any of the above
8.	c.	To throw away
9.		The numbers of dengue cases have reduced a lot by 2020 as compared within the year 2017 and onwards.
10.		By letting overhead water tanks exposed, letting the water collected in flower pots, keeping refrigerator trays in the backyard, water trapping in the bathrooms.

SECTION B – CREATIVE WRITING SKILLS (20 MARKS)

Q. No	Sub Q.No	Allotment of Marks	Value point suggestion
III.	i.)	<p><u>Notice Writing</u></p> <p>Total Marks -5</p> <p>Format- 1</p> <p>Organisation of Ideas- 1</p> <p>Content- 2</p> <p>Accuracy of Spelling-1</p> <p>Grammar</p> <p>(format: Name of issuing organization, the word NOTICE in capitals, date, Title/heading + sign & name of issuing authority / person with designation)</p> <p>(To be written in a box)</p>	<p>A) Heading: “Kartavya Path” Photography contest.</p> <p>5</p> <ul style="list-style-type: none"> • Class, Age group • date, time, venue • Contact details. <p align="center">OR</p> <p>B) Heading: A lecture on need of India’s E-commerce website.</p> <p>1</p> <ul style="list-style-type: none"> • Class, Age group • Name of the renowned economist to deliver the lecture <p>Date, time, and venue</p> <ul style="list-style-type: none"> • Contact details.

Q. No	Sub Q.No	Allotment of Marks	Value point suggestion
III	ii.)	<p><u>Formal Letter (Invitation)</u></p> <p>Total Marks- 5</p> <p>Format-1</p> <p>Organisation of Ideas -1</p> <p>Content- 2</p> <p>Accuracy of Spelling</p> <p>Grammar -1</p> <p>(To be written in a box)</p>	<p>A) Formal Letter Invitation</p> <p>5</p> <ul style="list-style-type: none"> • Invite for being a chief guest in the fest. • Date, time, venue <p align="center">OR</p> <p>B) Formal Reply:</p> <p>1</p> <ul style="list-style-type: none"> • Acknowledging the invite • Date, time, venue • Convey acceptance / Refusal with reason • Polite, formal language • Contact details

Q. No	Sub Q.No	Allotment of Marks	Value point suggestion
III	iii.)	<p><u>Letter Writing (Application)</u></p> <p>Total Marks-5</p> <p>Format-1</p> <p>Organisation of Ideas- 1</p> <p>Content- 2</p> <p>Accuracy of Spelling</p> <p>Grammar- 1</p>	<p>A) Application for Job</p> <p>5</p> <p>Cover letter- → introduction</p> <p>→ reference of the advertisement given</p> <p>→ any relevant reason of applying for the job</p> <p>1</p> <p>→ any relevant qualities that makes the candidate suitable for the job</p> <p>1</p> <p>→ Bio Data – Personal Information</p> <p>2</p> <p>→ Qualifications and experience that match the job profile like B.Tech / M.Tech in mechanical engineer</p> <p>1</p> <p>→ has prior experience as mechanical engineer in the company</p>

	<p>Format :</p> <p>(A) Letter writing (to the Editor)</p> <p>Format:</p> <ol style="list-style-type: none"> 1. sender's address 2. Date 3. receiver's address 4. subject 5. Salutation (4 & 5 are interchangeable) 6. complimentary close 	<p>→ References 2</p> <p>→ Address , Contact no. , email id.</p> <p style="text-align: center;">OR</p> <p>B) Letter to the Editor</p> <p>→ Mention the plight of Mayur Vihar residents</p> <p>→ No bus stop within a radius of 2Kms.</p> <p>→ other modes of transport like the autos and taxis also do not have a stand near by</p> <p>→ Difficulty in commuting</p> <p>→ Suggestion regarding availability of transport so that the inconvenience being caused to residents is permanently removed.</p> <p>→ Any other relevant points.</p>
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Q. No	Sub Q.No	Allotment of Marks	Value point suggestion
III	iv.)	<p><u>Report & Article Writing</u></p> <p>Total Marks-1</p> <p>Formats- 1</p> <p>Organisation of Ideas- 1</p> <p>Content- 2</p> <p>Accuracy of Spelling Grammar- 1</p> <p>(A) Report writing</p> <p>Format of a report - Title - Reporter's name/ as a correspondent Content (split into paragraphs)</p> <p><u>OR</u></p> <p>(B) Article Writing</p> <p>Format of the Article</p> <ul style="list-style-type: none"> - Heading - By line (name, class) (may be listed at the end too) - Body (split into paragraphs) 	<p>A) Report Writing</p> <p>5 Mentioning what, where and when of the event...</p> <p>1 Mentioning the key themes of the events - → Inauguration by honourable Minister of Electronics and IT</p> <p>1 → Making India Aatma Nirbhar in electronics system design and manufacturing</p> <p>2 → Digital Payments</p> <p>1 → Speeches given by Top-Notch officials → Award giving ceremonies conducted → Any other valid relevant information</p> <p style="text-align: center;">OR</p> <p>B) Article Writing</p> <p>→ Environmental degradation and climate change – A global phenomena</p> <p>→ Action required at the level of individuals, communities and institutions, to bring a significant dent in the environmental and climate crisis.</p> <p>→ Eco friendly behaviour in daily lives can bring in a significant drop in carbon emissions globally</p> <p>→ Lifestyle for the Environment should be taken as an international mass movement towards "mindful and deliberate utilisation, instead of mindless and destructive consumption to protect and preserve this environment</p> <p>→ To live a life that is in tune with Earth and does not harm it.</p> <p>→ Any other relevant points.</p>

SECTION C – LITERATURE (40 MARKS)

Q. No.	Responses
IV (i)	i. 'One' here refers to a car owned by a city dweller that stops at the roadside stand.
	ii. iv) Anaphora
	iii. No, the car didn't stop to enquire for the prices.
	iv. iii) Because their wish of earning from city folk could not be realised or fulfilled.
	v. They were rather infuriated at city folks ignorance, for they could clearly see that they were farmers selling fruits and vegetable and not gas.
	vi. The name of the poem is 'A Roadside Stand' and the poet's name is 'Robert Frost'

OR

	i. (ii) Because the tigers are in their natural habitat where they belong
	ii. They symbolize spirit of freedom / fearlessness / courage
	iii. (iv) All of these
	iv. Because they are fully aware of their physical strength and power
	v. They are different from their creator in that they are fearless and free unlike Aunt Jennifer who is submissive and bonded.
	vi. (iii) Alliteration

Q. No.	Responses
IV (ii)	a.) ii.) the Maharaja prevented a British officer from killing tigers.
	b.) ii) the Maharaja was afraid of losing his kingdom
	c.) Deliberation means discussion or thinking about something in detail
	d.) Around fifty rings

OR

	a.) iii) To highlight that labels are arbitrary and essentially reflect a common life experience.
	b.) iii) Gloomy
	c.) b.) Option (i) and (iv)
	d.) iii) One man's freedom fighter is another man's terrorist.

Q. No.	Responses
IV(iii)	i.) c.) the crowd was listening only to Gandhi.
	ii.) b) dread instilled in the hearts of Indians had begun to lessen.
	iii.) c) Sarcastic
	iv.) d) polite and friendly
	v.) a.) Details of the daily problems faced by human beings.
	vi.) a.) Gandhi

OR

	i.	b) wife
	ii.	d) all of these
	iii.	a) Unpleasant
	iv.	b) News Reporter
	v.	a) Christopher Silvester
	vi.	b) kindness

V. Short Answer Questions (Attempt any five of six in 40-50 words) (5x2 = 10 marks)

Q. No.		Value Points
A	-	Because he was an Englishman
	-	Gandhi ji believed that this move would indicate that the lawyers could not win their battle without the support of Englishmen.
	-	It would also prevent them from being self-reliant
B	-	The Gemini family saw the plays over and over again
	-	They admired their high quality costumes and well made sets.
	-	The sunrise and sunset scene in 'Jotham Valley' was reproduced by Tamil Drama Companies for years.

C.	-	Though his fiction made him reach a much larger audience, the professor prefers being referred to as an academic scholar.
	-	He participates in academic conferences and not in writer's meetings
	-	He identifies himself more with the academic community and turns to fiction only when he is not pursuing some scholarly work.
D.	-	Treated as real captain even after knowing truth.
	-	Wanted to repay Edla's kindness
	-	Retained the dignity and respect according to him.
E	-	Here beauty has been referred to as an "endless fountain" which is an eternal source of motivation, an elixir of life and a precious gift from heaven.
	-	It gives us infinite pleasure & delight and motivates us to continue our journey of life.
F	-	The sadness that the Poet refers to is our inability to just slow down and look on the inside – instead of ignoring our needs.
	-	The poet wants us to realise that just surviving is a sad way of living .

VI. Attempt ANY TWO out of the three questions from Vistas given below in 40-50 words each. (2 x 2=4)

Q. No.		Value Points
i.	-	Single cell grass-feeds the entire southern ocean's marine life required low degree temperature, due to overheating its existence threatened. Food chain disrupted.
ii.	-	One side of Derry's face was severely burnt by acid
	-	The eyes of the onlookers made him think that he was very ugly
	-	Nobody liked or loved him
	-	Suffered from an acute lack of self-regard and rejection
iii.	-	Man's desire to escape into the world of imagination
	-	Fabulous ordinariness of bygone age; exuded peace & tranquillity.

VII. Attempt one of two from Flamingo (In 120-150 words) (1X 5= 5 marks)

Q. No.		Value Points
	-	Sophie's dream of owning an amazing boutique sounds very impractical
	-	She builds castle in the air
	-	Jansie tells Sophie that they were ' earmarked for biscuit factories'
	-	Her father suggests that she should think of buying the family 'a blessed decent house to live in'
	-	She is into day-dreaming and hero-worship
	-	More in her fantasy and less on realty grounds
OR		
	-	Aunt Jennifer's tigers presents a picture of a woman oppressed by male chauvinism
	-	She needs freedom from her burdensome husband whose ring on her finger is like a handcuff which has snatched all her freedom and happiness.
	-	She was tormented by her husband, as symbolised by her trembling fingers
	-	This prompts her to create tigers who are brave and fierce and can roam around without fearing men.
	-	She was not free to do whatever she wished
	-	Over burdened by her marital responsibilities

VIII. Attempt one of two from Vistas (120-150 words) (1X5 = 5 marks)

Q. No.		Value Points
	-	Dr. Sadao faces a dilemma of choosing between the needs of a helpless person and his duties towards his country.
	-	As a Japanese he is expected to surrender the American Prisoner of war to the police
	-	As a doctor by profession he cannot allow the wounded Tom to die in absence of treatment
	-	Hana, too, is filled with kindness to the brim
	-	She overpowers the urge to be ruthless to the wounded American and allows the value of humanity to prevail
	-	Dr. Sadao and Hana even tolerated the non-cooperation of his servants
	-	Dr. Sadao planned a safe escape of the prisoner of war
OR		

	-	The sub topic "We too are Human Beings" highlights high caste – low caste discrimination in society by describing the author's observation when she was a young child
	-	An elderly member from the low caste was made to walk awkwardly so that he did not touch the vadais
	-	Mere touching would have rendered them unfit to be eaten by his masters
	-	Practice of untouchability makes the low caste people suffer indignity and humiliation
	-	Discriminatory behaviour belittles and segregates them from mainstream society
	-	Advice by her elder brother to overcome this problem
	-	He tells her to empower herself through educating and thus outdo her fellow students from upper caste.

CLASS XI

Subject-Physics

- Prepare for unit test-II .(syllabus –chapter 8,9,10,11)
- Prepare the project report along with model(you can make extension cord or any project useful for your practicals in physics lab)
- Try to explore and use innovative ideas for making project for JNNSMEE-2023
- Complete your practical files and activity file.

CLASS XII

Subject- Physics

- Prepare well for pre board examination-2 from NCERT as advised, FAQ'S given, study material given and LATEST CBSE 2023 sample paper
- Prepare the project along with report if not submitted yet.
- Complete 10 sample papers in a separate NEW register. Write question with black ink and answer with blue ink.
- Complete your practical files and activity file if not submitted yet.
- Practice reasoning assertion questions and case study questions.

KENDRIYA VIDYALAYA AFS RAJOKRI
PRACTICE PAPER CHEMISTRY
WINTER BREAK HOLIDAYS HOMEWORK

SECTION-A MCQs		
Q1.	In which of the following, central atom is sp^3 hybridized? a) CH_3^+ b) NH_4^+ c) NO_2^+ d) CO_3^{2-}	
Q2.	Among LiCl, RbCl, $BeCl_2$ and $MgCl_2$, the compounds with least and greatest covalent characters respectively are a) $MgCl_2$, RbCl b) RbCl, LiCl c) RbCl, $BeCl_2$ d) $MgCl_2$, $BeCl_2$	
Q3.	Which one of the following is the correct set of four quantum numbers (n, l, m, s) a) (3, 0, 1, $\frac{1}{2}$) b) (4, 3, -2, $\frac{1}{2}$) c) (3, 1, -1, 0) d) (1, 1, 1, $\frac{1}{2}$)	
Q4.	The no. of angular and radial nodes in 6p orbitals respectively are a) 4,3 b) 1,4 c) 4,1 d) 3,4	
Q5.	Which of the following molecular species has unpaired electron(s)? a) N_2 b) F_2 c) O_2^- d) O_2^{2-}	
Q6.	The correct order of ionization energy of C, N, O, F and Ne is a) $C < O < N < F < Ne$ b) $Ne < C < N < O < F$ c) $C < N < O < F < Ne$ d) $Ne < C < O < N < F$	

Q7.	Which of the following is an Extensive property? a) Molarity c) Density	b) Dielectric constant d) Entropy	
Q8.	The internal energy change when a system goes from state A to B is 40Kj/mol. If the system goes from A to B by a reversible path and returns to state A by an irreversible path. What would be the net change in internal energy? a) 40kj b) >40Kj c) <40Kj d) Zero		
Q9.	The no. of unpaired electrons in Cu ⁺ is/are? a) 0 b) 1 c) 2 d) None of these		
Q10.	1g methane and 4g of compound X have equal number of moles. This molar mass of X is: a) 16g/mol b) 32g/mol c) 64g/mol d) 4g/mol		
Q11.	Which of the following will have maximum electron affinity? a) $1s^2 2s^2 2p^5$ b) $1s^2 2s^2 2p^6$ c) $1s^2 2s^2 2p^6 3s^2 3p^5$ d) $1s^2 2s^2 2p^6 3s^2 3p^6$		
Q12.	Atomic radii of F and Ne in A are given by: (A=Angstrom) a) 0.72, 1.60 b) 1.6, 1.6 c) 0.72, 0.72 d) 1.60, 0.72		
Q13.	What mass of Carbon Dioxide could be formed by the reaction of 16g methane with 48g of Oxygen gas? a) 44g b) 33g c) 16g d) 24g		
	ASSERTION-REASON TYPE		
	Directions: These questions consist of two statements, each printed as Assertion and Reason. While answering these questions, you are required to choose any one of the following four responses. (a) If both Assertion and Reason are correct and the Reason is a correct explanation of the Assertion. (b) If both Assertion and Reason are correct but Reason is not a correct explanation of the Assertion. (c) If the Assertion is correct but Reason is incorrect. (d) If both the Assertion and Reason are incorrect.		
Q14	Assertion:- Equal moles of different substances contain same no. of particles. Reason:- Equal weight of different substances contain same no. of particles.		
Q15	Assertion:- All isotopes of a given element show the same type of chemical behaviour. Reason:- The chemical properties of an atom are controlled by the no. of electrons in the atom.		

Q16	Assertion:- Smaller the size of an atom, greater is the electronegativity. Reason:- Electronegativity refers to the ability of an isolated gaseous atom to attract electron itself.	
Q17	Assertion:- Though the central atom of Both NH_3 and H_2O molecules are sp^3 hybridised, yet the H-N-H bond angle is greater than that of H-O-H. Reason:- This is because nitrogen atom has one lone pair and oxygen atom has two lone pairs in their respective compounds.	
Q18	Assertion:- The specific heat of a gas in an isothermal process is infinite and in a adiabatic process is Zero. Reason:- Specific heat of a gas is directly proportional to change of heat in system and inversely proportional to change in temperature.	
SECTION-B		
Q19	Although both CO_2 and H_2O are triatomic species, the shape of H_2O molecule is bent while that of CO_2 is linear. Why? And also explain which of these species possess high dipole moment? OR i) Why PCl_5 exists but NCl_5 does not? ii) Name the different type of bonds present in NH_4Cl .	1+1 1+1
Q20	Define electron gain enthalpy. Explain why is electron gain enthalpy of Be and Mg positive?	1+1
Q21	Derive the relation between C_p and C_v .	2
Q22.	The density of 3 molal solution of NaOH is 1.110g/ml. Calculate the Molarity of the solution.	2
Q23.	A 1.25g sample of octane (C_8H_{18}) is burnt in excess of oxygen in a bomb calorimeter. The temperature of the calorimeter rises from 294 to 300K. If heat capacity of the calorimeter is 8.9KJ/K. Find the heat transferred to calorimeter. OR In a process, 701 J of heat is absorbed by a system and 394 J of work is done by the system. What is the change in internal energy for the process?	2
Q24.	Among the following species, which one is most paramagnetic and which one is colorless and why? Cu^{2+} , Fe^{2+} , Cr^{3+} , Zn^{2+}	1+1
Q25.	Calculate the cost of 2 moles of sugar if the cost price of sugar ($\text{C}_{12}\text{H}_{22}\text{O}_{11}$) is Rs.20 per Kg.	2
SECTION-C		
Q26.	i) What is the frequency of 4 th line in balmer series of Hydrogen spectrum? ii) An element has 2 electrons in K shell, 8 electrons in L shell, 13 electrons in M shell and 1 electron in N shell. What is the element?	2+1
Q27.	A compound containing sodium, sulfur, hydrogen and oxygen, gave the following result on analysis: Na=14.28%, S=9.9%, H=6.2%. If all the atoms of hydrogen in the compound are present in combination with oxygen as water of crystallization, what is the structure of the anhydrous compound? Molecular mass of crystalline salt is 322.	3

Q28.	<p>i) Which one among the following elements has the lowest first ionization enthalpy and which one has the highest first ionization enthalpy? Li, K, Ca, S and Kr</p> <p>ii) Arrange the following ions in order of increasing ionic radii:- Li⁺, Mg²⁺, K⁺ and Al³⁺</p> <p>iii) Arrange the following in decreasing order of electropositive character: Cu, Fe and Mg</p>	1*3=3
Q29.	<p>i) Compare the bond energy and magnetic character of O₂⁺ and O₂ species. ii) Draw the structures of XeOF₂ and POCl₃.</p> <p style="text-align: center;">OR</p> <p>i) Arrange the following species in order of decreasing bond angle with suitable reason:- NO₂, NH₂⁻, NO₂⁺</p> <p>ii) Which of the following compound is more volatile (low Boiling Point) and why o-nitrophenol and p-nitrophenol</p> <p>iii) Draw and explain the shape of I₃⁻ ion.</p>	2+1 OR 1*3=3
Q30.	<p>The reaction of cyanamide, NH₂CN(s), with dioxygen was carried out in a bomb calorimeter, and ΔU was found to be -742.7 KJ/mol at 298K. Calculate enthalpy change for the reaction at 298 K.</p> $\text{NH}_2\text{CN(s)} + 3/2\text{O}_2 \longrightarrow \text{N}_2(\text{g}) + \text{CO}_2(\text{g}) + \text{H}_2\text{O}(\text{l})$ <p style="text-align: center;">OR</p> <p>i) Find the enthalpy of formation of Ammonia (NH₃) $\text{N}_2(\text{g}) + 3 \text{H}_2(\text{g}) \longrightarrow 2 \text{NH}_3; \Delta H^* = -92.4 \text{KJ/mol}$</p> <p>ii) For the reaction at 298K, $2\text{A} + \text{B} \longrightarrow \text{C}$ ΔH = 400 KJ/mol and ΔS = 0.2 KJ/K mol. At what temperature will the reaction become spontaneous considering ΔH and ΔS to be constant over the temperature range?</p>	3 OR 1+2
	<p>SECTION-D</p> <p>CASE BASED QUESTIONS</p> <p>Read the following passage and answer the following questions</p>	
Q31.	<p>Periodic properties show a regular gradation on moving from left to right in a period or from top to bottom in a group. Down a group, the atomic/ionic radii, metallic character increases while ionization enthalpy and electronegativity decreases. Along a period from left to right, atomic/ionic radii and metallic character decreases while ionization enthalpy, electronegativity and non-metallic character increases. However electron gain enthalpy becomes less negative down a group but more negative along a period. In contrast, inert gases have positive electron gain enthalpies which do not show any regular trend.</p> <p>ANSWER THE FOLLOWING QUESTIONS:-</p> <p>i) If the ionic radii of K⁺ and F⁻ are about 134pm each, then the expected values of atomic radii of K and F should be respectively:</p> <p>a) 231 and 64pm b) 231 and 134pm c) 64 and 231pm d) 134 and 134pm</p>	4*1=4

	<p>ii) Which of the following isoelectronic ions has lowest ionization enthalpy: a) K⁺ b) Ca²⁺ c) Cl⁻ d) S²⁻</p> <p>iii) Which has the positive electron gain enthalpy from the followings: a) Na b) Cl c) Ar d) S</p> <p>iv) Among the following elements, the most metallic one is: a) Cl b) Al c) Ba d) Li</p>	
Q32.	<p>Knowing the reactants and products of a reaction, the next step is to write the balanced equation for the reaction. Taking known amounts of the reactants, the balanced equation can be used to find out the limiting reactants as well as the excess reactants. Knowing this, we can calculate the amount of any product formed in the reaction.</p> <p>ANSWER THE FOLLOWING QUESTIONS:</p> <p>i) What will be the value of x, y and z in following reaction: $x \text{ C}_2\text{H}_2 + y \text{ O}_2 \longrightarrow z \text{ CO}_2 + 2 \text{ H}_2\text{O}$ a) 2,4,3 b) 1,2,3 c) 2,5,4 d) none of these</p> <p>ii) If 100 ml of acetylene were mixed with 100 ml of oxygen and the mixture subjected to combustion in a closed vessel, which one is the limiting reactant? a) C₂H₂ b) O₂ c) none of them d) not defined</p> <p>iii) What will be the volume of CO₂ gas formed when 100 ml of acetylene were mixed with 100 ml of oxygen? a) 48 ml b) 64 ml c) 100 ml d) none of these</p> <p>iv) If CO₂ produced above is passed through lime water, write the balanced equation for the reaction.</p>	1*4=4
SECTION-E		
Q33.	<p>i) Calculate energy if 2mole of photons of radiation whose frequency is 5×10^{14} Hz.</p> <p>ii) We don't see a car moving as a wave on the road why?</p> <p>iii) What transition in the hydrogen spectrum would have the same wavelength as the Balmer transition, n=4 to n=2 of He⁺ spectrum?</p>	1+1+3
Q34.	<p>i) Explain in which of the following, entropy increases/decreases. a) H₂(g) \longrightarrow 2H (g) b) Temperature of a crystalline solid is raised from 0K to 110K.</p> <p>ii) Calculate the standard enthalpy of formation of CH₃OH(l) from the following data:- $\text{CH}_3\text{OH}(\text{l}) + 3/2\text{O}_2(\text{g}) \longrightarrow \text{CO}_2(\text{g}) + 2\text{H}_2\text{O}; \Delta_r H^\circ = -726 \text{ kJ/mol}$ $\text{C}(\text{g}) + \text{O}_2(\text{g}) \longrightarrow \text{CO}_2(\text{g}); \Delta_c H^\circ = -393 \text{ kJ/mol}$ $\text{H}_2(\text{g}) + 1/2\text{O}_2(\text{g}) \longrightarrow \text{H}_2\text{O}(\text{l}); \Delta_f H^\circ = -286 \text{ kJ/mol}$</p> <p style="text-align: center;">OR</p> <p>i) Justify the following statements: a) An exothermic reaction is always thermodynamically spontaneous. b) The entropy of a substance increases on going from liquid to vapour state at any temperature.</p> <p>ii) Calculate the work done when 11.2 g of iron dissolves in hydrochloric acid in \rightarrow</p>	2+3

	a) A closed vessel. b) An open beaker at 25°C.	
Q35.	i) Give the molecular orbital diagram for O ₂ molecule. ii) Compare the Bond order and bond length in O ₂ ⁺ , O ₂ , O ₂ ⁻ and O ₂ ²⁺ species. iii) Define Hydrogen bonding. Give one example of the compounds having intermolecular H-Bonding and intramolecular H-Bonding.	2+1+2
	OR	
	i) Using VSEPR theory, draw the molecular structure of OSF ₄ and XeF ₄ indicating the location of lone pair(s) and hybridization of central atom. ii) Why reaction between NaCl and AgNO ₃ is very fast but reaction between H ₂ and Cl ₂ is slow? iii) Out of CO ₂ and SO ₂ , which is more soluble in water and why?	3+1+1

- * Complete your practical files.
- * Make an investigatory project in chemistry.
- * Make the mind map of all the chapters studied until now.
- * Keep revising your concepts for final and periodic test two examinations.
- * Learn the atomic masses & atomic number of elements and the periodic tables.

KV AFS Rajokri, New Delhi

Winter Break Holidays Home work

S. No.	Class	Subject	Topic
1	XII	Computer Science	I. Install MySQL and start the query practice
			II. Read study materials from https://shikshanmate.com/
			III. Read Mind Map, Tips note from https://shikshanmate.com/
			IV. Make Practical file as per CBSE board
			V. Make Project File as per CBSE board
			VI. Solve Pre Board-2 (10) sample paper
			VII. Complete First PB Follow up
2	XI	Computer Science	I. Make Practical file as per CBSE board
			II. Make Project File as per CBSE board
			III. Read Mind Map, Tips note from https://shikshanmate.com/
			IV. Make notes of Python Chapters (Solved & Unsolved problems)
			V. Complete Practical note book for the Python chapters

			VI. Solve 05 Periodic Test-2 sample paper
			VII. Complete Half Yearly Follow up
3	X	Artificial Intelligence	I. Install Python and start the program practice
			II. Read study materials from https://shikshanmate.com/
			III. Read PPT from https://shikshanmate.com/
			IV. Make Practical file as per CBSE board
			V. Make Project File as per CBSE board
			VI. Solve Pre Board-2 (10) sample paper
			VII.) Complete First PB Follow up

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शीतकालीन अवकाश गृहकार्य
हिंदी

कक्षा 12

1. संपूर्ण पाठ्यक्रम की पुनरावृत्ति कीजिए।
2. एक अलग नोटबुक में 10 सैंपल पेपर का अभ्यास करो।
3. प्रत्येक पाठ से 25 -25 MCQ करो।
4. परियोजना कार्य पूर्ण करो।
5. अभिव्यक्ति मध्यम के सभी पाठों के 25 -25 MCQ करो।

कक्षा 11

1. दिया गया परियोजना कार्य सुंदर उचित तरीके से पूर्ण करो।
2. द्वितीय सत्र में कराए गए पाठों और कविताओं के साथ लिखो।
3. वितान का आलो आधारी पाठ पढ़ो वह नोट्स बनाओ।
4. प्रत्येक पाठ से 25 -25 MCQ करो।
5. नोटबुक पूर्ण करो।

कक्षा 7

1. बाल महाभारत के सभी पाठ पढ़ो व मुख्य बिंदु (नोट्स) बनाओ।
2. संधि व समास की परिभाषा लिखो तथा प्रत्येक के 20 उदाहरण लिखो।
3. इक और इत प्रत्यय से 20 शब्द बनाओ।
4. अपने व मित्र के मध्य अपनी पढ़ाई को लेकर हुई बातचीत का संवाद लेखन कीजिए
5. अपने मोहल्ले की सफाई के लिए स्वास्थ्य अधिकारी को पत्र लिखि
6. प्रतिदिन हिंदी की पुस्तक पढ़ने का अभ्यास करो ।
7. प्रतिदिन हिंदी के अखबार के कोई दो सकारात्मक और शैक्षिक जानकारी पूर्ण समाचार फाइल पेज पर कटकर चिपकाओ।

Holiday home work(WINTER BREAK)2022-23

Class XII B

(ACCOUNTANCY)

1. Project work : one comprehensive problem and two specific problems along with all introduction pages .

2. CBSE sample papers 2022-23 are to be done in note book.
3. 10 samples question papers to be solved in separate note book
4. 10 questions from cash flow statement and 20 questions from ratio analysis to be done in home work note book for the practice of written practical exam and viva .
5. Entire syllabus to be revised for 2nd pre board .
6. 10 MCQ from each chapter to be done in note book

Holiday home work(WINTER BREAK)2022-23

Class XII B

(BUSINESS STUDIES)

1. Project work : On given topics along with all introduction pages .
2. Latest CBSE sample papers 2022-23 are to be done in note book.
3. 10 questions of case studies/ application based from each chapter to be done in note book.
4. Mind maps / flow charts are to be made of each chapter.
5. Questions from 10 days worksheet to be written in note book that have already been given to the students(30 questions)
6. Revise and do practice of all the chapters for 2nd pre board and practical exam .
7. Marketing management , principles of management and business environment to be prepared for practical exam and viva .

Holiday home work(WINTER BREAK)2022-23

Class XI B

(ACCOUNTANCY)

1. Half yearly question paper is to be done in notebook .

2. 10 MCQ's to be done in note book from each chapters that have already been taught in class .
3. 5 questions each from the following topics ;
Journal proper along with banking transactions and trial balance .
4. Notebook to be completed during autumn break .
5. Revise and do practice of chapters that have been taught for preparation of Up coming exams
6. Project work : one comprehensive problem is to be done .

Holiday home work(WINTER BREAK)2022-23

Class XI B

(BUSINESS STUDIES)

1. Mind maps of chapters covered after half yearly exams are to be made in note book.
2. Half yearly question paper is to be done in notebook .
3. 10 questions of case studies/ application based and 10 question of MCQS from the chapters taught after half yearly exams.
4. Entire exercise questions to be done in note book of chapter taught.
5. Notebook to be completed during winter break .
6. Revise and do practice of chapters that have been taught for preparation of up coming exams.
7. Project work : Banking , Insurance , Aids to trade , sources of business finance .

Holiday home work(WINTER BREAK)2022-23

Computer

Holiday Home work for winter break

Class-3

Answer the following questions in computer notebook.

1. You have seen so many effects in scratch. Write their names to do the following tasks.

Action	Name of Block
• Change the color of the sprite	_____
• Increase the size of the sprite	_____
• Decrease the size of the sprite	_____
• Remove all the color effects from sprite	_____
• To set the color of the sprite to a specific color	_____

2. Under which block "clear graphic effects" block available in scratch?

3. What is the meaning of "set size to..." block?

4. What is the meaning of "when sprite clicked" block?

5. "change color effect by..." block is used for _____.

Class-4

Answer the following questions in computer notebook.

1. What is Windows? What do you mean by file explorer?
2. Write the names of different panes in file explorer?
3. Is the window explorer same as the file explorer?
4. Write any two basis on which you can sort the files and folders?
5. What are the types of computer on the basis of data they can handle?
6. Name the type of computer used in smart watches?
7. Give one example of Special purpose computer?
8. Name two supercomputers made by INDIA?

Class-5

Answer the following question in computer notebook.

Q: Write the Various Operations—Operators block.

Ans: Various Operations—Operators block are:

1. Arithmetic operators— "Operators" block: -

There are 4 types of arithmetic operators present in "Operators" block. All these blocks are "reporter" blocks, means gives or returns some output.

a) "+" Block: - This block is used to add two values, given on the left side and right side of "+" operator.

b) "-" block: - This block is used to subtract two values, given on the left side and right side of "-" operator.

c) "*" block: - It is used to multiply two values, given on left side and right side of "*" operator.

d) "/" block: - it is used to divide two values, given on the left side and right side of "/" operator.

2. Relational operators— "Operators" block: -

There are 3 types of relational operators present in "Operators" block. All these blocks are "boolean" blocks, which checks the values gives output in true or false.

- a) ">" block: - This block is used to check whether the left-side value is greater than the right-side value or not.
- b) "<" block: This block is used to check whether the left-side value is less than the right-side value or not.
- c) "=" block: - This block is used to check whether the left-side value is equal to the right-side value or not.

3. Logical operators— "Operators" block: -

There are 3 types of logical operators present in "Operators" block. All these blocks are "boolean" blocks, which gives output in True or False.

- a) "and" block: - This block returns true when the left-side value and right-side value of "and" operator, both are true. E.g. pen and pencil means both pen and pencil.
- b) "or" block: - This block returns true when any one of the left-side value or right-side value of "or" operator, is true. E.g. pen or pencil means any one pen or pencil.
- c) "not" block: - This block returns true when the value of the variable is false otherwise true.

Class-6

Answer the following questions in computer notebook.

1. What is ARPANET?
2. Differentiate between Intranet & Internet.
3. Write the requirements for the Internet.
4. Write any two applications on the Internet.
5. Why it is important to upload files on Google Drive.

Class-7

Answer the following questions in computer notebook.

1. What is IoT?
2. Write some advantages of Online Collaboration.
3. What is Google Sheet?
4. What is Cloud Computing?
5. Differentiate between IoT and Cloud computing.
6. What are the common services provided by Cloud Technology?

Class-8

Answer the following questions in computer notebook.

1. What is E-learning? Give an example of E-Learning.
2. What is E-Governance? Give an example of service provided by E-Governance.
3. What is E-Commerce? Write names of two E-commerce sites.
4. What is Social Networking? Give some examples of social networking sites.
5. Write some advantages of E-Learning.

Class IX Holiday Home work (AI)

A. Multiple choice questions.

- (1) Which of the following is a sequential statement?
 - a) $a+=1$
 - b) $\text{if } a > b :$
 - c) $\text{while } a > 7 :$
 - d) all of the above.
- (2) Which of the following is a conditional statement?
 - a) $a+=1$
 - b) $\text{if } a > b :$
 - c) $\text{while } a > 7 :$
 - d) all of the above.
- (3) Which of the following is a loop statement?
 - a) $a+=1$
 - b) $\text{if } a > b :$
 - c) $\text{while } a > 7 :$
 - d) all of the above
- (4) Which of the following is true for a loop statement?
 - a) Loops can be finite.
 - b) Loops can be infinite.
 - c) Both a and b.
 - d) None of the above.
- (5) Which of the following is true for a loop statement?
 - a) Loops can be conditional.
 - b) Loops can be counting.
 - c) Both a and b.
 - d) None of the above.
- (6) Which of the following is a true for loop statement?
 - a) Loops can have Pre-Test condition check.
 - b) Loops can have Post -Test condition check.
 - c) Both a and b.
 - d) None of the above.


```
while a < 6 :  
    a+=1  
print(a)  
#end of program
```

5. **Practice-based questions.**

- (1) Write a program to find odd numbers from 0 to 50.
- (2) Write a program to find the sum of all numbers in a list.
- (3) Write a program to find the average of all numbers in a list.
- (4) Given a list of numbers, write a program to output the highest to the lowest number in order.

Answer the Following

1. **Distinguish between Machine Learning and Deep Learning**
2. **What are the rule based models?**
3. **What are the advantages and disadvantages of Decision Trees.?**
4. **How do Artificial Neural Networks Work?**
5. **Difference Between Artificial Neural Networks and Biological Neural Networks**
6. **Write an algorithm and then draw its flowchart to**
 - a) **Find the area of a triangle**
 - b) **Convert feet into inches**
7. **Read String, List every five examples.**
8. **Read Green Skills and Entrepreneurship**

ALL the best