

St. Andrews Scots Sr. Sec. School

9th Avenue, I.P.Extn., Patparganj, Delhi-110092

Session: 2023-24

Class - X

Winter Holiday Homework

whoa.in

A LITTLE
PROGRESS
EACH DAY ADDS
UP TO BIG
RESULTS.

- ALBERT EINSTEIN -

Whoa.ly



Edit with WPS Office

ENGLISH

- Complete your registers, with all chapters' notes shared in class group.
- Do the given worksheet in your registers.
- Revise all the syllabus done till date.

Worksheet - Grammar & Writing Skills

(a) Fill in the blank by choosing the correct option to complete the beginning of an article in a blog post on adolescence.

The importance of physical exercise as well as mental health _____ by the modern teenager.

- (i) are well understood. (ii) is well understood
(iii) is being understood well. (iv) will be well understood

(b) Read the conversation between a mother and daughter. Complete the sentence by reporting the daughter's reply correctly.

Mother enquired, "Aren't you feeling well? You look pale."

Saumya said, "I have a terrible headache. It is making me giddy."

Mother, wondering about her daughter looking pale asked about her well-being to which, the girl replied that _____

(c) Select the correct option to fill in the blank for the given line, from a health magazine.

You _____ all that cheese; it isn't good for you.

- (i) shouldn't be eating. (ii) ought not be eating
(iii) cannot eat. (iv) need not

(d) Identify the error and supply the correction for the following line, from a news report on the UNO.

All five permanent members have expressed the right of veto at one time or another.

(e) Complete the given narrative, by filling in the blank with the correct option.

Delhi Police _____ the description of a man who was last seen at the Kwality Restaurant which is on the Parliament Street.

- (i) is issued. (ii) have issued. (iii) had issued. (iv) are issuing

(f) Fill in the blank by using the correct word from the options available to you, for the given portion of a letter:

Subject: Inquiry regarding the online course in choreography

Refer to your advertisement regarding the online courses in choreography offered by your _____ institute, I want _____ that I am currently in XII class and preparing for my final exams.

- (i) esteemable, to say (ii) esteem; to tell
(ii) reputed; to suggest. (iv) reputable; to state



(g) Report the dialogue between two friends discussing a recent travel experience.

Som: A European tourist whom I met recently, wanted to be a Himalayan monk for the rest of his life.

Ron: Are you referring to that story about you meeting a European tourist with a strange desire?

When Som talked about a European tourist who wanted to be a Himalayan monk for the rest of his life Ron questioned him _____

(h) Identify the error in the given sentence from a newspaper article and supply the correction.

Mobile phones are being used both in urban and rural areas but the importance of mobile phones between students has been increasing day by day.

(i) Report the conversation between a young bird and her parent discussing her fears.

Young bird: I feel certain that my wings will never support me.

Parent bird: Your wings will believe what you believe in.

(j) Reverse the voice in the given sentence.

Will the mail be sent by you?

_____ you _____ the mail?

(i) would, sent. (ii) would, send

(iii) could, sent. (iv) will, send

(k) Select the correct option to the following sentences.

The lady looked out the window and said, "Wow! What an awesome view the house has!" Realtor. "That's why this property has always commanded the highest rent in these parts."

When the lady looked out the window and complimented _____ the realtor remarked that _____.

(l) Identify the error on a shop's hoarding and supply the correction, for the following sales offer.

Top barbarians under one roof in your city!

Get the latest haircuts and styles @ 15% discount.

Q2. Based on the visual given below, write a paragraph in about 100-120 words on the topic "Women's Empowerment."

Hints: Equipping women to allow them to make their own decisions—minimising dependence—woman education—Role of women changed in modern times—opportunities not sufficient—still a lot to be done.



Edit with WPS Office

हिंदी

संकेत-बिंदुओं के आधार पर लगभग 100 शब्दों में अनुच्छेद लिखिए-

(1) प्रकृति की रक्षा मानव की सुरक्षा

संकेत-बिंदु - • मनुष्य प्रकृति का अंग • प्रकृति से खिलवाड़ • दुष्प्रभाव और दूर करने के उपाय

(2) आप विद्यालय के हिंदी संघ के सचिव रजत चट्टोपाध्याय और श्वेता चट्टोपाध्याय हैं। अपने विद्यालय के प्रधानाचार्य को पत्र लिखिए जिसमें पुस्तकालय में हिंदी की अच्छी पुस्तकें व पत्रिकाएँ मँगवाने के लिए निवेदन किया गया हो।

(3) आप दसवीं कक्षा के अर्पित/अर्पिता हैं। भोजनावकाश के दौरान खेल के मैदान में आपका ब्लेज़र (कोट) कहीं छूट गया। उससे संबंधित जानकारी देते हुए लगभग 80 शब्दों में एक सूचना तैयार कीजिए।

(4) घर के पुराने फर्नीचर अच्छी कीमत में बेचने हेतु एक आकर्षक विज्ञापन तैयार कीजिए।

(5) आपके इलाके में केमिस्ट की दुकान में नकली दवाइयाँ बेची जा रही हैं। इसकी शिकायत करते हुए जिला स्वास्थ्य अधिकारी ई-मेल लिखिए।

*कक्षा में करवाया गया कार्य पूरा कीजिए और याद भी कीजिए।

Maths

Q1. A vessel is in the form of a hemisphere mounted by a hollow cylinder. The diameter of the sphere is 14 cm and the total height of the vessel is 13 cm. Find its Capacity.

Q2. The interior of a building is in the form of cylinder of diameter 4.3 m and height 3.8 m, surmounted by a cone whose vertical angle is 90° . Find the area and the volume of the building. $\pi = 3.14$

Q3. Prove :

$$1. \operatorname{Cosec}^2 \theta + \operatorname{Sec}^2 \theta = \operatorname{Cosec}^2 \theta \operatorname{Sec}^2 \theta$$

$$2. \sqrt{\operatorname{Sec}^2 \theta} + \sqrt{\operatorname{Cosec}^2 \theta} = \operatorname{Tan} \theta + \operatorname{Cot} \theta$$

$$Q4. \text{ Prove } (1 + \sin \theta)^2 + (1 - \sin \theta)^2 / \cos^2 \theta = 2(1 + \sin^2 \theta / 1 - \sin^2 \theta)$$

Q5. Do the following activities in Lab manual : 4, 6, 8, 9, 11, 13



Science

- *Prepare a presentation on the topics- 'Life Processes' or 'Reproduction' .(Max 5 minutes).
- * Complete notes of Physics , Chemistry and Biology (All chapters covered in class till now).
- * Revise syllabus covered till now for upcoming class tests.
- *Complete all the worksheets, shared in the class group.

Social Science

Instructions:-

- Do the following worksheet in any of your subject notebooks.
- Do the map work in the Geography notebook.
- Complete the notes of all the chapters done in class.
- Revise all the work done in class.

Worksheet

1. What was 'reading mania'?
2. What is the meaning of the Barter system ? Why is double coincidence of wants an essential feature of a Barter system ?
3. What is a collateral ? What happens if a borrower fails to repay the loan ? Give some examples of collateral.
4. Describe two different credit situations where credit plays a positive role and a negative role.
5. Explain the main features. of the first printed Bible.
6. Many historians have argued that print culture created the conditions under which the French Revolution occurred. Explain with three arguments.
7. How did the ideas of scientists and philosophers become more accessible to the common people after the beginning of the print revolution in Europe?
8. Write a brief note on conventional and non-conventional sources of energy.
9. What is a multi-party system? Why has India adopted a multi-party system?
- 10."Lack of internal democracy within parties is the major challenge to political parties all over the world". Analyse the statement.
11. Describe any five major functions performed by political parties.
12. Highlight the importance of petroleum.Explain the occurrence of



petroleum in India.

MAP WORK

Chapter 5- Minerals and Energy Resources

Identify:

Iron Ore mines- Mayurbhanj, Durg, Bailadila, Bellary, Kudremukh

Coal Mines - Raniganj, Bokaro, Talcher, Neyveli

Oil Fields- Digboi, Naharkatia, Mumbai High, Bassien, Kalol, Ankaleshwar

Locate & label: Power Plants

1. **Thermal -** Namrup, Singrauli, Ramagundam

2. **Nuclear -** Narora, Kakrapara, Tarapur, Kalpakkam

Chapter 6- Manufacturing Industries (Locating and Labelling only)

1. **Cotton Textile Industries:** a. Mumbai b. Indore c. Surat d. Kanpur e. Coimbatore

2. **Iron and Steel Plants:** a. Durgapur b. Bokaro c. Jamshedpur d. Bhilai e. Vijayanagar f. Salem

3. **Software Technology Parks:** a. Noida b. Gandhinagar c. Mumbai d. Pune e. Hyderabad, f. Bengaluru g. Chennai h. Thiruvananthapuram

Chapter 7- Lifelines of National Economy

(Locating and Labelling)

1. Major sea ports

Kandla, Mumbai, Marmagao, New Mangalore, Chennai, Haldia, Paradip, Kochi, Vishakhapatnam, Tuticorin

2. International Airports:

- Amritsar (Raja Sansi - Sri Guru Ram Dass jee)
- Delhi (Indira Gandhi)
- Mumbai (Chhatrapati Shivaji)
- Chennai (Meenam Bakkam)
- Kolkata (Netaji Subhash Chandra Bose)
- Hyderabad (Rajiv Gandhi)

ARTIFICIAL INTELLIGENCE

• DO THE FOLLOWING QUESTIONS IN YOUR AI NOTEBOOK

1. Srishti is a young woman who makes earrings. She buys jute from a farmer and makes earrings from that. She sees that most women in her village do not work. So, she hires two women to help her. As her orders increase, she hires three more women to work for her. How was she helping her village grow?

- (a) By selling earrings to women without a job
- (b) By purchasing earrings from the local market



- (c) By buying jute from the local farmer and by providing jobs to local women
 - (d) By attracting the women in her village with her creative earrings
2. Mary has two people who work for her. Every day, she spends one hour with them to learn about what they've done that day.
 - (a) Creates a new product
 - (b) Divides income
 - (c) Manages the business
 - (d) Takes risks
 3. Identify the incorrect statement(s) from the following: (i) Deep learning is a subset of Machine Learning (ii) Machine Learning is a subset of Deep Learning (iii) Artificial Intelligence is a subset of Deep Learning (iv) Deep Learning is the advanced form of AI and ML
 - (a) only (i)
 - (b) (ii) and (iii)
 - (c) (i) and (ii)
 - (d) Only (iii)
 4. We can't make "good" decisions without information. (True/False)
 5. The output given by the AI machine is known as _____ (Prediction/Reality)
 6. COMPLETE ALL 4 CHAPTERS OF INTRODUCTION TO AI IN YOUR OWN NOTEBOOK.
 7. LEARN ALL FOUR CHAPTERS AND BE PREPARED FOR TEST.

ART

Complete all the work done till now, in your Art File and Bring it for checking in your next art class.

