

Kendriya Vidhyalaya ONGC Agartala

WINTER BREAK – HOLIDAY HOME WORK

SOCIAL SCIENCE- CLASS- X

1. Project recommended by CBSE on consumer rights Every student has to compulsory undertake any one project on the following topics:

Social Issues

OR

Sustainable Development

2. Explain about the process of unification of Italy.
3. Describe the role of Mahatma Gandhi in Nationalist Movements.
4. What suggestions are put forth to reform the political parties?
5. How do Self Help Groups fulfill the economic needs of poor traders? How is it different from banks?
6. What do you understand by Globalisation? Explain the factors which enabled globalisation.
7. Who hosted the Vienna Congress? Analyse the changes brought by Vienna Congress.
8. Describe the geographical conditions required for the cultivation of Wheat.
9. Differentiate between the conventional and non conventional sources of energy.
10. Map Practice Chapter :- Nationalism in India, Resources And development, water resources, manufacturing industries, lifeline of Indian economy

Winter Break Holiday Homework (2023-24)

Class X (English)

1. Write a letter to the editor expressing your concern about the lack of awareness among the people regarding environmental degradation.
2. Write an analytical paragraph on the increasing cyber crimes in the society. Draw pie chart/graphs corresponding to your paragraphs.
3. Make a ppt on tenses (15-20 slides).
4. Solve 5 MCQ based editing passages.
5. Solve 1 discursive and 1 factual passage from the reading section (MCQ based).

6. Make a list of poetic devices with definition and one example each. (Minimum 20 poetic devices)
7. Write book review for two books
8. Read about nobel laureates of English literature and write about the best works of at least two of the nobel laureates.

*Submit the homework in project work file.

SCIENCE HOLIDAY HOMEWORK FOR WINTER BREAK 2023-24

CLASS: 10 SUB:SCIENCE

1. Explain in brief about 10 % law and Biological Magnification.
2. Show different food chains in your surroundings and explain using suitable diagrams.
3. Explain
 - a) Magnetic field due to current carrying straight conductor.
 - b) Magnetic field due to current circular loop.
 - c) Magnetic field due to current carrying solenoid.
 - d) Right Hand Thumb Rule.
 - e) Flemings Left Hand Rule.
4. Define the following and explain there SI unit:
 - a) Electric Current
 - b) Electric Potential
 - c) Ohm's law
 - d) Derivation of resistance in series and parallel.
 - e) Resistivity
 - f) Power and energy consumes
 - g) Joule's law of heating
5. Write about:
 - a) Carbon as a versatile element
 - b) Homologous series
 - c) Allotrophs
 - d) Hydrocarbons and their properties
 - e) Functional groups
 - f) About Ethanol and Ethanoic acid with reactions, properties and application

ARTIFICIAL INTELLIGENCE

WINTER BREAK HOLIDAY- HOME WORK(2023-24)

CLASS -10

QA. SOLVE THE FOLLOWING QUESTIONS

Q. 1 Answer any 4 out of the given 6 questions on Employability Skills (1x4 =4 marks)

i. Ravi works hard to get the best student award at the end of year. What type of motivation is this?

- (a) Internal
- (b) External
- (c) Both internal and external
- (d) Not any specific type of motivation

ii. Sonam used to always get very angry or upset at the smallest things if they went wrong. She decided to overcome this weakness and started using techniques to calm herself down and not react immediately to situations which were out of her control. This is called.....

- (a) Self-Awareness
- (b) Self-Motivation
- (c) Self-Regulation
- (d) Discipline

iii. Which of the following is not a measure to protect a computer from threats and viruses?

- (a) Not sharing password with friends
- (b) Limiting access to your device
- (c) Use Anti-virus
- (d) Leaving a computer without logging out

iv. create a chaotic atmosphere in a person's life and lead to a state of emotional disturbance known as 'stress'.

- (a) Endless greed
- (b) Achieving our goals
- (c) both a and b
- (d) Inability to communicate

v. An person is wholly responsible for the outcome of the task which he has undertaken.

- (a) Resourceful
- (b) Self-motivated
- (c) Independent
- (d) Individual

vi. Which of the following option is used to recall a file from Recycle Bin?

- (a) Restore
- (b) Recall
- (c) Refresh
- (d) Remove

Q2. Explain the Black Box problem.

Q3. What is AI Project Cycle? List its stages.

Q4. Explain the Bag of words model.

Q5. Mention some applications of NLP.

Q6. What is meant by accuracy?

Q7. Differentiate between ML and DL.

Q8. What is Natural Language Processing? How is it different from Natural Language Understanding?

QB. SOLVE TWO SAMPLE PAPERS.

Maths

Q.1 Solve at least 2 sample papers in A4 sheet

Q.2 Complete your lab activity file.