

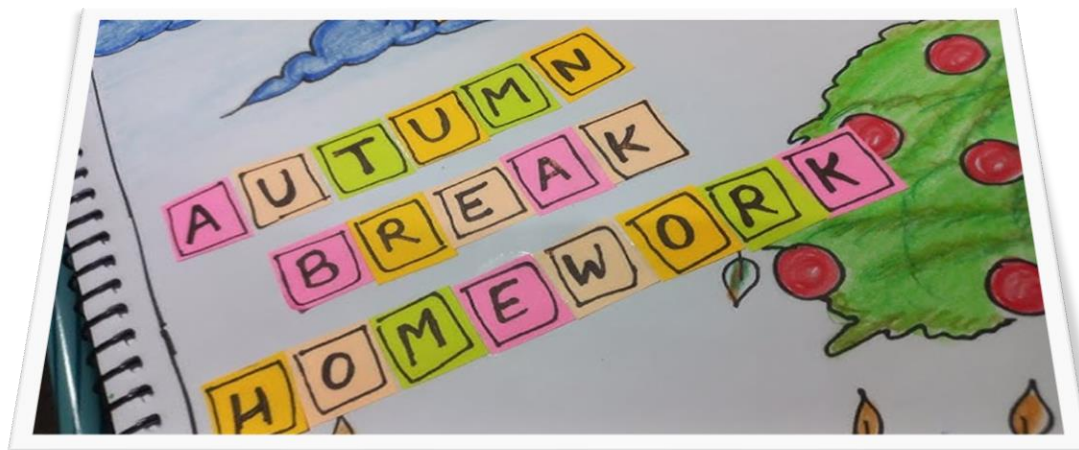


ARMY PUBLIC SCHOOL
FATEHGARH CANTT

AUTUMN BREAK

HOLIDAY HOME WORK

2024-25



ARMY PUBLIC SCHOOL, FATEHGARH
AUTUMN BREAK HOLIDAY HOMEWORK
CLASS – X
Session - (2024-25)

HINDI

1. हिंदी पोर्टफोलियो तैयार करें जिसमें निम्न बिंदु शामिल हों। निम्नलिखित कार्यों की एक फाइल तैयार करें।

1. अपना परिचय
2. परिवार का विवरण
3. अपनी पसंदीदा पुस्तक की समीक्षा
4. प्रिय कवि व लेखक पर लेख

ENGLISH

1. Watch English movie on the life of Gautama Buddha and write summary of the chapter 'Sermon at Benares' from First Flight book. This story will be asked in speaking activity.
2. Complete your work of the topics taught in the class.

PROJECT WORK:

Collect pictures and information of dresses, cuisines, dance, religious places, rituals and customs of Arunachal Pradesh and paste them in a project file. Write short notes on each feature comparing it with your own state.

Each student should prepare and submit his/her Project Work Report. Following essential need to be fulfilled for its preparation and submission.

The following parameters will be applicable for the Topic.

The project report should be developed in the following sequence –

- Cover page: School Name, logo, Title statement, Name of the Student and Year /session
- Index (list of contents)
- Acknowledgements and Preface
- Certificate
- Introduction statement (The purpose of the Project)
- Detailed Project
- Learning outcomes/experiences

** (Use A4 size sheets).

** (Project work should be well illustrated with relevant/related/supportive photos/pictures thereof)

MATHEMATICS

CLASS: X		SUBJECT: MATHEMATICS
	QUESTIONS:	
1	Prove that the angle between the two tangents drawn from an external point to a circle is supplementary to the angle subtended by the line-segment joining the points of contact at the centre.	
2	In a circle of radius 21 cm, an arc subtends an angle of 60° at the centre. Find: (i) The length of the arc. (ii) Area of the sector formed by the arc. (iii) Area of the segment formed by the corresponding chord.	
	ACTIVITIES:	
1	To verify the formula for the area of a triangle by graphical method.	
2	To verify Basic Proportionality Theorem.	
3	To verify experimentally that the tangent at any point to a circle is perpendicular to the radius through that point.	
4	To verify that the lengths of tangents to a circle from some external point are equal.	

SCIENCE

1- Practice or solve three sample papers (previous year's questions paper-CBSE).

2-Students are encouraged to prepare a brief write up to any concept of the chapter-Management of natural resources in their Portfolio. Select and prepare any one topic (for project work) from given below....

- a- Five R's to save environment
- b- Conservation of Forest and wild life
- c- Water for all
- d-Dams- Advantages and Disadvantages
- e- Conservation of Coal and Petroleum
- f- Conservation of Natural resources.

SOCIAL SCIENCE

Write the answers of the following questions:

1-What were the main proposals of the Vienna Congress?

2- Why do we need to conserve Resources ?

- 3- Write any three features of zaid crops.
- 4- What was the Agenda 21?
- 5- Describe the types of power sharing.
- 6-What is vertical power sharing?
- 7- Describe the process of unification of Italy.
- 8- Why do different people have different developmental goals? Explain .
- 9- On an outline map of India show the following major sea ports with appropriate symbol:
 - i. Kandla,
 - ii. Mumbai ,
 - iii. Kochi,
 - iv. Tuticorin,
 - v. Chennai,
 - vi. Paradip,
 - vii. Haldia,
 - viii. Marmagao
10. Make a project work on the topic; 'Consumer Awareness.'
11. Learn the work done in your SSc. Notebooks

Use attractive pictures and diagrams to show examples of different Resources.

Writing/Activity based

Note: Do this work using A-4 file sheets.

ARTIFICIAL INTELLIGENCE (PRACTICAL FILE)

Program1 : Program to SWAP two variable values.

Program2 : Program find largest number amount three numbers.

Program 3 : Program to create a simple calculator.

Program 4: Program to find area of a triangle.

Program 5: Program to convert kilometer into metre

OR

Learn and write in your fair copy

Questions:

1. What is Regression?
2. Why do we use Neural Networks?
3. Explain:
 - Supervised Learning
 - Unsupervised Learning
 - Reinforcement Learning