



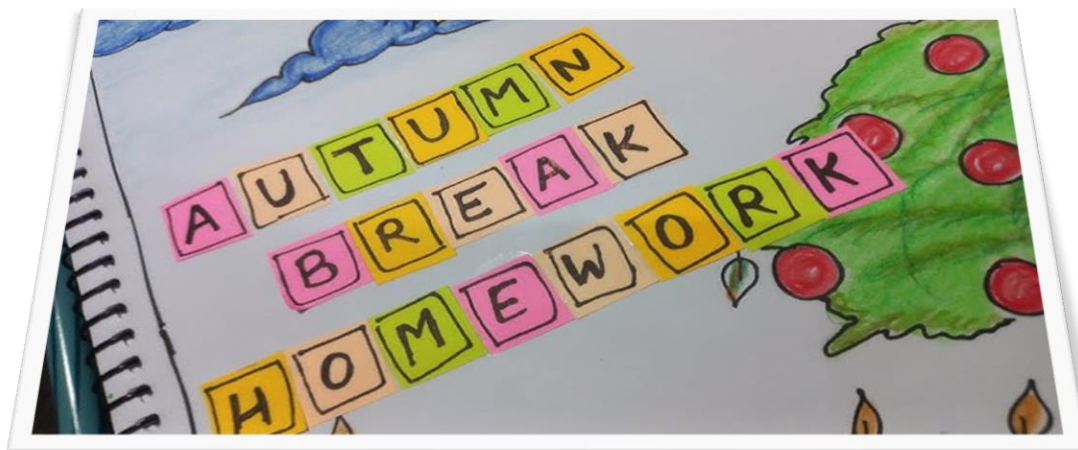
# ARMY PUBLIC SCHOOL

## FATEHGARH CANTT

# AUTUMN BREAK

## HOLIDAY HOME WORK

### 2024-25



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

**ENGLISH**

1. Design 2 poster to highlight the importance of sports and games and Annual Sports Day at APS FATEHGARH.
2. Save Environment Write and design a travelogue in about 150 to 200 words.

**Do this work on file papers. It will be carry 10 marks**

**ACCOUNTS**

1. Solve five questions each from the following topics:
  - i) Single column cash book.
  - ii) Double column cash book.
  - iii) Petty cash book.
  - iv) BRS
  - v) Subsidiary books.

**Note: Solve these questions in a separate notebook.**

**BUSINESS STUDIES**

1. Do 10 MCQ's and 5 case studies from the following chapters:
  - i) Business,trade and commerce
  - ii) Forms of business organization
  - iii) Public,private and global enterprises
  - iv) Business services

**Note: Solve these questions in a separate notebook.**

## ECONOMICS

1. Make a project on any one of the following topics:

- (i) The impact of GST on Indian economy (Roll No 1 – 10)
- (ii) Growth of Indian Banking System (Roll No 11 – 20)
- (iii) Theory of demand (Roll No 21 – 30)
- (iv) Theory of consumer behavior (Roll No 31 – 42)

**NOTE:** Consider the following directions given below while making this project.

<b>SUBJECT</b>	<b>ECONOMICS</b>
<b>INVESTIGATORY TOPIC</b>	<b>INDIVIDUAL.</b>
<b>GUIDELINES</b>	Name of the Student : Introduction of the project, // Topic // Aim and Objectives // A3 chart papers, stick files consisting A4 size papers, graph sheets(as per the subject) Including 2 work sheets.
<b>SUBJECT TASK AND LINKAGES:</b>	<ol style="list-style-type: none"><li>1. All the project topics are from Indian economic Development and micro economics.</li><li>2. Mode of submission is individual.</li><li>3. Project is to be hand written in A4 sheets.</li><li>4. relevant graphs with latest figures to be highlighted to Justify your project base.</li><li>5. Pictures are also mandatory.</li><li>6. Format of the project: title page, acknowledgement, declaration, index, introduction, content of the project, conclusion and bibliography</li><li>7. Project should be minimum of 20 pages.</li></ol> <p><b>Expected Outcome:</b> It is to enable the ways and means by which project can be developed using the skills learned in the course. Which includes the steps involved in designing a project starting from choosing a title, exploring the information relating to the title, collection of primary and secondary data, analyzing the data, presentation of the project and using various Statistical tools and their interpretation and conclusion.</p>

## MATHEMATICS

	QUESTIONS:
1	How many 3-digit numbers can be formed from the digits 1, 2, 3, 4 and 5 assuming that (i) Repetition of the digits is allowed? (ii) Repetition of the digits is not allowed?
2	In how many ways can the letters of the word PERMUTATIONS be arranged if (i) Words start with P and end with S. (ii) Vowels are all together. (iii) There are always 4 letters between P and S.
	ACTIVITIES:
1	To prepare a model to illustrate the values of sine function and cosine function for different angles which are multiples of $\frac{\pi}{2}$ and $\pi$ .
2	To interpret geometrically the meaning of $i = \sqrt{-1}$ and its integral powers.
3	To construct a Pascal's Triangle and to write binomial expansion for a given positive integral exponent.

CLASS: XI		SUBJECT: APPLIED MATHEMATICS	
	QUESTIONS:		
1	Find the first three terms of the arithmetic progressions whose nth term is given as $a_n = 2n + 5$ . Also find the common difference and the 20th term.		
2	The sum of three numbers in A.P. is 24 and their product is 440. Find the numbers.		
3	Find the 10th and nth terms of the G.P. 2, 4, 8, 16, ...		
4	The sum of three consecutive terms of a G.P. is 26 and their product is 216. Find the common ratio and the terms.		
	ACTIVITIES:		
1	To find the sum of first n natural numbers.		
2	To find the sum of the first n-even natural numbers.		
3	To find the number of ways in which three cards can be selected from given five cards.		

## **ARTIFICIAL INTELLIGENCE**

**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

## **FINEART**

### **(Theory)**

1. Revise the chapters
  - A) Pre- historic rock paintings
  - B) Indus valley civilization
  - C) Gandhara school of arts

### **(Practical)**

1. Draw 5 Still life paintings

Note:- ( Realistic with pencil shading) on A3 sheet.

## **PHYSICAL EDUCATION**

**Write down these questions answers in your notebook.**

### **A. Multiple-Choice Questions**

1. Which is not a traditional sport of India?
  - a. Kabaddi. b. Kho-kho c. Mallakhamba. d. Swimming.
2. National Games of India is commonly known as
  - a. Indian Sports. b. Indian Oscar. c. Indian Olympics. d. Khelo-India.
3. When was the first recorded Olympics held?
  - a. 786 BCE b. 776 BCE c. 706 BCE d. 756 BCE
4. Which medals were awarded in the ancient Olympic Games?
  - a. Gold medals b. Silver medals c. Bronze medals d. No medals

5. When were the Olympic Games abolished?  
a. 394 CE b. 767 CE c. 596 CE d. 678 CE
6. Which is not the motto of Olympic Games inscribed on its emblem?  
a. Faster b. Greater c. Higher d. Stronger
7. Which is not a component of wellness?  
a. Physical wellness b. Social wellness c. Spiritual wellness d. Individual wellness
8. The ability of the muscle to act against resistance offered by an immovable object is called  
a. Static strength. b. Maximum strength.  
c. Explosive strength. d. Strength endurance.
9. How many limbs are there in Yoga?  
a. 6 b. 9 c. 8 d. 11
10. Which asana is also referred to as palm tree pose?  
a. Tadasana b. Sukhasana c. Padmasana d. Naukasana
11. Which of the following is not one of the categories of asanas?  
a. Meditative asanas b. Relaxative asanas c. Energetic asanas d. Cultural asanas

Note-: Complete revision work of following Units.

1. Changing Trends and Career in Physical Education ( Unit-1).
2. Olympic value Education (Unit-2).
3. Yoga ( Unit- 3).
4. Physical Education and Sports for Children With Special Needs ( Unit-4).
5. Physical Fitness, Wellness and Lifestyle ( Unit-5).