

GURU AMAR DASS PUBLIC SCHOOL, MODEL TOWN, JALANDHAR
HOLIDAYS' HOME WORK, JUNE 2025
CLASS - XII

ENGLISH

1. Five unseen passages for comprehension. (pdf sent in class group)
2. Make a project on child labour for girls (based on chapter lost spring of flamingo)

GEOGRAPHY

1. Complete your practical files.
2. Revise the syllabus done in class thoroughly.
3. Practice map of India according to your syllabus.

POLITICAL SCIENCE

- 1) Complete your notes .
- 2) Revise syllabus done in class.
- 3) To prepare project file.

HISTORY

- 1) Complete your notes
- 2) Revise syllabus done
- 3) Practice map work of chapters done in class
- 4) To prepare project file

ECONOMICS

1. **Project Work** :- Students you are expected to use your own thought process based on the understanding of the concepts studied. You are supposed to prepare a project on any one of the following topics :-
Money // Banking // Government Budget // Features, problems & policies of Agriculture //
New Economic Policy // Human Capital Formation // Rural Development
2. Practice numericals from Unit-Determination of income and employment.

Note :- Learn all the chapters thoroughly . Be prepared for a short revision test from any of the chapters covered.

ACCOUNTANCY

1. Students have to prepare one "One Specific Project" on
 - Analysis of Accounting data (2023-2024) using tools:-
 - Comparative statements
 - Common-size statements
 - Cash flow statement
 - Ratio analysis
 - The project should be handwritten.
 - Each step of solution needs to be highlighted.
 - Project should be at least 40-45 pages.
 - Originality and Quality of work should be there.
2. Solve practical problems of Chapters done in class.

BUSINESS STUDIES

1. Complete your project file in this summer vacations. You have to make project file report on the following topics:
 - ❖ Project One- PRINCIPLES OF MANAGEMENT
 - A) The students required to visit any one of the following:
 - A departmental store

- An industrial unit
- A fast food outlet
- A bank
- Any other organisation

Note- You are required to observe the application of the general principles of management advocated by Fayol.

❖ **Project Two - MARKETING MANAGEMENT**

B) You are required to make a project on the identified imaginary product/service keeping in mind the following:

- Why have they selected this product/ service?
- Find out '5' competitive brands that exist in the market.
- What permission and licences would be required to make the product?
- What are your competitors Unique Selling Proposition (U.S.P)
- Does your product have any range give details?
- What is the name of your product?
- Enlist its features.
- Draw the "Label" of your product.
- Draw a logo for your product.
- Draft a tag line.
- What is the selling price of your competitors' product?

i) Selling price to the consumer

(ii) Selling price to retailer

(iii) Selling price to the wholesaler

❖ **Guidelines for making the project report:**

- Total pages – 25 to 30
- Files should be decorated properly
- Use only coloured sheets to make the file
- You can use your own creative ideas and skills to enhance the report outlook.
- Submission month of the file – July.

2. Revise and learn the entire syllabus covered in the class till now.

BIOLOGY

- 1) Revise your syllabus thoroughly
- 2) Practice diagrams on your notebooks.
- 3) Practice Board questions from each chapter.
- 4) Complete your practical and project files.

PHYSICS

- 1) Revise Electrostatics and Current Electricity till done thoroughly.
- 2) Solve numericals.
- 3) Complete your practical and project files.
- 4) Solve the assignment forwarded to you

CHEMISTRY

- 1) Revise Chapter: Solutions and Electrochemistry thoroughly.
- 2) Solve numericals and practice conversion.
- 3) Complete your practical and project files.
- 4) Solve the questions of these chapters from previous year board papers.

PUNJABI

ਪ੍ਰੋਜੈਕਟ ਫਾਇਲ: ਪੰਜਾਬ ਦੇ ਮੇਲੇ ਤੇ ਤਿਉਹਾਰ

ਪੰਜਾਬ ਦੇ ਰਸਮ ਰਿਵਾਜ

ਪੰਜਾਬਦੀਆਂ ਲੋਕ-ਖੇਡਾਂ ਅਤੇ

ਪੰਜਾਬ ਦੇ ਲੋਕ-ਨਾਚ (ਕਿਸੇ ਇੱਕ ਵਿਸ਼ੇ 'ਤੇ) ਆਪਣੀ ਪ੍ਰੋਜੈਕਟ ਫਾਇਲ ਵਿਸ਼ੇ ਅਨੁਸਾਰ ਤਰਤੀ ਬਵਾਰਅ ਤੇ ਸੋਹਣੇ ਢੰਗ ਨਾਲ ਤਿਆਰ ਕਰੋ।

ਲਿਖਣ ਕੌਸ਼ਲ; 1.ਸਾਡੇ ਜੀਵਨ ਵਿੱਚ ਪੰਛੀ

2.ਚੰਗੀ ਬੋਲਚਾਲ

3. ਨੈਤਿਕ ਕਦਰਾਂ ਕੀਮਤਾਂ

4. 21ਵੀਂ ਸਦੀ ਦੀਆਂ ਚੁਣੌਤੀਆਂ

5. ਮੇਲਿਆਂ ਦਾ ਬਦਲ ਦਾ ਸਰੂਪ

6.ਗਿਆਨ ਕਾ ਬੱਧਾਮਨ ਰਹੇ

ਉੱਪਰ ਦਿੱਤੇ ਵਿਸ਼ਿਆਂ ਚੋਂ ਕਿਸੇ ਤਿੰਨ ਵਿਸ਼ਿਆਂ ਤੇ ਆਪਣੇ ਵਿਚਾਰ ਪ੍ਰਗਟ ਕਰੋ।

Activity:-ਨਹੀਂ ਜੰਗ ਹੋਰ ਨਹੀਂ'

ਸਿਰਲੇਖ ਅਧੀਨ ਦੇਸ਼ਾਂ ਦੀ ਜੰਗ ਨੂੰ ਵਿਰਾਮ ਦਿੰਦਾ ਪੋਸਟਰ ਕਿਸੇ ਇੱਕ ਨਾਅਰੇ ਨਾਲ ਤਿਆਰ ਕਰੋ।

PHYSICAL EDUCATION

Complete your practical file (SP Publisher)

1. Physical Fitness Test: SAI Khelo India test

2. Brockport Physical Fitness Test (BPFT)*.

3. Senior Citizen Fitness Test

4. Yoga-Complete all Asanas (Chapter 21) in your practical file.

5. Any one game of your choice from the following games. A labeled diagram of field and equipment (rules, terminology and skills)

- Basketball
- Football
- Kabaddi
- Kho-Kho
- Volley Ball
- Handball
- Hockey
- Cricket

MATHEMATICS (041)

➤ Solve the following assignment and all the examples of chapters completed in the class of NCERT in a separate notebook:

- Check whether the relation R in the set Z of integers defined as $R = \{(a, b) : a+b \text{ is divisible by } 2\}$ is reflexive, symmetric or transitive.
- $R = \{(a, b) : |a-b| \text{ is even}\}$, is an equivalence relation. Show that all the elements of $\{1, 3, 5\}$ are related to each other and all the elements of $\{2, 4\}$ are related to each other. But no element of $\{1, 3, 5\}$ is related to any element of $\{2, 4\}$
- Show that the relation R in the set Z of integers given by $R = \{(a, b) : 6 \text{ divides } a-b\}$ is an equivalence relation.
- Let $f: A \rightarrow B$ be a function defined as $f(x) = \frac{2x+3}{x-3}$, where $A = R - \{3\}$ and $B = R - \{2\}$ is the function one-one and onto.
- Consider the function $f(x) = \frac{x-2}{x+1}$ from $R - \{-1\}$ to $R - \{1\}$. Prove that f is both one-one and onto?
- If $f: R \rightarrow R$ be the function defined by $f(x) = 4x^3 + 7$, show that f is a bijection.
- $\vec{a} = 2\vec{i} - \vec{j} - 2\vec{k}$ and $\vec{b} = 7\vec{i} + 2\vec{j} - 3\vec{k}$ express \vec{b} in the form of $\vec{b} = \vec{b}_1 + \vec{b}_2$ Where \vec{b}_1 is parallel to \vec{a} and \vec{b}_2 is perpendicular to \vec{a} .
- If \vec{a} , \vec{b} and \vec{c} are mutually perpendicular vectors of equal magnitude, find the angles which the vector $2\vec{a} + \vec{b} + 2\vec{c}$ make with the vectors \vec{a} , \vec{b} and \vec{c} .
- If $|\vec{a}| = 3$, $|\vec{b}| = 5$, $|\vec{c}| = 4$ and $\vec{a} + \vec{b} + \vec{c} = 0$ then find the value of $\vec{a} \cdot \vec{b} + \vec{b} \cdot \vec{c} + \vec{c} \cdot \vec{a}$
- If with reference to the right handed system of mutually perpendicular vectors \vec{c} , \vec{j} and \vec{k} . $\vec{\alpha} = 3\vec{i} - \vec{j}$, $\vec{\beta} = 2\vec{i} + \vec{j} - 3\vec{k}$ then express $\vec{\beta}$ in the form of $\vec{\beta} = \vec{\beta}_1 + \vec{\beta}_2$ where $\vec{\beta}_1$ is parallel to $\vec{\alpha}$ and $\vec{\beta}_2$ is perpendicular to $\vec{\alpha}$
- If $\vec{a} = 2\vec{i} - 3\vec{j} + \vec{k}$, $\vec{b} = -\vec{i} + \vec{k}$, $\vec{c} = 2\vec{j} - \vec{k}$ the three vectors, find the area of the parallelogram having diagonals $\vec{a} + \vec{b}$ and $\vec{b} + \vec{c}$
- Using vectors, find the area of ΔABC with vertices $A(1, 2, 3)$, $B(2, 1, -4)$ and $C(4, 5, -1)$
- If $\vec{a} = \vec{i} + \vec{j} + \vec{k}$ and $\vec{b} = \vec{j} - 3\vec{k}$, find a vector such that $\vec{a} \times \vec{c} = \vec{b}$ and $\vec{a} \cdot \vec{c} = 3$
- Given that $\vec{a} = 2\vec{i} - \vec{j} + \vec{k}$, $\vec{b} = 3\vec{i} - \vec{k}$, $\vec{c} = 2\vec{i} + \vec{j} - 2\vec{k}$ Find a vector \vec{d} which is perpendicular to both \vec{a} and \vec{b} and $\vec{c} \cdot \vec{d} = 3$
- Find a vector of magnitude $\sqrt{171}$, which is perpendicular to both the vectors $\vec{a} = \vec{i} + 2\vec{j} - 3\vec{k}$ and $\vec{b} = 3\vec{i} - \vec{j} + 2\vec{k}$
- Find the area of parallelogram whose adjacent sides are given by the vectors $\vec{a} = 3\vec{i} + \vec{j} + 4\vec{k}$, $\vec{b} = \vec{i} - \vec{j} + \vec{k}$
- Find the sine of the angle between the vectors $\vec{a} = 3\vec{i} + \vec{j} + 2\vec{k}$, $\vec{b} = 2\vec{i} - 2\vec{j} + 4\vec{k}$
- Find the value of the following
 - $\vec{i} \cdot (\vec{j} \times \vec{k}) + \vec{j} \cdot (\vec{k} \times \vec{i}) + \vec{k} \cdot (\vec{i} \times \vec{j})$
 - $\vec{i} \times (\vec{j} \times \vec{k}) + \vec{j} \cdot (\vec{k} \times \vec{i}) + \vec{k} \cdot (\vec{i} \times \vec{j})$
 - $\vec{i} \times (\vec{j} \times \vec{k}) + \vec{j} \times (\vec{k} \times \vec{i}) + \vec{k} \cdot (\vec{i} \times \vec{j})$
- Bag A contains 3 red and 5 black balls, while bag B contains 4 red and 4 black balls. Two balls are transferred at random from bag A to bag B and then a ball is drawn from bag B at random. If the ball drawn from bag B is found to be red, find the probability that two red balls were transferred from bag A to bag B.
- A is known to speak truth 3 times out of 5 times. He throws a die and reports that it is one. Find the probability that it is actually one.
- In answering a question on a multiple choice test a student either knows the answer or guesses. Let $\frac{3}{4}$ be the probability that he knows the answer and $\frac{1}{4}$ be the probability that he guesses. Assuming that a student who guesses at the answer will be correct with probability $\frac{1}{4}$. What is the probability that a student knows the answer given that he answered it correctly?
- A dice is thrown twice and the sum of numbers appearing is observed to be 6. What is the conditional probability that the number 4 has appeared at least once?
- A dice is rolled. If the outcome is an odd number, what is the probability that it is prime?

APPLIED MATHEMATICS (241)

Solve all the examples, MCQs of chapters completed in the class in a separate notebook.

COMPUTER SCIENCE (083)

1. Read the following chapters from text book:
 - a. Review of Python Basics
 - b. Functions
 - c. Data File Handling
2. Complete the exercise and assignment questions of the above mentioned chapters from book.
3. Revise the theoretical concepts of programming
4. Plan for the topic of the Project or Practical, group members in the project and submit the same after summer break.

PAINTING

Theory:-

Unit 2—The Mughal and deccan Schools of miniature painting
(16th century A.D. to 19th Century A.D.)

Practical:-

Two Still Life ,One Portrait, One scenery, One Design Work
(Use Water Colours or Oil Colours or Acrylic Colours, Sheet,Size:-Half Thick Chart)

MUSIC

- 1: Revise the questions done in the class
 - 2: Complete your file
- Topics -
- Alankar
Kan
Meend
Gram
Tana
- 3: Sangeet Ratnakar
Sangeet Parijat
 - 4: Write about Ustaadgulam Ali khan
 - 5: Dhamartaal
 - 6: Tuning of tanpura
 - 7: Write introduction of raagbhairav and it's notation