GURU AMAR DASS PUBLIC SCHOOL, MODEL TOWN, JALANDHAR

HOLIDAYS' HOME WORK, JUNE 2023
CLASS – XII

ENGLISH
1.Write an article on the following topics:((120-150words)
- Child Labour
- Conservation of Energy
- Artificial Intelligence

2. Extract based Questions 5 (Poems\Prose)

Note:
- **Revise the syllabus already completed .**
- **PDF of assignment will be posted in class group.**
- **Get hard copy of questions 2 and 3 .**
- **Assignment to be done on single line ruled sheets**.

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
3) To prepare project file.

HISTORY
1) Complete your notes
2) Revise syllabus done
3) 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 & polices of Agriculture   //   New Economic Policy   //   Human Capital Formation   //   Rural Development
2. Analyzing , Evaluating & creating type questions :
A. "The traditional handicraft industries were ruined under the British rule." Do you agree with this view? Give reason in support of your answer.
B. " The social & economic challenges before India at the time of independence were enormous". Do you agree with the statement? Give reasons.
C. " While the nation had immensely benefited from the green revolution, the technology involved was not free from risks" Do you agree with the given statement? Give valid reasons.

D. " As a form of economic activity, outsourcing has intensified in recent times. Most MNC's and even small companies, are outsourcing their services to India" Defend or Refute.

➢ **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 Comprehensive Project" & "One Specific Project" on

- Analysis of Accounting data (2022-2023) 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 atleast 40-45 pages.
- Originality and Quality of work should be there.

2. Solve practical problems of Chapters done in class.

BUSINESS STUDIES

- Revise and learn all the syllabus covered in the class.
- Complete your project file in this summer vacations.
- You have to make a project file report on the following topics:

- **Project one: Principles of Management**

  The students are required to visit any one of the following:
    1. A departmental store.
    2. An Industrial unit.
    3. A fast food outlet.
    4. Any other organisation.

  You are required to observe the application of the general Principles of management advocated by Fayol

  - **Project 2 : Marketing Management**

  Students are required to make a project on the identified product/service keeping in mind the following:

  1. Why have they selected this product/service?
  2. Find out '5' competitive brands that exist in the market.
  3. What permission and licences would be required to make the product?
  4. What are your competitors Unique Selling Proposition.[U.S.P.]?
  5. Does your product have any range give details?
  6. What is the name of your product?
  7. Enlist its features.

8. Draw the 'Label' of your product.
9. Draw a logo for your product.
10. Draft a tag line.
11. What is the selling price of your competitor's product?
      (i) Selling price to consumer
      (ii) Selling price to retailer
      (iii) Selling price to wholesale

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 thoroughly.
2) Solve numericals.
3) Complete your practical and project files.
4) Solve the assignment forwarded to you

CHEMISTRY

1) Revise Haloalkanes and haloarenes, solutions thoroughly.
2) Solve numericals and practice conversion.
3) Complete your practical and project files.
4) Solve the assignment forwarded to you.

PUNJABI

ਕਿਸੇ ਇੱਕ ਵਿਸ਼ੇ ਤੇ ਪ੍ਰੋਜੈਕਟ ਬਣਾਓ:-
- ਪੰਜਾਬ ਦੇ ਮੇਲੇ ਤੇ ਤਿਉਹਾਰ
- ਪੰਜਾਬ ਦੇ ਰਸਮੋ ਰਿਵਾਜ
- ਪੰਜਾਬ ਦੇ ਲੋਕ ਨਾਚ
- ਪੰਜਾਬ ਦੇ ਲੋਕ ਗੀਤ

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

1. Express The matrix $\begin{bmatrix} 3 & -2 & -4 \\ 3 & -2 & -5 \\ -2 & 1 & 2 \end{bmatrix}$ as the sum of a symmetric and skew symmetric matrix and verify your result.

2. If A $=\begin{bmatrix} 1 & 0 \\ -1 & 7 \end{bmatrix}$, find k such that A²-8A+KI=O

3. If A $=\begin{bmatrix} 3 & -2 \\ 4 & -2 \end{bmatrix}$,find k such that A²=KA-2I$_2$

4. Find the inverse of the matrix $\begin{bmatrix} 2 & 3 & 1 \\ 3 & 4 & 1 \\ 3 & 7 & 2 \end{bmatrix}$ and verify that $A^{-1}A = I_3$

5. Given A=$\begin{bmatrix} 5 & 0 & 4 \\ 2 & 3 & 2 \\ 1 & 2 & 1 \end{bmatrix}$, $B^{-1} = \begin{bmatrix} 1 & 3 & 3 \\ 1 & 4 & 3 \\ 1 & 3 & 4 \end{bmatrix}$, compute $(AB)^{-1}$

6. If A=$\begin{bmatrix} 4 & 3 \\ 2 & 5 \end{bmatrix}$, find x and y such that A²-xA+yI=O

7. If A = $\begin{bmatrix} 3 & -2 \\ 4 & -2 \end{bmatrix}$, find the value of K so that A²= KA-2I. Hence find A^{-1}

8. If A=1/9 $\begin{bmatrix} -8 & 1 & 4 \\ 4 & 4 & 7 \\ 1 & -8 & 4 \end{bmatrix}$, prove that $A^{-1} = A^T$

9. Find matrix X and Y,if 2X-Y =$\begin{bmatrix} 6 & -6 & 0 \\ -4 & 2 & 1 \end{bmatrix}$ and X+2Y =$\begin{bmatrix} 3 & 2 & 5 \\ -2 & 2 & -7 \end{bmatrix}$

10. If A=$\begin{bmatrix} 2 & -2 \\ 4 & 2 \\ -5 & 1 \end{bmatrix}$, B=$\begin{bmatrix} 8 & 0 \\ 4 & -2 \\ 3 & 6 \end{bmatrix}$, find matrix X such that 2A+3X =5B.

11. Evaluate (**i**){$\begin{bmatrix} 1 & 3 \\ -1 & -4 \end{bmatrix}$ + $\begin{bmatrix} 3 & -2 \\ -1 & 1 \end{bmatrix}$}$\begin{bmatrix} 1 & 3 & 5 \\ 2 & 4 & 6 \end{bmatrix}$ (**ii**) [1 2 3]$\begin{bmatrix} 1 & 0 & 2 \\ 2 & 0 & 1 \\ 0 & 1 & 2 \end{bmatrix}\begin{bmatrix} 2 \\ 4 \\ 6 \end{bmatrix}$

12. Determine the product $\begin{bmatrix} -4 & 4 & 4 \\ -7 & 1 & 3 \\ 5 & -3 & -1 \end{bmatrix}\begin{bmatrix} 1 & -1 & 1 \\ 1 & -2 & -2 \\ 2 & 1 & 3 \end{bmatrix}$ and use it to solve the system of

equations: x-y + z=4, x-2y-2z=9, 2x+y+3z=1

13. The sum of three numbers is 6. If we multiply the third number by 2 and add the first number to the result, we get 7. By adding second and third numbers to 3 times the first number, we get 12. Using matrices find the numbers.

Note:
- **Solve the above assignment in a separate notebook.**
- **Revise all the syllabus done in the class.**

COMPUTER SCIENCE

- Make a Project (Soft Copy) in Python on any topic.
- Perform all the programs done in the class.

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 Acraylic Colours, Sheet,Size:-Half Thick Chart)

MUSIC

FILE PROJECT
1. Write in detail about the classification rag Bageshwari .
2. Describe   Jhap Tal ek gun and dugun .
3. Defination of 1. Alankar 2.kan 3.Meend 4.Varnas.