GURU AMAR DASS PUBLIC SCHOOL, MODEL TOWN, JALANDHAR

HOLIDAYS' HOME WORK, JUNE 2023
CLASS – XI

ENGLISH
1. Note - Making (5 passages)
2. Grammar (5 worksheets)
3. 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 all the questions .
- Assignment to be done on single line ruled sheets.

GEOGRAPHY:
1. Revise the syllabus done in class thoroughly.
2. Complete your practical file.
3. Revise map of India done in class.

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 : Use of statistical tools.
a. Students will complete only one project in each academic session
b. Project should of 3500-4000 words (excluding diagrams & graphs), preferably hand written.
c. It will be an independent & self-directed piece of study.
   Suggestive list of Projects :-
- Project report on consumer Awareness.
- Demographic structure.
- Changing prices of the few vegetables in the market using Primary data.
- Study of Cooperative institutions (Milk cooperatives).
- Solar energy, a cost effective.
- Comparison with conventional energy sources.
- Any other newspaper article & its evaluation.
- Bumper production: - Boom or Bane for the farmer.
- Any other topic.
   Note :- Students must follow these steps while making a project.

- ✓ Choose a title / topic
- ✓ Collection of research material
- ✓ Organization of data
- ✓ Present material / data
- ✓ Analyzing the data.
- ✓ Draw the relevant conclusion
- ✓ Presentation of project work.
2. Essential Practical's :-
A) Complete the following observations:
- ➢ Statistics means _____
- ➢ Statistics & economics are _____
- ➢ The term population refers to _____
B) Write two such pairs of statistical variables that show cause & effect relationship with each other.
C) You have unlimited grants & limited resources to satisfy these. Explain by giving 2 examples.
3. "Secondary data are those which are already in existence & which have been collected for some purpose than the answering of the question in hand ". Substantiate this statement focusing on the difference between Primary & Secondary data.
4. How you would use lottery method to select 03 students out of 10 in you class?
5. Explain the concept of :
A) Class interval   B) Individual series C) Frequency array D) Frequency Distribution
B) Note :- Learn all the chapters thoroughly . Be prepared for a short revision test from any of the chapters covered.

ACCOUNTANCY

- Topic: Collection of "Source documents and Vouchers".
- Students have to prepare a Project file including theory of all Source documents and Vouchers and collect original source documents and vouchers.
- Complete theory notes of Chapter 1, 2, 3 done in class.
- Revise the syllabus covered 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:
 Choose any 1
1) Any Mutli -National Company
2) Any bank
3) Any departmental store
4) Any Mall
- ❖ Contents of the file report need to be covered under this:
- ❖ Write the history of the organisation .
- ❖ Write the organisational structure of the organisation .
- ❖ Write the various competitors and suppliers of the organisation .

- ❖ Mention the SWOT(strength, weakness, opportunities and threats) analysis of the organisation .
- ❖ Mention the advertisement medium of the organisation for the promotion of their products .
- ❖ Guidelines for making the project report :
- ❖ Total pages should be between 25 to 30.
     File should be decorated properly.
- ❖ Use your own creative ideas and skills to enhance the report outlook .

BIOLOGY -
1. Revise your syllabus thoroughly
2. Practice diagrams and cycles on your note books.
3. Complete your practical and project files.
4. Solve the assignment of every chapter forwarded to you.

PHYSICS -
1. Revise and solve NCERT questions of units and dimension and motion in 1D
2. Complete your practical and project files.
3. Solve the assignment forwarded to you.

CHEMISTRY –
1. Revise and solve NCERT questions of Some basic concepts of chemistry and periodic classification of elements.
2. Complete your practical and project files.
3. Solve the assignment forwarded to you.

PUNJABI :
Project File
5- ਸੁਹਾਗ
5-ਘੋੜੀਆਂ
5-ਸਿੱਠਣੀਆਂ
5-ਲੰਮੀਆਂ ਬੋਲੀਆਂ
5-ਢੋਲਾ
5-ਮਾਹੀਆ
ਜਮਾਤ ਵਿੱਚ ਕਰਵਾਇਆ ਗਿਆ ਕੰਮ ਪੂਰਾ ਕਰੋ ਅਤੇ ਯਾਦ ਕਰੋ।

PHYSICAL EDUCATION

- Complete your Practical File.

MATHEMATICS

1. Prove that
   (a) (i) A⊂ (A ∪ B) **(ii)** B⊂ (A ∪ B) **(b) (i)** (A∩ B) ⊂ A **(ii)** (A∩ B) ⊂ B
   If A={1,2,3,4,5}, B= {2,3,5,7,9} and C ={3,4,6,8,10} then prove that:
   A∩ (B ∪C) = (A∩ B) ∪ (A ∩C)

2. If U ={1,2,3,4,5,6,7,8,9,10}, A =(1,2,3,4,5), B= {1,3,5,7,9} and C ={2,4,8,10}, verify that
   (i) $(A \cup B)^c = A^c \cap B^c$ **(ii)** $(A \cap B)^c = A^c \cup B^c$

3. If A={1,2,3}, B={4}, C={5}, then verify that **(i)** A ×(B∪ C)=(A×B)∪(A×C) **(ii)** A×(B∩ C)=
   (A×B) ∩ (A×C)
   (iii) A ×(B-C) =(A×B) – (A × C).

4. If A = {1,2,3} and B= {1,2}, then find **(i)** A×B **(ii)** B×A **(iii)** Is A×B= B×A?

5. Let A = {2,3,5,7}, B = {1,12,13,15}. How many elements are there in A×B? In B×A ?
   Is A×B = B×A ? Is n(A×B) = n (B×A) ?

6. Find domain and range of the following functions. **(i)** $f(x) = \frac{1}{x-5}$ **(ii)** $f(x) = \frac{3-x}{x-3}$ **(iii)** $f(x) = \frac{x^2-1}{x-1}$
   (iv) $f(x) = \frac{|x-3|}{x-3}$ **(v)** $f(x) = \frac{1}{2-\sin 3x}$ **(vi)** $f(x) = \sqrt{3-2x}$ **(vii)** $f(x) = \frac{1}{\sqrt{x+2}}$

7. Prove that **(i)** $1+i^2 + i^4 + i^6 = 0$ **(ii)** $1+ i^{10}+ i^{100}+ i^{1000}= 2$ **(iii)** $i^{104}+ i^{109}+ i^{114}+ i^{119}=0$
   (iv) $\frac{1}{i} - \frac{1}{i^2} + \frac{1}{i^3} - \frac{1}{i^4} = 0$ **(v)** $6i^{54}+5i^{37} -2i^{11}+6i^{68} =7i$ **(vi)** $\frac{i^{592}+i^{590}+i^{588}+i^{586}+i^{584}}{i^{582}+i^{580}+i^{578}+i^{576}+i^{574}} = -1$

8. Prove that $\frac{\sqrt{7}+i\sqrt{3}}{\sqrt{7}-i\sqrt{3}} + \frac{\sqrt{7}-i\sqrt{3}}{\sqrt{7}+i\sqrt{3}}$ is real.

9. Compute **(i)** $\sqrt{-49}(2 + \sqrt{-9})$ **(ii)** $[2+\sqrt{-25}] - [3- \sqrt{-16}] +[1- \sqrt{-9}]$

10. If Z_1, Z_2 are respectively 1–i , –2+4i. , find $I_m \{\frac{Z_1 Z_2}{Z_1}\}$

11. Solve the following system of inequations:
    $\frac{5x}{4} + \frac{3x}{8} > \frac{39}{8}$ and $\frac{2x-1}{12} - \frac{x-11}{3} < \frac{3x+1}{4}$

12. Solve the following system of inequations:
    $2(2x+3) – 10<6(x–2), \frac{2x-3}{4} + 6 \geq 2+\frac{4x}{3}$

13. In the first four examinations, each of 100 marks, Hameed got 94,73, 72, 84 marks. If the final average is greater than or equal to 80 and less than 90 is needed to obtain a final 'B' grade in a course, what range of marks in the fifth(last) examination will result in Hamid receiving 'B' grade in the course ?

14. Find all pairs of consecutive even positive integers, both of which are larger than 5, such that their sum is less than 23.

15. Shanta is three times of the age of her son. She has a grandson who is half of the age of her son and her grand daughter is the difference of one third of the age of her son and 3. Compare the age of her grand children and write who is older in the form of an inequation.

Note:

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

COMPUTER SCIENCE

Revise computation thinking, Programming fundamental, Conditional statements in python, Perform all programs of chapter 3, 4 and 5 including back exercises.

PAINTING

Theory :-
UNIT 2 – General introduction of Art during Mauryan, Shunga, Kushana and
Gupta Period.
Art of Ajanta

Practical :-
Two Still Life, One land Scape, One Pencil Sketch (Size-1/4 Thick Sheet, Use any colours)

MUSIC

FILE PROJECT
1 . Definition of   1.Nada   2.Saptak   3 Shruti
2. Write in detail about the classification of Raga Bhimplasi.
3. Describe   Teen -Tal   ekgun or dugun