GURU NANAK PUBLIC SCHOOL, SARABHA NAGAR

Summer Break Assignments

COMMERCIAL ART

INFORMATIC PRACTICES

MATHEMATICS

ENGLISH

CHEMISTRY

SCIENCE

MUSIC

PHYSICS

PAINTING

PHYSICAL EDUCATION

PSYCHOLOGY

FASHION STUDIES

WEB APPLICATION

NOTE: Marks of COURSE WORK will be added in Half Yearly Exam and will be carried forward for final CBSE internal assessment.

PHYSICS

- Observe the various physical quantities around you in home and write their dimensional formulae and SI units.
- How the concept of significant figures / error is used to represent the measurement marked on any object or device, if you come across such observation, then make record and interpret it.

CHEMISTRY

1. Prepare a **HANDWRITTEN** project report on the following topic allotted as per your Roll no. in about 10-12 pages. Report should be compiled in a folder & must have the following information on the cover page :-

   Name of topic……..

   Submitted to……….

   Submitted by………

   The report should include **index page at the start** and **bibliography at the end.**

   Topics:-
   - **(a)** Environmental pollution – Air, Water and soil. (**Roll No. 1-10**)
   - **(b)** Hardness of Water and its removal.(**Roll No. 11-20**)
   - **(c)** Hydrogen as a fuel(**Roll No. 21-30**)
   - **(d)** Methods of purification of organic compounds. (**Roll No. 31 onwards**)

   Suggested Resource Material: NCERT Textbook/ Internet

2. Revise Chapter 1, 2 and 3.
3. Complete all the assignments in your Chemistry notebooks.

BIOLOGY

1) Prepare Herbarium file by pasting five samples each of the following & write their comman as well as scientific name –
   - Medicinal plants
   - Ornamental Plants
   - Wild Plants
   - Seeds of different fruits & vegetables

2) Solve all the assignments in biology note book.

3) Learn the covered syllabus

MATHEMATICS

Perform the following activities on Maths Practical Notebook :

1. To draw the graphs of following trigonometric functions on different graph papers in the interval $[-2\pi, 2\pi]$

$sinx, cosx, tanx$

2. To represent graphically the solution to the following linear Inequalities:

$x + y \geq 1, 2x + 3y \leq 12, x \leq 5, y \leq 4, x, y \geq 0$

NOTE : As per CBSE guidelines, every student who has opted for Maths has to maintain Maths Practical Notebook.

IMPORTANT INSTRUCTIONS :

Perform the activities in the following sequence:
1. Activity number
2. Objective
3. Pre Requisite Knowledge
4. Material required
5. Procedure
6. Observation/Results

FASHION STUDIES

1. To design a product with self generated print inspired from nature .
e.g: skirt, mask, mobile cover , hand bag, file cover, kurti etc.
2. Design a dupatta with tie and dye technique.(video according to the topic will be shared in class group)

Print inspired from Tiles

ENGLISH

1. Read the lesson 'The Summer of the beautiful White Horse' from the book Snapshots. Suggest a different ending to the story. Write it in about 100-120 words.
2. Your family is planning to go to Andhra Pradesh during the summer vacation. Write a letter of enquiry to' Sun Travels' inquiring about the same by giving necessary details.(In about 100-120 words)
3. Cut two newspaper reports/articles from an English Newspaper on any topic (Sports/Social issues/Pandemic) and paste them. Frame at least five questions from each clipping and write their answers.
4. If you were Sue from the lesson 'We are not afraid to die', what would you have done in helping your parents during the time of troubles and struggles? Write your views in about 100-120 words.

●□ Important Note ●□
1. Complete each topic on A4 size sheet .
2. Compile them as English project in a folder or file. (Do not use plastic files) .
3. You can use pens of different colours to make the project presentable.
4. Credit will be awarded for creativity.

PUNJABI

NOTE – Do whole work in your Notebook.

1.ਸੁਹਾਗ ਤੇ ਘੋੜੀਆਂ ਗਾਉਣ ਦਾ ਰਿਵਾਜ ਅੱਜਕੱਲ੍ਹ ਕਿਉਂ ਘਟਦਾ ਜਾ ਰਿਹਾ ਹੈ ? ਇਸ ਬਾਰੇ ਚਰਚਾ ਕਰੋ ।

2.ਕਿਸੇ ਪੰਜਾਬੀ ਅਖ਼ਬਾਰ ਦੇ ਸੰਪਾਦਕ ਨੂੰ ਇਲਾਕੇ ਵਿਚ ਵਧ ਰਹੇ ਅਪਰਾਧ ਤੇ ਚੋਰੀ ਦੀਆਂ ਵਾਰਦਾਤਾਂ ਸਬੰਧੀ ਪੱਤਰ ਲਿਖੋ ।

3.ਜਦੋਂ ਜ਼ੁਲਮ ਤੇ ਅੱਤਿਆਚਾਰ ਹੱਦੋਂ ਵਧ ਜਾਵੇ ਤੇ ਸਰਕਾਰ ਸਾਥ ਨਾ ਦੇਵੇ ਤਾਂ ਅੰਦੋਲਨ ਕਰਨੇ ਲਾਜ਼ਮੀ ਬਣ ਜਾਂਦੇ ਹਨ ਇਸ ਸਬੰਧੀ ਆਪਣੇ ਵਿਚਾਰ ਪੰਜਾਬੀ ਅਖ਼ਬਾਰ ਦੇ ਸੰਪਾਦਕ ਨੂੰ ਲਿਖੋ ਤਾਂ ਜੋ ਲੋਕ ਜਾਗਰੂਕ ਹੋ ਸਕਣ ।

4.ਹੇਠ ਲਿਖੇ ਵਿਸ਼ਿਆਂ ਉੱਤੇ ਭਾਵਪੂਰਤ ਲੇਖ ਲਿਖੋ :-
      ਆਨਲਾਈਨ ਸਿੱਖਿਆ
      ਵੈਸ਼ਵਿਕ ਮਹਾਂਮਾਰੀ ਕਵਿਡ 19
5.ਹੇਠ ਲਿਖਿਆਂ ਉੱਤੇ ਇਸ਼ਤਿਹਾਰ ਲਿਖੋ :-
      (i) ਵਰ ਦੀ ਲੋੜ ਸਬੰਧੀ
      (ii) ਖਾਲੀ ਮਕਾਨ ਕਿਰਾਏ ਤੇ ਦੇਣ ਲਈ

MUSIC

1. Maintain your music notebook.
2. Practice Teen Tala.
3. Prepare Raag Bhairav.
4. Write a life sketch on a famous singer of Andhra Pradesh- S.P. Balasubrahmanyam.
5. Prepare two retro songs which have been picturized on any one of the following artists-:

For girls- Asha Pareekh, Saira Banno , Helen , Sharmila Tagore

For boys- Dharmendra, Dev Anand, Shammi Kapoor, Rajesh Khanna.

PHYSICAL EDUCATION

1. Labelled diagram of 400M Track & Field with computations.
2. Computation of BMI from family and neighborhood & graphical representation of the data.

   Note –Do all the homework in physical education practical notebook

PAINTING AND COMMERCIAL ART

1.Make free hand design/ Doodling...on A2 size ivory sheet. (Use CD markers for the outline...)

2.Make five sheets which are mentioned in your syllabus for the portfolio.

WEB APPLICATION

Create a website on any topic of your choice in HTML.

The website must include:

- ➢ 4-5 Web pages.
- ➢ Images, tables, nested list.
- ➢ There must be Internal and External Linking.
- ➢ Use all formatting tags.
- ➢ Website must be self-explanatory and informative.
- ➢ Home page should have link to other pages.

I.P.

1. SOLVE THE BELOW GIVEN PROGRAMS PRACTICALLY AND MAKE A PDF FILE OF THE SOURCE CODE OF THE PROGRAMS.

a) Create a table name :CUSTOMER

Column Name	Cust_Id	Cust_Name	Cust_address 1	Cust_address 2	pincode	Cust_phone
DataType	Number	Varchar	Varchar	Varchar	number	Varchar
Length	7	30	20	30	6	10
Contraints	Primary key	Not null			Default 462030	

    i.   Create table Customer as per above table instance chart.

    ii.   Add one column email of data type Varchar and size 30 to the table customer.

    iii.   Modify column email length by 40.

    iv.   Insert two record with relevant information in the table.

    v.   Drop the column email from table customer.

    vi.   Remove the table Customer permanently.

    vii.   Increase salary of employee's records by 10% (Assume table Employee and Column Salary)

b) Consider the table SPORTS given below. Write commands in MySQL for (i) to (vii) and output for (viii) & (ix).

SPORTS

SrNo	SName	Class	Game	Grade	Fees
1	Rahul	12	Cricket	A	53000
2	Sugandha	10	Football	B	88000
3	Saumil	11	Cricket	NULL	44000
4	Pradip	10	Football	B	23000
5	Amit	11	Carrom	A	75000
6	Vivek	12	Tennis	C	11000

i.   To display the SName and Fees as annual Fees
ii.   To display different game
iii.   To display first 4 characters of SName.
iv.   To insert a dummy record
v.   To increase fees of Rs. 500 for the game Tennis
vi.   To display the SNAME, GAME and FEES of all players whose fees is greater than45000and less than 70000(both values inclusive).
vii.   Display the sum, Minimum and Average of Fees.
viii. Select SName as 'Student name' , fees *12 as 'annual fee' from Sports.
ix.   Select SName, Class, GAME from SPORTS where SName not like 'P%'.

PSYCHOLOGY

General Instructions

The Project must have the following.

- Title
- Highlight of key research findings
- Application of principles of psychology
- Analyse the connect of Human Emotions, Behaviour, and Psychology
- Font style and size should be easy on the eyes.
- Spread out the text slides creatively.
- Use enlivening pictures.

Theme: "Building a fairer, healthier world"

Sub-Topic: "Understanding Emotions and its impact on Behaviour"

Material Required:

- Ms Power Point and presentation skills
- Research skills and Analysis

- **Task**
- Identify the basic human emotions.
- Create 10 questions on it. (subjective and objective both or any)
- Conduct your survey on 5 people and find out results.
- Presented in the form of **PPT slides/ Posters/ Video**.
- Prepare the PPT/ Poster aesthetically laying out the text and the pictures. Be creative.
- The Power Point Presentation must be submitted on time. (10slides)

Steps:

Topic 1 - Happiness/ Joy

Topic 2 - Anger/ Annoyance

Topic 3 - Sadness/ Grief

Topic 4 - Love/ Affection

Topic 5 – Fear/ Terror

Topic 6 – Boredom/ Disconnected

Question Hints – What, When, Why, Where, Whose, Who, Whom, Which, How, Frequency, Duration

- ➢ Class XI H - Topic 1
- ➢ Class XI F – Topic 2
- ➢ Class XI A + B – Topic 3
- ➢ Class XI C + D – Topic 4
- ➢ Class XI E – Topic 5
- ➢ Class XI M- Topic 6

DANCE

* Maintain your dance note book properly.
* Practice of taals & tatkar   properly.
* Make a project on Andhra Pradesh's folk dances &
   classical dances. Paste some pictures of the dances & write
    few lines of the dances.
* The school will organize a competition in July 2021. The
   theme of the competition is "Bollywood in 90's". Prepare a
   dance on any bollywood 90's song for 1.30 minutes.