XII CLASS

HoLiDay Homework

Fun activities to continue learning through the holiday break!

Part A

SCIENCE

CHEMISTRY

1. **Make a Research based Project file containing following –**

• **Acknowledgement**
• **Introduction**
• **Actual Presentation/ Content**
• **Data collection and data representation**
• **Case study /Experiment**
• **Observation/Data analysis**
• **Conclusion**
• **Bibliography**
Add pictures, photographs wherever necessary.
Write the project title, your name, name of the school and session.
ORGANISE YOUR WRITING MATERIAL AND WRITE IN YOUR OWN HANDWRITING IN THE FILE.

Biology

Infographics on role of transgenic animals in biotechnological products

ART INTEGRATED PROJECT:

PPT on Reforms undertaken by SEBI in Securities Market / Prepare a project file on NIFTY 50

Make PowerPoint presentation on any two topics

Instructions:
- Presentation should contain Minimum 20 slides
- Presentation should contain at least one video.
- Presentation should be on automated mode with background music audio.

Topics:
1. The impact of artificial intelligence on modern society.
2. Breakthrough in quantum computing and there are implications.
3. The future of space exploration and colonization.
4. Crypto Craze: The future of money management.
5. Crowdfunding revolution democratizing financing for start-ups and creatives.
6. Plastic Pandemic: The impact of single -use plastics on the environment.
7. Sustainable Cities: Pioneering the future of urban living

Prepare a practical file (soft copy) implementing the following SQL Queries using MYSQL

1. *Create Table*
   -Create a student table with attributes: student_id (Primary Key), name, marks.

2. *Insert Data*
   Insert details of a new student into the student table.

3. *Delete Data*
   Delete a student's details from the student table.

4. *Select Command*
   Select students with marks greater than 80.

5. *Aggregate Functions*
   Find the minimum, maximum, sum, and average marks in the student table.

6. *Group By*
   Find the total number of customers from each country in the customer table

7. *Order By*
   Order the student table by marks in descending order.

8. *Display Modifications
Display marks without decimal places, the remainder when marks are divided by 3, and the square of the marks.

9. *String Functions*
Display names in capital letters, small letters, the first 3 letters, the last 3 letters, and the position of 'A' in names.

10. *Trim Functions*
   Remove extra spaces from the text " Informatics Practices Class XII ".

11. *Date Functions*
   Display today's date in "Date/Month/Year" format.
   Display the day name, month name, day, day name, day of the month, and day of the year for today's date.

Submission:

Send the completed tasks in soft copy at bcmdugrihema@gmail.com

NOTE: ASSIGNMENT OF ENGLISH, CHEMISTRY, PHYSICS, MATHEMATICS AND BIOLOGY IS AVAILABLE ON SCHOOL WEBSITE

ALL ASSIGNMENTS ARE TO BE SOLVED IN SUBJECT NOTEBOOK