Arwachin Bharti Bhawan Sr. Sec. School, Vivek Vihar
Winter Break Holidays Homework
Class XI

English
- Make Project files as per discussion and instructions given in class.
- As per roll no. do the following work in English Register
- Rollno 1 to 10:- 2 Note Making
- Rollno 11 to 20:- 5 Classifieds Advertisement
- Rollno 21 to 30:- 3 Poster
- Rollno 31 to 40:- 2 Speech
- Rollno 41 to 50:- 2 Debate
- Complete all the written work in register.

Maths
Revise all chapters

Write the formulas of chapter Limits and derivatives and chapter statistics in a separate A4 size sheet and learn them.
Complete your maths practical file with proper cover, index and cutting pasting.
Political Science

1. Complete Your Home Assignments of all the taught chapters in class.
2. Complete your Project File (If not submitted yet)
3. Learn the syllabus of the upcoming UT and Annual Exam.

Marketing
- Pick a product (or a local brand) and detail its history, development, packaging, advertising, and its link to "Aids to Trade". Also Analyze the Micro and Macro Environment Factors affecting the brand in past two decades
- Complete the notes and assignment given to you in your register
- Prepare for your Unit Test

Physics
- Revise UT III Syllabus
  Syllabus for UT-III
  1. Chapter -8 Mechanical properties of solids (8 marks)
  2. Chapter -9(Mechanical properties of Fluids (12 marks)
- Solve the assignments given on extramarks appas well on your School portal.
- Do write the notes given on School portal

Biology

- Revise UT III Syllabus
  Syllabus for UT-III
    3. Chapter – Excretory Products and its elimination
    4. Chapter- Chemical coordination and interactive
- Solve the assignments given on extramarks app as well on your School portal.
- Throughly study BIOLOGY INVESTIGATORY PROJECT for viva after winter vacation

Chemistry

1. Revise UT-III (20 Marks) syllabus thoroughly
   SYLLABUS:-
   CH-8 GOC (8 MARKS)
   CH-9 HYDROCARBONS (12 MARKS)
2. Complete your notes of
   Ch-5 Thermodynamics
   Ch-6 Equilibrium (That is given on the portal as well as extramarks for both the chapters)
3. Solve the assignmentsthat is given on extramarks software as well as on your portal).

Artificial Intelligence
Instructions:

1. First, complete all the practical work in your AI Portfolio.
2. Second, complete your IBM Log Book.
3. The IBM Log Book link is given in the PDF. You just have to complete the activities.
4. Each group has to make their separate IBM Log Book, but the topic will be the same for the entire group.

IBM Log Book Link:

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Note:
- Maintain neatness and proper indexing in your portfolio.
- The log book should be completed individually by each group member.
- Submit the homework on the first day after winter vacations.

Accountancy

Comprehensive Project

Note:-

1.You are required to do this question in A-4 size sheets.

2.Submit the work in proper file format.

 Statement :-

Abeer Dahiya did his Economics (Hons.) from Delhi University and MBA from Indian School of Business (Hyderabad). He got job with a good salary. After 5 years of work experience, he started his business of assembling toy cars and named his business Favourite Toys'. On 1st April, 2021 he introduced a capital of2 lakhs in cash and Rs. 33 lakhs by cheque. He also took a loan of & 10 lakhs from the State Bank of India, borrowed Rs. 5 lakhs from his friend, Amit by cheque.

He took premises on rent at 10,000 per month in Okhla Industrial Area, New Delhi for setting up of his new factory. On 1st April, 2021 he purchased machinery of Rs. 10 lakhs and furniture for his office worth Rs. 1,00,000 through a cheque. On the same date he withdrew Rs.8,00,000 from bank account for meeting day to day business expenses. He hired an executive to help him in setting up the business at a salary Rs.10,000 per month. He also took an insurance cover at a premium of Rs. 50,000 per annum on 1st April. Within one month, he was ready to assemble toy cars. On 1st May, he made purchases for 70 lakhs out of which Rs. 60 lakhs were still payable and hired5 workers on monthly wages of Rs. 8,000. On the same date he purchased a telephone and installed it, which cost him Rs. 2,000. The payment of the telephone was made through a cheque. He also paid20,000 by cheque to print catalogues for his products. Payment of all routine expenses was made at the end of the year.

By the end of the year, all wages were paid every month in cash. Machinery and Furniture were depreciated @ 10% per annum. Total sales amounted to Rs.90 lakhs. He paid annual electricity charges of Rs.1,00,000 and telephone expenses Rs. 15,000 by cash. He withdrew Rs. 1 lakh from bank for personal use. On 31st March, 2022 he purchased investments worth Rs. 10 lakhs through bank.

He repaid 5,00,000 with Rs.25000 as an interest to Amit on account of the loan taken earlier. There was a fire in the factory that destroyed goods worth Rs. 2,00,000 out of which the insurance company admitted a claim of Rs.1,00,000. He paid Rs.50,000 as carriage by cash. Interest on bank loan was Rs.50,000 due but not paid.

At the end of year closing stock was valued at Rs. 10 lakhs.

You are required to prepare the following :

(a) Journalise the above transactions, post them into ledger accounts and prepare trial balance for the year ended 31st March, 2022.

(b) Trading and Profit and Loss Account for the year ending 31st March, 2022 and Balance Sheet as at 31st March, 2022.

History

1. Complete your Home Assignments of all chapters (if not completed yet)
2. Complete your Project File (if not submitted yet)
3. Prepare for the Unit tests diligenly.
4. Prepare for the presentations

Computer Science

1. Revise all the chapters till explained in the class
2. Make sure to practice Python programming questions done till now in the class
3. Make a Portfolio, take printout and attach in the portfolio of the following questions with solutions and bring it after winter break for correction-
1. Write a program to input a number and check whether it is positive or negative.
   2. Write a program to check whether a number is even or odd.
   3. Write a program to find square of a number.
   4. Write a program to calculate simple interest.
   5. Write a program to swap two numbers.
Write a program to check whether a year is leap year or not.
6. Write a program to check whether a number is a palindrome.
7. Write a program to check whether a number is an Armstrong number.
8. Write a program to find factorial of a number.
9. Write a program to count vowels in a string.
10. Write a program to sort list in ascending order.

BUSINESS STUDIES

PROJECT ON INTERNAL TRADE
The objective of introducing this project is to give you all a first-hand experience regarding the different types of INTERNAL TRADES operating in our surroundings, to observe their features and activities and relate them to the theoretical knowledge given in the text books with help of case study and research.
PRESENTATION AND SUBMISSION OF PROJECT REPORT:
At the end of the stipulated term, each student will prepare and submit his/her project report. Following essentials are required to be fulfilled for its preparation and submission.

 • The total project will be in a file format,
• The project will be handwritten.
• The project will be presented in a neat folder.
• The project report will be developed in the following sequence
➢ Cover page should project the title, student information, school and year.
 ➢ List of contents.
 ➢ Acknowledgements, preface and certificate (acknowledging the institution, the newspapers read, T.V. channels viewed, places visited and persons who have helped).

➢ Introduction.

➢ Topic with suitable heading.

➢ Details of the topic

➢ Planning and activities done during the project, if any.

➢ Your Learnings, Observations and findings while conducting the project.

➢ Conclusions (summarized suggestions or findings, future scope of study).

➢ Bibliography

➢ Teacher's Observation

• The project work should include a sufficient number of photographs, statistical data and graphs to make it attractive and support the research conducted. Also, the photographs must be relevant to the topic and content.

• The project length should neither be too small nor too big. Generally, it should range between 20- 25 pages.

CHRONOLOGY OF THE MAIN TOPIC:

1. Introduce the main topic (Internal trade)

2. Explain types of Internal trade

3. Features and operations of wholesalers and retailers

4. Services rendered by wholesalers and retailers.

5. Types of retailing trade

6. Select any one kind of retailer and conduct research on that.

7. Present the detail of that particular kind of retailer with the help of a case study prevailing in the real world along with a survey conducted through a questionnaire

*Students need to conduct a detailed study of the chosen case and all the above points should be presented with the help of sufficient evidences in the form of photographs, statistical data or any other detail.

Last date of submission – January 09, 2026

ECONOMICS

1 Complete your notes in your micro economics and statistics registers.

2 Complete your project file (if not completed yet) and prepare for the viva.

3 Learn all the syllabus of the upcoming UT and Annual Exam.

Political Science

1. Complete Your Home Assignments of all the taught chapters in class.
2. Complete your Project File (If not submitted yet)
3. Learn the syllabus of the upcoming UT and Annual Exam.

हिन्दी

- परियोजना कार्य पूर्ण कीजिए
- तृतीय इकाई परीक्षा की तैयारी कीजिए।
- नोटबुक का काम पूरा करके याद कीजिए।