



O.P. JINDAL SCHOOL

SUMMER VACATION HOMEWORK

★ CLASS - XII



ENGLISH

Assignment 1. Title: Postcards Across Time (With reference to 'The Third Level')

Assignment Task:

- ✓ Make TWO handmade or handwritten postcards — one from the past and one from the present/future.

Details:

Postcard from the Past

Imagine you have travelled to the year 1894, just like Charley in The Third Level.

On this postcard, write a message to someone in the present (may be your friend, yourself, or even Charley) describing:

- What you see around you — the people, the streets, the atmosphere
- How you feel being in that old world.
- What you wish people in the present knew or remembered about the past.

- ☞ Decorate the card in a vintage style — draw old stamps, faded edges, old-fashioned handwriting, or sketches.

Postcard from the Present or Future

Now, imagine someone from the future (or your future self) is sending a postcard back to the present.

On this card, write a message that talks about:

- What the world is like in the future.
- What advice or warnings they want to give people today.
- How time and change have shaped human life and emotions.

- ☞ Decorate this postcard in a futuristic style — use bright colours, symbols, or imaginative designs showing technology or change.

Guidelines:

- ✓ Make both postcards by hand (no printed templates).
- ✓ Write neatly and creatively.
- ✓ Be ready to explain your concept (2–3 minutes) in class.

Assignment 2. Title: "My Mother Through My Eyes: A Personal Documentary"

(With reference to the poem My Mother at Sixty-Six by Kamala Das)

Assignment Task:

- ✓ Create a short documentary (3–5 minutes) titled:
"My Mother Through My Eyes" or "Spending Time with My Mother" (Or any self-made title)

You should:

Spend quality time with your mother (or a mother figure in your life) during the holidays — it could be cooking together, going for a walk, talking about memories, doing a shared activity, or simply observing daily moments.

Document these moments using:

Video clips (recorded on phone or camera), Photos, Voice recordings or interviews ,
Background music or voiceover (optional)

Incorporate a connection to the poem by Kamala Das:

You can read a few lines from the poem as part of your video, or Add your own reflections on the themes of **ageing, love, fear of separation, and realization of mortality.**

What should be included?

- ✓ Clips or photos showing real moments with your mother.
- ✓ At least one personal reflection or voiceover where you express your thoughts (What do you notice? How do you feel? What have you realised?)
- ✓ A title screen and a closing screen with your name and class.

How to Submit:

Submit the documentary video on a pen drive/ via whatsapp in person, or email after the holidays.

Be ready to present a short 1–2-minute summary of your experience in class.

MATHEMATICS

Objective:

To engage students in meaningful, real-life mathematical explorations that enhance

Cognitive, Social, Emotional, Physical, and Moral development during summer break.

1. Activity: *My Mathematics Journey – Reflection Booklet*

Task: Reflect and write short pieces on:

- A topic you mastered after struggle
 - A math moment you're proud of
 - A goal you have for Class XII math
2. Learn how to use Microsoft Excel for addition, subtraction, multiplication and transpose of matrices and paste screenshot of the output on the file along with the working procedure.

Submission Format:

- All work to be compiled in a well-decorated folder
- Use A4 sheets
- Use visuals (charts, drawings, photos etc) wherever applicable
- Submission Deadline: First week after reopening.

PHYSICS

Perform an activity based on coulomb's law, say a comb is rubbed against silk cloth or a scale attracts pieces of paper after rubbed against hair etc and write a short note on it.

CHEMISTRY

To detect common adulterants such as starch, metanil yellow, lead salts, and soap in everyday food items like milk, pulses, turmeric, and sugar using simple chemical tests.

BIOLOGY

1. **Awareness Poster on Reproductive Health** – Make a **poster** highlighting family planning, diseases, and reproductive rights.
2. **Embryonic Development Flipbook** – Create a **flipbook** showing stages of embryo formation.

Or,

1. **Pollinators Observation Journal** – Observe bees, butterflies, or wind pollination and document their role in plant reproduction.
2. **Menstrual Cycle Infographic** – Design a **detailed timeline or chart** explaining hormonal changes, phases (follicular, ovulatory, luteal), and physiological effects.

ACCOUNTANCY

Vishal Arora and Saurabh Das been working in hospitalisation and aviation industry for 5 years. Both intended to start their business. They decided to start a business of manufacturing, purchasing and selling furniture for home and office uses.

On 1st April 2016 they started their business under the name 'Comfort Furniture House' with a capital of ₹ 22, 50,000 Which was contributed equally by both the partners.

Sourabh hired an accountant and asked him to prepare a partnership bid for the firm, as per the terms and conditions agreed by both the partners.

Vishal opened a bank account in a Bank on 1st April, 2016 by depositing ₹15,00,000 in it. Information and transactions related to their business are given as follows:

- 01 The partner took a premises on rent for setting their showroom. The monthly rent of the premises was ₹13,500. Rent for three months has been given on 1st April, 2016 in cash.
- 02 For establishing the showroom, he purchased the following items by cheque:-

a. Refrigerator	₹22,500
b. air conditioners,	₹72,000
c. furniture and fixtures	₹37,500
d. computers	₹54 000
e. office equipment, including mobile phones,	₹40 500
- 03 They spent ₹24,000 on the interior decoration of the showroom by cheque for acquiring electricity connexion ₹7 500 was given as security deposit to BSES Yamuna Power Limited ₹3000 was given to reliance communication as security deposit for taking telephone connexion for the showroom for obtaining these connexions that is, electricity and phone. The payment is made by cheque.

They made people aware about their 'Comfort Furniture House' by holding and distributing pamphlets (advertisement expenses) which cost ₹4 500, and payment was made in cash.

All the Receipts were in cash to be deposited in the bank on the same day who stopped during the year. The business recorded a good turnover.

The partnership firm appointed 3 persons to help them in the showroom. The employee receives a salary of ₹10,500 per month during the year by cheque.

At the end of the year, the position of the business showed the following:

	₹
Total sales of furniture item made during the year	26,40,000
total purchases made during the year payment by cheque	20,25,000
The following expenses incurred during the year in cash	525
stationary	
periodicals and magazines,	5 400
legal expenses.	2 250
Transportation charges	36 000
maintenance charges	24,000
insurance charges	2 700
Petty Expenses	4 800
electricity charges	33,000
Internet expenses.	15,000
Telephone and mobile charges.	21,000
Miscellaneous expenses.	24,750
Rent of the premises per month.	13 500

You are required to:

- (A) Journalise above transactions, post them into ledgers and prepare Trial Balance.
- (B) On the basis of trial balance prepared in part A, you are required to prepare financial statement of partnership for statement of partnership firm of Vishal Arora and Saurabh Das.

Undertake the following adjustments while preparing Financial Statements:

- (i) Closing stock at 31st March, 2017 ₹6 75 000.
- (ii) Depreciation should be charged on the fixed assets as follows:-
 - a. Furniture in pictures 20% p.a
 - b. Air conditioners 10% p.a
 - c. Computers 30% p.a.
 - d. Refrigerators 10% p.a
- (iii) Outstanding stationary charge or their
- (iv) accrued bank interest
- (v) credit sales not recorded during the year
- (vi) credit purchase not recorded during the year.

₹900

₹97,500

₹ 9000

₹12,000

- (vii) Debts of ₹1050
- (viii) proved bad during the year on 31st March. 2017 an amount of ₹3,00,000 was transferred to the fixed deposit
- (ix) Charge $\frac{1}{5}$ th of the advertisement expenses to the trading account
- (C) You are also required to compute profitability and solvency ratio and comment upon the position on the basis of the following lawns industry standard
- | | |
|---------------------------------|-----|
| a. Gross profit ratio | 40% |
| b. Let profit ratio | 20% |
| c. Return on capital employed | 22% |
| d. Operating profit ratio | 22% |
| e. operating ratio | 75% |
| f. Current ratio 2 : 1 | |
| g. Quick ratio 1 : 1 | |
| h. Current ratio 2 : 1 | |
| i. quick ratio 1 : 1 | |
| j. proprietary ratio | 80% |
| k. fixed assets. Ratio 0.45 : 1 | |

PROJECT

On 1st April 2018 Kanchan Walia started Play gym and physical fitness centre with a capital of rupees 14,00,000. She opened a bank account by depositing ₹9, 60,000 in. She purchased a building in her locality for setting up her gym, it cost rupees 4,00,000 fullest top. The payment was made through cash. Whole stop. She managed to get a loan of rupees 12 lakh for this purpose. The loan was repayable with interest of ₹ 2,40,000 in three yearly instalments. At the end of the first year, she had to repay ₹ 5,20,000 That is [₹4,00,000 principal + ₹1,20,000. Interest].

Purchased exercising machines and equipment for ₹ 16 00 000 plus IGST at the rate of 18%. She gave ₹4 000 for electricity connection. In this tech-savy world to run a business successfully, she purchased computer worth ₹ 3,90,000 plus CGST and SGST at the rate of 9% each Paid a deposit of ₹10,000 with VSNL for Internet connection. She got her gym harnessed by paying ₹1,00,000 plus CGST and SGST at the rate of 14% each. She made people aware about her gym by distributing pamphlets, which cost her ₹18,000.

All payments were to be made by cheques. All the receipts were in cash to be deposited in the bank on the same day. The membership of the gym was available for ₹ 5000 for six weeks. At the end of the year, 31st March. 2025, the position of her business showed the following:

Total revenue realised services were provided charging CGST and SGST at the rate of 6 percent each.	19 92 000
Outstanding electricity charges. [GST not applicable]	1,24,000
Telephone charges	34,000
Pretty expenses.	48,000
Entertainment expenses	40,000
Maintenance expenses	40,000
The above-mentioned expenses are subjected to levy of CGST and SGST, at the rate of 6% each	
Purchase of fitness magazines CDs and books	2,20,000
Wages for the staff maintaining the gym	1,26,000

She appointed three fitness trainers for the gym to a stop. They were to be paid ₹3,72,000 for their services. But their salaries for the year were out extending. She withdrew ₹24,000 by cheque each month for her household and personal expenses to stop. At the end of the year. She paid instalment of bank loan with interest.

You are required to:

- (i) Journalise the above transactions. Post them into ledgers and prepare Trial Balance.
- (ii) Prepare Final Accounts of Kanchn Walia.
- (iii) Charges depreciation @ 25% on machines and Equipment 10% on furniture and fixtures and 5% on buildings.
- (iv) Calculate profitability ratios.
- (v) She approached the bank for further loan to stop computing the ratio that the banker will require before granting the loan (Current ratio, quick ratio and Debt equity ratio).
- (vi) Comment on the efficiency of the business if the net profit and gross profit ratio in similar type of business concerns are 20 % and 50% respectively.

BUSINESS STUDIES

A. Prepare a project on **APPLICATION OF PRINCIPLES OF MANAGEMENT IN BIG BAZAR**

It should include:

01. Introduction
02. Definition of principles of management
03. Founding father of principles of management
04. Fayol's principles of management
05. About big bazar
06. Organizational chart

07. Questionnaire & Data Interpretation
 08. Findings
 09. Diagrammatic presentation
 10. Conclusion
 11. Bibliography
- B. Prepare a project on Stock Exchange
It Should include:
- 01 Introduction
 - 02 Features of Stock exchange
 - 03 Functions of Stock exchange
 - 04 History of Stock exchange in India
 - 05 National Stock exchange
 - 06 Bombay Stock exchange
 - 07 Stock market timings in India
 - 08 Stock market Terminology
 - 09 Securities Exchange Board of India
 - 10 Organization structure of SEBI
 - 11 Functions of SEBI
 - 12 Trading Procedures on Stock Exchange
 - 13 Role of SEBI
 - 14 Portfolio
 - 15 Factors Affecting Stock Prices
 - 16 Conclusion

ECONOMICS

Roll No.	Project
1.	Role of RBI in Control of Credit
2.	Human Development Index
3.	Goods and Services Tax Act and its Impact on GDP
4.	Government Budget & its Components
5.	Organic Farming – Back to the Nature
6.	e-Rupee (e- ₹)
7.	Sustainable Development Goals (SDG's)

Instructions:

The specimens of documents collected should be pasted in the Project file with a brief description of each. They may also visit railway godowns/dockyards/ transport agencies and may collect pictures of them.

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.

1. The total project will be in a file format, consisting of the recordings of the value of shares and the graphs.
2. The project will be handwritten.
3. The project will be presented in a neat folder.
4. The project report will be developed in the following sequence-
 - The cover page should project the title, student information, school and year.
 - List of contents.
 - Acknowledgements and preface (acknowledging the institution, the news papers read, T.V. channels viewed, places visited and persons who have helped).
 - Introduction.
 - Topic with suitable heading.
 - Planning and activities done during the project, if any.
 - Observations and findings while conducting the project.
 - News paper clippings to reflect the changes in share prices.
 - Conclusions (summarised suggestions or findings, future scope of study).
 - Appendix (if needed).
 - Teachers report.
 - Teachers will initial preface page.
 - At the completion of the evaluation of the project, it will be

INFORMATICS PRACTICES

Solve the questions provided in the link below:

<https://drive.google.com/file/d/1f4zfnwWwy9nRtc7hNYe8C1Ezlvvy-k2s/view?usp=sharing>

All the questions to be done in the class notebook and to submitted in the first week after reopening.

