

GURUKUL INTERNATIONAL SCHOOL, Haldwani

HOME WORK FOR SUMMER BREAK (2025-26)

Class- XII Commerce

ENGLISH

THINKING SKILLS

- 1 Write down the autobiography of 'TIME MACHINE' under the following headings
Its origin
Its experience with different people.
- 2 Plan out an itinerary of four days pilgrimage of Rameshwaram under the following headings
Day 1: Departure from home
Day 2: Start of Rameshwaram tour
Day 3: Sight-seeing and beach fun
Day 4; Arrival at home.

CRITICAL THINKING

- 3 Imagine, like Charley, one day you find yourself in place with different types of creature /people and machines. Later, you come to your real world. How will you explain your experience to your family?
- 4 Two of your best friends had a quarrel over an issue which they bring to your notice. How will you pacify them and resolve the issue?

WRITING SKILLS

- 5 Make a diary entry for one week on the following topics
 1. About yourself
 2. Letter to your most favourite person
 3. Recipe of your favourite dish.
 4. Biggest nightmare
 5. Book I love the most
 6. All about family
 7. A place you want to visit
- 6 Write three notices on different topics to be placed in the notice board of your school.

CREATIVITY

- 7 Prepare a poster on 'Child Labour in India' .
- 8 Create a collage of postal stamps and paste it in your notebook

ACCOUNTANCY

- 1 Raashi and Shashi are partners in a firm sharing profits and losses in the ratio of 3:1. Net profit of the firm during the year ended 31st December, 2016 amounts to Rs 3,00,000.
From the following information, prepare Profit & Loss Appropriation Account of the firm for the year ended on 31st December, 2016:
 - i) On 01.01.2016, the balances in the Capital and Current Accounts of the partners were:
Raashi: Rs 1,60,000 (capital a/c); Rs 20,000 (current a/c)
Shashi: Rs 1,20,000 (capital a/c); Rs 12,000 (current a/c)
 - ii) Interest on Capital @ 5% p.a.
 - iii) Interest on partners' drawing @ 10% p.a.
Drawing during the year were: Raashi = Rs 40,000; Shashi = Rs 30,000
 - iv) Raashii is entitled to a commission of 5% of net profit before considering the above items.
- 2 A, B and C are partners in a firm with capitals Rs 4,00,000, Rs 3,00,000 and Rs 3,00,000 respectively on 1st January, 2017. The partnership deed contains the following clauses:
 - i) Interest on Capital @ 5% p.a.
 - ii) Interest on drawing @ 6% p.a.
 - iii) A gets salary Rs 4,000 p.m.
 - iv) B gets commission @ 10% on the Net Profit
 - v) Profits and losses to be shared: A:B:C = 4:3:3The net profit of the firm for the year ended 31st December, 2017 amounted to Rs 4,80,000 and the drawings of the partners are: A = Rs 30,000, B = Rs 20,000 and C = Rs 10,000. Prepare Profit and Loss Appropriation Account for the year ended on 31.12.2017.
- 3 A, B and C were partners in a firm. They had no partnership deed. They had been in business for 4 years and their profit and loss for this period was, year ended March 2004 Rs. 39,000, March 2005 Rs. 54,000, March 2006 Rs. 18,000 (loss) and March 2007 Rs. 75,000. During the year 2007-08, they agreed to share profits and losses in the ratio of 2 : 2 : 1 with retrospective effect from the year 2003-04. It was also decided that an interest (charge) of 5% per annum was to be provided on capitals (fixed). Their capitals were Rs. 80,000, Rs. 60,000 and Rs. 60,000 respectively. Pass a single adjustment entry to adjust the capital accounts of the partners.

- 4 Find a new profit sharing ratio for the following:
- A and B are partners sharing profits in the ratio of 3:1. C is admitted for the 1/8th share of the profits.
 - X and Y are partners sharing profits and losses in the ratio of 7:5. They admit Z, a new partner, who acquires 1/12th from X and 1/6th from Y as his share.
 - A and B are partners in the firm sharing profits and losses in the ratio of 5:3. A surrenders 1/20th of his share, whereas B surrenders 1/24th of his share in favour of C, a new partner.
 - N and M are partners sharing profits in the ratio of 2:1. They admit O into the partnership for the 1/4th share of profit. O has acquired the share from old partners in the ratio of 3:2.
 - P and Q are partners sharing profit and losses in the ratio of 5:3. R is admitted for 1/5th share and he acquires all his share from P.
- 5
- A firm earned net profits during the last three years as:

Year	2022-23	2023-24	2024-25
Profits (Rs.)	36,000	40,000	44,000

 The capital investment of the firm is Rs. 1,20,000. A fair return on the capital having regard to the risk involved is 10%. Calculate the value of goodwill on the basis of three years purchase of the super profit for the last three years.
 - On April 1st, 2020 an existing firm had assets of Rs. 75,000 including cash of Rs. 5,000. The partners' capital accounts showed a balance of Rs. 60,000 and reserves constituted the rest. If the normal rate of return is 20% and the goodwill of the firm is valued at Rs. 24,000 at 4 years purchase of super profits, find the average profits of the firm.

BUSINESS STUDIES

- 1 Project Work
Choose Any ONE Topic:
- Startup India – Encouraging Young Entrepreneurs
- OR
- Women Entrepreneurship in India
- Guidelines:
- Introduction of the topic
 - Objectives of the scheme/concept
 - Benefits to businesses and society
 - Real-life examples of companies
 - Use newspaper/magazine pictures, graphs, logos, and data
 - Conclusion with your own views
- 2 Case Study Practice
Answer the following questions in about 80–100 words each.
- A company named Bright Future Ltd. gives complete authority to only one manager for taking all decisions. Employees are not allowed to share ideas or suggestions. Due to this, workers feel demotivated and the company is facing delays in work.
 - Which principle of management is being ignored here?
 - State the principle.
 - Why is this principle important?
 - Mention one possible effect of ignoring this principle.
 - Healthy Bite Foods always checks the quality of raw materials before production. The company follows proper safety standards and honestly provides complete information about ingredients on product labels.
 - Which business value is shown by the company?
 - Why is this value important in business?
 - How does it help customers and society?
- 4 Think & Write
Write a paragraph (100–150 words):
“Why is customer satisfaction important for every business?”
Include:
- Importance of customer trust
 - Long-term success of business
 - Example of a company known for customer satisfaction
- 5 Business in News
Collect and paste or print any 3 business-related news articles.
For each article, write:
- What happened? (2–3 lines)
 - Which dimension of Business Environment is involved?
(Economic / Social / Technological / Legal / Political)
 - What impact can it have on businesses?

- b) Find AB.
 c) Determine whether matrix multiplication is commutative.
 d) Interpret rows and columns in real-life school data.
- 3 Case Study: Profit Analysis of a Company
 $P(x) = x^3 - 12x^2 + 36x + 20$
 a) Find $P'(x)$.
 b) Determine critical points.
 c) Find intervals where profit is increasing/decreasing.
 d) Suggest production level for maximum profit.
 Assertion & Reason Questions
- 4 Assertion–Reason
 Assertion (A): If $f'(x) > 0$ in an interval, then the function is increasing in that interval.
 Reason (R): Derivative represents the rate of change of a function.
 Choose the correct option.
- 5 Assertion–Reason
 Assertion (A): For matrices A and B, generally $AB \neq BA$.
 Reason (R): Matrix multiplication depends on order.
 Choose the correct option.
- 6 Assertion–Reason
 Assertion (A): At a point of maxima or minima, the first derivative may become zero.
 Reason (R): Critical points are obtained by equating derivative to zero.
 Choose the correct option.
 Real Life Based Questions
- 7 Traffic Flow Problem
 $V(t) = t^3 - 6t^2 + 9t + 15$
 a) Find the rate of change of vehicles with respect to time.
 b) At what time is traffic flow maximum or minimum?
 c) Interpret the meaning of derivative in this situation.
- 8 Business Inventory Using Matrices
 $A = \begin{bmatrix} 120 & 200 \\ 150 & 180 \end{bmatrix}$
 $B = \begin{bmatrix} 20 \\ 10 \end{bmatrix}$
 a) Find AB.
 b) Interpret the entries of the product matrix.
 c) Which branch has greater total inventory value?
 Critical Thinking Questions
- 9 Critical Thinking
 A student says:
 “If the derivative of a function at a point is zero, then the function must have a maximum value there.”
 Do you agree? Justify with an example.
- 10 Critical Thinking
 A matrix A satisfies $A^2 = A$. Such matrices are called idempotent matrices.
 a) Verify whether $A = \begin{bmatrix} 1 & 0 \\ 0 & 0 \end{bmatrix}$ is idempotent.
 b) Can every square matrix be idempotent? Explain logically.
 c) Mention one real-life application where matrices are useful.
 Bonus Activity (Optional)
 Create a real-life situation where:
 • derivatives help in decision making, OR
 • matrices help in organizing data.
 Represent your idea using equations, tables, or graphs.

PHYSICAL EDUCATION

- 1 Select any one sport of your choice. Identify the 5 major fitness components required for that sport and explain how you would design a 4-week training plan to improve at least 2 of them.
- 2 Write three yogasanas that help in managing stress and lifestyle diseases. Describe their procedure, benefits, and contraindications with diagrams or pictures.
- 3 Investigate the most common injuries in any one game/sport. Explain their causes, preventive measures, and first aid treatment as per recent guidelines.
- 4 Research the role of a sports captain. Write about the qualities required, and interview any local coach or player to find out how leadership affects team performance. Summarize your findings.
 Case-Based Study Question
- 5 Case Study:
 Ravi is a Class 12 student and a district-level football player. During practice, he suddenly complains of severe pain in his ankle after a fall. His ankle is swollen and he cannot put weight on it.

Based on this case, answer:

- a) What type of injury do you suspect and why?
 - b) What immediate first aid should be given using the R.I.C.E. method?
 - c) Suggest 3 long-term rehabilitation exercises once recovery begins.
- 6 Any one IOA recognised sports/Games of choice. Labelled diagram of field and equipment. Also mention its Rules, Terminologies and skills.

HINDI

- 1 रचनात्मक लेखन
क) रिपोर्ट लेखन— 'उत्तराखण्ड में मोटे अनाज का महत्व' पर एक विस्तृत रिपोर्ट तैयार करें।
ख) पत्रकारिता— अपने पसंदीदा न्यूज चैनल या पत्रकार की कार्यशैली और समाज पर उसके प्रभाव पर एक लेख लिखिए।
- 2 सचित्र परियोजना कार्य
क) समकालीन मुद्दे— 'बाजार दर्शन' निबंध के संदर्भ में 'आधुनिक युग में उपभोगतावाद का प्रभाव' पर सचित्र प्रोजेक्ट तैयार कीजिए।
ख) 'हिन्दी कविता की विकास यात्रा: एक विहंगम दृष्टि' (प्रमुख कवियों के चित्रों के साथ) लिखिए।
- 3 व्याकरण एवं भाषा—
क) पाठ्यक्रम में दिए गए कवियों/लेखकों का जीवन परिचय और उनकी प्रमुख रचनाओं का चार्ट तैयार करें।
नोट— सभी कार्यों को एक फाइल या नोटबुक में व्यवस्थित करें।

COMPUTER

Advanced Python Programming

- 1 Write a function to find the square of a number.
 - 2 Write a function to check whether a number is even or odd.
 - 3 Create a function to calculate the area of a rectangle.
 - 4 Write a function to display the multiplication table of a number.
 - 5 Explain local variables and global variables with examples.
 - 6 What is the difference between actual and formal parameters? Explain with examples.
- Cyber Ethics & Emerging Trends
- 7 Write short notes on Cloud Computing and Data Science.
 - 8 Design awareness poster on Online Frauds.
- Problem Solving Activity
- 9 Choose any one real-life problem and explain how Computer Science can help solve it.

Examples:

Online education
Traffic management
Cyber security
Digital payments
Healthcare systems
Waste management

Include:

The problem
Technology used
Expected solution
Benefits to society
Mini Project
Develop a Student Report card.

Output-Based Questions

```
x = 10
```

```
def test():
```

```
    x = 5
```

```
    print(x)
```

```
test()
```

```
print(x)
```

```
def func(a=5, b=10):
```

```
    print(a+b)
```

```
func()
```

```
func(2,3)
```

PSYCHOLOGY

- 1 **Long Case Study (10 Marks)**

Read the case carefully and answer the questions that follow:

Seventeen-year-old Ananya is a student of Class 12 preparing for her board examinations as well as entrance exams. She was always considered a hardworking and intelligent student. However, during the last few months, her behaviour has changed noticeably.

Ananya wakes up early and studies late into the night, often sleeping for only 4–5 hours. She spends most of her time studying or using her mobile phone to watch educational videos and compare her preparation with others on social media. Whenever she sees students posting about their achievements or study schedules online, she starts feeling anxious and believes she is not doing enough.

At school, Ananya has become quieter than before. She avoids participating in class discussions and has stopped spending time with her friends during breaks. Her teachers have noticed that although she studies continuously, she often appears distracted and forgets things easily. Recently, she scored lower marks in a test despite studying hard, which made her feel disappointed and frustrated.

At home, Ananya’s parents constantly remind her about the importance of securing high marks and getting admission into a reputed college. Though her parents want the best for her, their repeated expectations make her feel emotionally pressured. Whenever her mother asks about her preparation, Ananya becomes irritated and sometimes starts crying without clearly expressing her feelings.

To manage stress, Ananya has started drinking excessive coffee and spending more time alone in her room. She has also stopped doing activities she once enjoyed, such as painting and evening walks. Deep inside, she feels exhausted, unmotivated, and fearful about failing in life.

One day, her school counsellor spoke to her and suggested maintaining a balanced routine, taking short breaks, practising relaxation techniques, and sharing her feelings with trusted people. The counsellor also explained that mental health is equally important as academic success and encouraged her to focus on self-care and realistic goal-setting.

- a) Identify any four symptoms of stress or anxiety visible in Ananya’s behaviour.
- b) Explain any two factors responsible for Ananya’s stress.
- c) How is social media affecting Ananya’s self-esteem and mental health?
- d) Suggest any four healthy coping strategies that can help Ananya manage stress effectively.
- e) “Mental health is as important as physical health.” Explain this statement with reference to the case study.

2 **Application-Based Activity**

Self-Reflection Task:

Write a short reflective paragraph (150–200 words) on the topic:

“How Do I Handle Stress in My Daily Life?”

Include: Situations that make you stressed Your emotional reactions Ways you usually manage stress Healthy changes you would like to make in your routine

3 **Research & Analysis Task**

Topic: “Study Habits and Mental Well-Being Among Teenagers”

Conduct a survey of any 8–10 students and collect information about: Hours of study per day Sleep duration Screen time Stress level during exams Present: A table/chart/graph of the collected data Three observations from the survey One conclusion about students’ mental health and academic pressure

Instructions

Write answers neatly in your own words. Use psychological concepts wherever possible. Add creativity and proper presentation. Attach charts/graphs separately if needed.