



SHREE VASISHTHA VIDHYALAYA, CBSE

Summer Assignment 2026 - 27

Class-XI (Commerce)



Classes XI–XII

Dear Vashithians,

“The highest education is that which does not merely give us information but brings our lives in harmony with all existence.” — Rabindranath Tagore

As you step into the summer break, remember - this is not merely time away from school, but an opportunity to reconnect with yourself. It is a season to explore ideas, nurture curiosity, and grow beyond the boundaries of the classroom.

Learning does not pause; it simply transforms.

In moments of rest and play, in quiet reading and active exploration, and in reflection and creativity—true understanding unfolds. The holiday homework has been thoughtfully designed not as a checklist, but as a meaningful journey - a canvas where imagination meets logic and knowledge connects with real-life experiences.

Plan your time with intention. Set clear goals, prioritize wisely, and maintain a balanced routine. Equally important is the ability to pause, reflect, and rejuvenate - because a refreshed mind learns best. Stay organized, be consistent, and seek guidance whenever needed, for growth becomes richer when shared.

Let reading become your companion this summer. Choose any one novel from the following - Things Fall Apart, To Kill a Mockingbird, or Animal Farm and engage deeply with its ideas. Reflect, question, and articulate your understanding through a thoughtful review that captures both insight and perspective.

Stay connected with the world around you. Cultivate the habit of reading newspapers daily and create a scrapbook of articles, visuals, and ideas that inspire you. Express your thoughts as you reflect on issues shaping our society.

Aligned with the vision of the National Education Policy 2020, these experiences aim to nurture not only academic excellence but also creativity, critical thinking, and essential life skills. Education, after all, is not merely about acquiring knowledge - it is about understanding, questioning, and evolving.

To further enrich your learning journey, explore the SWAYAM platform - an initiative by the Ministry of Education, Government of India - offering a wide range of online courses by NCERT. Choose thoughtfully, learn independently, and broaden your horizons.

This summer, let curiosity guide you, discipline strengthen you, and creativity define you.

Read with depth.

Think with clarity.

Create with confidence.

Grow with purpose.

***Wishing you a meaningful
and magical summer!***

Warm regards,
SVV Family

“Summer brings the time to rest, But learning too can be at its Best!”

SUMMER ASSIGNMENT: 2026-27

CLASS: XI (COMMERCE STREAM)

General Instructions: -

1. All the subject assignments have to be done in separate files using project papers.
2. Submission date: - 15th June, 2026 (Monday)
3. The Summer Break is scheduled from 03rd May 2026 - 07th June, 2026. The students will resume the school from 5th June, 2026 (Friday).

Note: - These assignments are a part of your internal assessment & will be marked accordingly out of 10.

ENGLISH CORE (301)

- Q1. Discuss the relevance of the title *The Portrait of a Lady*.
- Q2. The grandmother had a divine beauty. How does the author bring it out?
- Q3. Comment on the tone of the poem (*A Photograph*)
- Q4. What kind of relationship did the narrator have with his grandmother?
- Q5. Explain the significance of the grandmother's portrait mentioned in the story.
- Q6. If you were the narrator, how would you describe your feelings toward the grandmother.
- Q7. Why does the poet say her mother laughed at the snapshot?
- Q8. What emotions does the poet experience when she looks at the photograph?
- Q9. Why is the Title appropriate of the lesson *We're not afraid to die if we can all be together*?
- Q10. Write the brief summary of the story '*The Summer of Beautiful White Horse*'.

ECONOMICS (030)

- Q1. Students are required to read **any two editorials** from reputed newspapers (e.g., *The Hindu*, *Economic Times*, *Business Standard*) related to the Indian Economy (domains like banking, energy, LPG crisis, nuclear power plant of India, Depreciation of Indian Rupee etc.) and develop a synopsis report of 150 words.
- Q2. During global conflicts such as the Iran-US-Israel war, nations often divert resources towards defense production. For instance, the **defence budget of Israel** has increased significantly in recent years, especially due to ongoing conflicts in the region. (2024-2026)
 - Around \$46.5 billion
 - About 8.8% of GDPAt the same time, welfare schemes like **VB-G-RAM-G** aims to generate employment and boost rural output."
 - (a) Explain the impact of war on PPC of Iran and US.
 - (b) How do welfare schemes like **VB-G-RAM-G** affect PPC of India?
- Q3. JB Say mentioned that "**Supply creates its own demand**" which is widely criticized by John M. Keynes. Draw the timeline chart of Economics.
- Q4. **Read the article published in Economic Times:**
"India has marked a major milestone in its nuclear energy programme. The indigenously designed and built Prototype Fast Breeder Reactor (PFBR) at Kalpakkam in Tamil Nadu successfully attained its first criticality on 6th April 2026, marking the initiation of a sustained nuclear chain reaction. This PFBR is a 500 MWe (MegaWatt electrical) reactor built by Bharatiya Nabhikiya Vidyut Nigam Limited (BHAVINI) at the Kalpakkam Nuclear Complex".
Analyze the impact of this development on PPC of India.
- Q5. **This section presents five questions, each with an assertion (A) and a reason (R). Choose from the following options:**
 - (a) Both A and R are true, and R is the correct explanation of A;
 - (b) Both A and R are true, but R is not the correct explanation of A;
 - (c) A is true but R is false;
 - (d) A is false but R is true.A: Law of demand doesn't apply if consumers are ignorant of price changes.
R: The law of demand states an inverse relationship between price and quantity.
A: A rise in the price of Coke increases demand for Pepsi.
R: Substitute goods exhibit competitive demand.
A: Demand differs from desire and want.
R: Demand schedules and demand curves provide the same information.
A: A rise in the price of a commodity leads to a contraction of demand.
R: Contraction of demand assumes other determinants remain constant.
A: A positively sloped demand curve violates the law of demand.
R: The law of demand fails in the case of inferior goods.

- Q6. Distinguish between Movement along the demand curve and shift of demand curve using any five grounds?
- Q7. **Read the article published in Reuters:**
“India is currently facing a serious LPG (Liquefied Petroleum Gas) crisis, triggered mainly by global geopolitical tensions, especially conflicts in West Asia. The disruption of key supply routes like the Strait of Hormuz has severely affected the country’s fuel supply chain. India depends on imports for nearly 60% of its LPG needs, with a major share traditionally coming from the Middle East. Due to the ongoing conflict, imports have been disrupted, forcing India to explore alternative suppliers such as Russia and other countries.”
 If the price of LPG cylinders increases significantly, what will be its impact on the demand for PNG? Explain using the concept of substitute goods.
- Q8. Due to rising fuel prices, many consumers are shifting from petrol to ethanol-blended fuels.
 (a) Identify the relationship between petrol and ethanol.
 (b) Explain how a rise in petrol prices affects the demand for ethanol.
- Q9. Elaborate the Law of Demand with its assumptions and exceptions.
- Q10. A country can produce either wheat or cloth with its resources.
Calculate MOC and MRT.

Combination	Wheat (units)	Cloth (units)
A	0	10
B	2	9
C	4	7
D	6	4
E	8	0

- Q11. Develop flash cards (5) on any topic related to Economics. (Flash cards must be creative, unique and presentable)
- Q12. **Analyze the news article and using the PPC tool underline the central problems of Cuba. Along with this also investigate the impact of energy crisis on PPC of Cuba.**

Millions of Cubans plunged into darkness as fuel crisis deepens

5 March 2026

Jessica Rawnsley

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Cuba's national electricity company UNE said the blackout affected a vast area stretching from the central province Camaguey to Pinar del Rio in the west, and including the capital, Havana.

Cuba has been hit by a wave of power cuts in recent years, with chronic fuel shortages exacerbated by a US blockade on oil from key ally Venezuela since January.

The communist nation is also suffering from a shortage of aviation fuel, leading several airlines to suspend services there and limiting international tourism. Air France became the latest carrier to do so on Wednesday.

The cause of Wednesday's outage was sparked by a breakdown at the Antonio Guiteras thermometric plant, about 100km (62 miles) east of Havana, authorities said.

BUSINESS STUDIES (054)

- Q1. Armaan is very fond of playing indoor games, he requested his father to buy him some indoor games. His father sold his old laptop on Olx.com and bought him a new play station from Cromaelectronix.com. Can the transaction by Armaan's father to sell the old laptop be termed as a business transaction? Name the related feature of business to support your answer.
- Q2. GMR Industries entered the airports space in early 2000s and is today counted amongst the top 5 airport private airport developer and operators globally. GMR Industries presently owns and operates Delhi International Airport and Hyderabad International Airports. Apart from being the largest private airport company in India, GMR Industries is the only Indian airport developer to have developed and operated airports outside India. Identify the types of industry and its category being discussed in above case.

- Q3.** Shiela after graduating from college went back to her home town in Meghalaya. It was a small town with very few job opportunities. The Karbi tribal women in that area were uneducated but still practiced the method of obtaining traditional colours from natural wild herbs. Their most popular dye was indigo obtained from the leave called 'sibu'. Using these colours they added variety to their textiles. The women were mainly confined to their homes and they did not know how to make a living out of their talent. Shiela went from door to door and analysed the problem that existed. She thought of setting up a business of buying textiles from them and converting them to suits in her factory in Noida. Her business turned out to be a great success. On the basis of the given information about Shiela, answer the following questions:
- Identify the type of business activity Shiela is engaged in.
 - Specify the category of the type of business activity performed by Shiela.
 - Which type of business activity is undertaken by Karbi tribal women by getting indigo obtained from the leave called 'sibu'?
- Q4.** Apoorvi, from a young age had a deep connection with traditional Indian textiles making a career in fashion by leaving her professional life behind and pursued a design programme at the Los Angeles School of Design and Merchandising. Thus, Apoorvi got maximum real world fashion exposure. With her love for these Indian fabrics and her arsenal of fashion knowledge she now intends to glorify these national treasures with her readymade store 'Armaniya'. 'Armaniya' is an initiative to incorporate a perfect mix of latest trends, luxury fabrics, Indian traditional weaves and culture all under one roof. She manages the business along with two employees i.e., salesman and a cashier. She usually takes advice from her father in case of any managerial issue. Now-a-days, Apoorvi is facing a lot of problem as trends in the field are continually changing, meaning businesses must continually adapt to market demands, this ever-changing market along with strong competition has added to the trouble of declining sales. Furthermore, One day Apoorvi found her cashier doing some embezzlement of cash. On the basis of the given information about Apoorvi, answer the following questions:
- Identify the different causes of business risks discussed in the above case. Also quote the lines for the identified cause.
 - Are the above identified risks pure risk or speculative risk? Give reason in support of your answer.
- Q5.** Monica Khanna is a jewellery designer. She started her career from the scratch and took advanced designing course at Jewellery Product Development Center. On the completion of the course she got a job at Gitanjali Gems. Being an experienced jewellery designer, Monica Khanna focuses on maintaining the originality and creativity of the ornaments that are custom designed and developed by her. On the basis of the given information about Monica Khanna, answer the following questions:
- Identify the type of economic activity that Monica Khanna is engaged in.
 - State any three features of the type of economic activity as identified in part (a).
- Q6.** Rohit and Gurvinder are partners selling electronic products across India. They import the components from their friend Atul who does his business in China and assemble them in their factory established in a rural area Jharkhand most of the workers in the factory are children and women. They are paid very less salaries thus owner save on labour cost. They store their stocks in a warehouse but donot take proper safety measures against fire, burglary. There was a short circuit in the factory and as a result most of the stock was damaged. On the basis of the given information about Rohit and Gurvinder, answer the following questions:
- Specify the type of business activity performed by Rohit and Gurvinder.
 - Specify the type of business activity performed by Atul.
 - Specify the auxiliary to trade used by Rohit and Gurvinder.
 - Identify any value which has been violated by Rohit and Gurvinder.
- Q7.** Katherine wants to start a retail business of fashionable items. Change in taste and preferences of customers may result in loss in such type of business. She is hesitating as she is aware of risks which are inherent in every business. She approaches her friend Kristina who is the owner of a retail shop. Kristina advises her to go ahead with her idea as she will get profit as return for undertaking risk. She also told her that some risks in business can be insured by taking insurance policy.
On the basis of the given information about Katherine answer the following questions:
- What is Business Risk?
 - Identify the main features of business risk discussed in the above case. Also quote the lines for the identified feature.
 - Is change in taste and preferences of customers, pure risk or speculative, Why?
- Q8.** Ratan after doing his B. Pharma degree from a reputed government college started two chemist shops in two different localities of his home town. Encouraged with the success of these shops, he started six more shops in different cities of the State. His strategy was to cut price, focus on lower and middle class patients and open shops near hospitals. He earned good profit margins. But the staff of the shops did not give much attention to the customers. Because of this mis-management he started incurring huge losses and his business failed.
- On the basis of the given information about Ratan, answer the following questions:
 - Identify and explain the main cause behind the business failure of Ratan.
 - Explain any two other causes of risk associated with Ratan's business.

Q9. Vijay Plastic Pvt. Ltd. are makers of plastic toys for children; earning a huge profit. A research conducted by The Indian Council of Child Welfare on the toys shows that colours used in manufacturing toys are harmful for the children. The test was conducted on toys manufactured by the company and case was filed against Vijay Plastic Pvt. Ltd. for using sub-standard colours. However, managing director assured that the company will use standard colours only after certification from the research laboratory. The company will expand its production capacity by employing labour from unprivileged sections of the society. On the basis of the given information about Vijay Plastic Pvt. Ltd., answer the following questions:

- (a) Specify the type of business activity performed by Vijay Plastic Pvt. Ltd.
- (b) Specify the category of type of business activity identified in part (a).
- (c) Specify the social value ignored by the company and social value taken into account by the company.

Q10. Different situations about different business are being elaborated below:

- (a) Raghunanda Biswas had a match stick factory in Indonesia which got destructed by the recent earthquake.
- (b) Rajiv Menon, a senior manager in a telecom company shared confidential information about the company with a competitor which led to huge losses for the company.
- (c) Readyfone Co. was charged with evasion of tax and asked to pay fine in crores which would lead to heavy losses for the company.
- (d) Type writers becoming redundant due to invention of personal computers.

On the basis of the given information about different business, answer the following questions:

- (i) Which characteristic of business is being highlighted in the above situations?
- (ii) Identify the different causes of concept identified in part (i) from the above information?

Q11. Start-ups are usually small and initially financed and operated by a handful of founders or one individual. These companies offer a product or service that is not currently being offered elsewhere in the market, or that the founders believe is being offered in an inferior manner. What does it take to Start-ups? A brilliant idea? A great team? Money? Yes. All of those things. But more than anything what it takes, is belief. A belief that there is significance to the problem being addressed, and that the solution is something which the consumer wants. It is really amazing how most large companies have such humble stories of starting up. All of them started with nothing but just plain conviction. Even with such conviction they fail because of an inherent factor present in business. On the basis of the given information about Start-ups. answer the following questions:

- (a) Identify this inherent factor which led to failure of business enterprise.
- (b) Explain any three features of the factor identified in part (a).

Q12. Alex David is a legal advisor in a multinational company. He gets 65,000 per month as his salary. On weekends, Alex David goes to nearby village and teaches some slum children, he does not charge anything from them, he does it out of sympathy and concern for poor children. This gives him mental and psychological satisfaction. On the basis of the given information about Alex David, answer the following questions:

- (a) Specify the types of human activity performed by Alex David.
- (b) Differentiate between types of human activity identified in part (a) on any two basis.
- (c) Identify any value which Alex David is trying to communicate to the society.

Q13. Phoenix Technologies Ltd., have developed such a washing machine through years of research which requires very less water for washing clothes and cleans them without damaging the cloth, as compared to other washing machines presently being sold in the market. This machine use 3D wash system, whereby there are 3 nozzles to spray water inside the drum while it rotates 360 degree. This facilitates complete dissolving of detergents and deep penetration of detergents into the clothes while washing. During the rinsing stage, the 3D wash system helps better penetration of fresh water in to the clothes, thereby minimizing any detergent traces in the clothes. This machine is available at a highly competitive price to motivate people from lower middle class to buy it. The company wants to provide information about new features, price, availability and brand name to the maximum potential customers. On the basis of the given information about Phoenix Technologies Ltd., answer the following questions:

- (a) Explain the service facility/aids to trade which the company can utilize to generate maximum sales.
- (b) Explain other service facility/aids to trade facilitating smooth movement of goods from the producer to the ultimate consumers.

Q14. Aman and Sandeep completed their studies and planned to start their own business instead of looking for job. Aman's father is working in Portland Cement manufacturing company as supervisor. He told them that common materials used to manufacture cement include limestone, shells, and chalk or marl combined with shale, clay, slate, blast furnace slag, silica sand, and iron ore. He also told them that Limestone is most often mined from a quarry which is done by Adarsh Ltd. He told them that his company is facing a problem of storing the limestone because of shortage of space. This gave them an idea to start a warehousing business. On the basis of the given information, answer the following questions:

- (a) Identify the different types of industries being discussed in above case.
- (b) Specify the category of type of industries to which the industries identified in part (a) belongs to.

- Q15.** An auto company, Car Generation Ltd. is facing a problem of declining market share due to increased competition from other new and existing players in the market. Its competitors are introducing lower priced models for mass consumers who are price sensitive. For quality conscious consumers, the company is introducing new models with added features and new technological advancements. On the basis of the given information about Car Generation Ltd., answer the following questions:
- Identify the concept of business highlighted in the above case.
 - Enumerate the different methods of dealing with business concept identified part (a).
- Q16.** Dr. Anant Kumar is an Orthopedic surgeon in Jaipur Golden Hospital and Dr. Sukumar Anand, his friend is a Pedetrician who has set his own clinic. Dr. Sukumar Anand's wife, Ms. Sukumar Priya Anand operates a retail store specializing in the selling of antiques. On the basis of the given information about different business, answer the following questions:
- Identify the type of economic activity undertaken by Dr. Anant Kumar, Dr. Sukumar Anand and Ms. Sukumar Priya Anand.
 - Differentiate between them on basis of nature, capital investment, and transfer of interest.
- Q17.** Newland Tea Ltd. is a Singapore based company dealing in import of tea from India and re-exporting it to many South-East Asian Countries. It has a huge godown near the sea port where it has made scientific arrangements for storing tea till it is re-exported. On the basis of the given information about Newland Tea Ltd, answer the following questions:
- Name and explain the type of trade referred above?
 - Name the aids to trade being utilized by Newland Tea Ltd., and" which utility does it create?
- Q18.** Sona Technologies Ltd. have developed a hand powered, portable washing machine that can clean your clothes in a flash. Their product is very different as compared to other washing machines presently sold in the market. The profit margins are kept low to motivate people from lower middle class to buy the product. The company wants to provide information about new features, price, availability and brand name to the target market. Presently the company is only delivering their product in Japan but they are planning to tie up with Amazon for delivering it to other parts of world too. On the basis of the given information about Sona Technologies Ltd., answer the following questions:
- Name and explain the service facility/aids to trade which the company can utilize to inform the target market about their product.
 - Which hindrance of commerce is removed by Amazon?

ACCOUNTANCY (055)

- Q1.** Distinguish between financial accounting, cost accounting, and management accounting.
- Q2.** The definition of accounting brings to light various attributes of accounting. In context to this, define accounting and discuss any three attributes of accounting.
- Q3.** Explain Comparability as qualitative characteristics of accounting information.
- Q4.** Basic objective of accounting is to provide useful information to various users. Beside these, there are many other objectives of accounting. Explain any four of them.
- Q5.** Explain the following: (a) Going Concern Concept (b) Dual Aspect Concept
- Q6.** Explain the following: (a) Matching concept (b) Consistency Assumption
- Q7.** What is the money measurement concept? Which one factor can make it difficult to compare the monetary values of one year with the monetary values of another year?
- Q8.** State the accounting concept/convention involved in each of the following situations:
- The calibre or quality of the management team is not disclosed in the Balance Sheet.
 - Advance received from a customer is not taken as income or sales.
 - Assets are recorded in books at the cost incurred for the acquisition of such assets.
 - Revenue must be recognised when it is realised and expenses are recognised when incurred.
 - A business for which financial statements are prepared is separate and distinct from the owner of the entity.
 - The assumption is made that the entity in question will remain in business for an indefinite period of time.
 - Capital contributed by the proprietor is credited to his Capital Account.
 - Financial statements of the firm are prepared every year on 31st March.
- Q9.** Explain the element of statement of financial position and comprehensive income.
- Q10.** Mr. Gopal started business for buying and selling of readymade garments with Rs.8,00,000 as an initial investment. Out of this he paid Rs.4,00,000 for the purchase of garments and Rs.50,000 for furniture and Rs.50,000

for computers and the remaining amount was deposited into the bank. He sold some of the ladies and kids garments for Rs.3,00,000 for cash and some garments for Rs.1,50,000 on credit to Mr. Rajesh.

Subsequently, he bought men's garments of Rs.2,00,000 from Mr. Satish. In the first week of the next month, a fire broke out in his office and stock of garments worth Rs.1,00,000 was destroyed. Later on, some garments which cost Rs.1,20,000 were sold for Rs.1,30,000. Expenses paid during the same period were Rs.15,000. Mr. Gopal withdrew Rs.20,000 from business for his domestic use.

From the above, answer the following:

- What is the amount of capital with which Mr. Gopal started the business?
- What fixed assets did he buy?
- What is the value of the goods purchased?
- Who is the creditor and state the amount payable to him?
- Who is the debtor and what is the amount receivable from him?
- What is the total amount of expenses?
- What is the amount of drawings of Mr. Gopal?

Q11. Munesh started a business on 1st April, 2022 with a capital of Rs.25,000 and a loan of Rs.12,500 borrowed from Sunny. During 2022 - 23, he had introduced additional capital of Rs.12,500 and had withdrawn Rs.7,500 for personal use. On 31st March, 2023, his assets were Rs.75,000. Find out his capital as on 31st March, 2023 and profit made or loss incurred during the year 2022 - 23.

Q12. Show an Accounting Equation for the following transactions:

- D. Mahapatra commenced business with cash Rs.50,000 and Rs.1,00,000 by cheque; goods Rs.60,000; machinery Rs.1,00,000 and furniture Rs.50,000.
- 1/3rd of the above goods sold at a profit of 10% on cost and half of the payment is received in cash.
- Depreciation on machinery provided @ 10%.
- Cash withdrawn for personal use Rs.10,000.
- Interest on drawings charged @ 5%.
- Sold goods for Cash Rs.10,000 at par.

Q13. Monika has the following assets and liabilities as on 31st March, 2013. Ascertain his capital.

Cash Rs.50,000, bank Rs.95,000, debtors Rs.36,000, creditors Rs.44,000, plant and machinery Rs.1,60,000, building Rs.4,00,000, furniture Rs.48,000, bills receivable Rs.1,13,000, bills payable Rs.47,000.

Q14. Prepare Accounting Equations on the basis of the given transactions:

- Started business with cash Rs.80,000
- Credit purchase of goods Rs.28,000
- Payment made to creditors in full settlement Rs.27,000
- Purchase of machinery for cash Rs.15,000

Q15. Prove that the accounting equation is satisfied in all the following transactions of Sita Ram house by preparing the analysis table.

- Business commenced with a capital of Rs.6,00,000.
- Rs.4,50,000 deposited in a bank account.
- Rs.2,30,000 Plant and Machinery Purchased by paying Rs.30,000 cash immediately.
- Purchased goods worth Rs.40,000 for cash and Rs.45,000 on account.
- Paid a cheque of Rs.2,00,000 to the supplier for Plant and Machinery.
- Rs.70,000 cash sales (of goods costing Rs.50,000).
- Withdrawn by the proprietor Rs.35,000 cash for personal use.
- Insurance paid by cheque of Rs.2,500.
- Salary of Rs.5,500 outstanding.
- Furniture of Rs.30,000 purchased in cash.

Q16. Prepare Accounting Equations on the basis of the given transactions:

Sl. No.	Particulars	Amount (₹)
(i)	Started business with cash	1,20,000
(ii)	Purchased goods for cash	10,000
(iii)	Rent received	5,000
(iv)	Salary outstanding	2,000
(v)	Prepaid insurance	1,000

- Q23.** Which advantage of accounting is being talked by Shetty in last part of first para?
 a) Provides information regarding profit and loss b) Provides completes and systematic record
 c) Enables comparative study d) Evidence in legal matters
- Q24.** Which limitation of accounting is being talked by them?
 a) Incomplete information b) Omission of qualitative information
 c) Influenced by personal judgement d) Based on historical costs
- Q25.** What might have their teacher said to solve their argument?
 (i) Sen, please understand, Shetty is correct in this situation
 (ii) Shetty, please understand, Sen is correct in this situation
 a) i b) None of these c) ii d) Both i and ii

Question No. 26 to 28 are based on the given text. Read the text carefully and answer the questions:

Ben and Jones started with Cash Rs.10,000 and Machinery Rs.1,00,000. They decided to set up a production line for PPE kits for the protection from Covid 19 virus. As their demand expanded, they decided to purchase one more machinery. For the same, they took bank overdrafts and purchased the machinery. The quality of the company's product was very high and therefore, it could develop a reputation for itself in the market and business was flourishing.

After 1.5 years, their old machinery turned obsolete so they decided to sell the same. They sold it and got some cash proceeds. To further increase the brand presence among the concerned stakeholders, they decided to run advertisements from the cash proceeds of machinery sold.

As more and more customers demanded their product, they decided to launch a discount for bulk purchases. The discount was not to be recorded in the books of accounts. This campaign was successful and they earned lot of profits from the same.

- Q26.** What was the capital initially invested?
 a) Rs.90,000 b) Rs.1,10,000 c) Rs.10,000 d) Rs.1,00,000
- Q27.** Which type of liability is discussed in the passage?
 a) Non –current b) Current c) Long term d) Both current and non - current
- Q28.** Which asset is discussed in the line, The quality of the company's product was very high and therefore, it could develop a reputation for itself in the market and business was flourishing ?
 a) Tangible b) Current c) Intangible d) All of these

Question No. 29 to 32 are based on the given text. Read the text carefully and answer the questions:

KLR Ltd. is publicly listed company trading in EV batteries. The company is known to have an advanced version of EV battery which can be used in almost all types of EV cars. As a result of onset of EV trend in India, company is getting lot of pre - orders.

Recently, one of the largest cab aggregators of India collaborated with the company to get batteries. Against this order, company received an advance of Rs.10,00,000. When the EV batteries were delivered, company received the rest of the payment of Rs.5,00,000.

The company sent a source document for these goods sold. Consequently, the company deposited the money received in the bank account.

To produce and fulfil the further orders, the company decided to purchase a new 3D moulder. It was worth Rs.1,00,000 and company issued a document in writing drawn upon a specified banker and payable on demand.

- Q29.** The company also employed an experienced manager to streamline the operations. As a result, company continued to prosper and its stock prices also shot up.
- Q30.** What is the accounting equation for advance received against order?
 [Use format Asset = Liabilities + Capital]
 a) $15,00,000 + (15,00,000) = 0 + 0$ b) $10,00,000 + (10,00,000) = 0 + 0$
 c) $10,00,000 = 10,00,000 + 0$ d) $10,00,000 = (10,00,000) + 0$
- Q31.** Which document is highlighted in the line, It was worth Rs.1,00,000 and company issued a document in writing drawn upon a specified banker and payable on demand ?
 a) Credit note b) Debit note c) Cheque d) Pay - in - slip
- Q32.** Which of following would be unchanged as a result of transaction of purchasing 3D moulder of Rs.1,00,000?
 a) Capital b) Assets c) Liabilities d) All of these

INFORMATICS PRACTICES (065)

- Q1. Create a Python program for a *Shopping Mall Invoice Generator* that takes product name, price, and quantity for 3 to 5 items.
- Calculate the total amount, discount (10%), and net payable amount.
 - Display the output in a proper invoice format like a shopping mall. Use input() function, suitable variables, and arithmetic operators as per requirements, and apply proper string formatting.
 - Add your name as the mall name or include “Designed By: Your Name” in the output

```
===== FINAL INVOICE =====
Product           Price    Qty    Total
Shirt             1000     2     2000
Jeans             1200     1     1200
Shoes             1500     1     1500
-----
Grand Total:                    4700
Discount (10%):                 470.0
-----
Net Payable:                    4230.0
=====
                        THANK YOU! VISIT AGAIN
=====
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PHYSICAL EDUCATION (048)

- Q1. Write a short profile of any famous sportsperson who turned their career into a profession in physical education (e.g., Neeraj Chopra or P. V. Sindhu).
Include:
- Early life
 - Achievements
 - Contribution to sports
- Q2. How does Physical Education help in life?

APPLIED MATHS (241)

Do as directed:

- Q1. Convert the following decimal numbers to the binary numbers:
(i) 129 (ii) 394 (iii) 639 (iv) 1018
- Q2. Convert the following binary numbers to the decimal numbers:
(i) 1000011110 (ii) 1111101 (iii) 100010001 (iv) 110110110
- Q3. Add the following binary numbers and check the results by converting them to decimal system:
(i) 11011101 and 10101001 (ii) 11110101 and 11000110
- Q4. Subtract the following binary numbers and check the results by converting them to decimal system:
(i) 10011010 from 100011110 (ii) 101111011 from 1001001000
- Q5. Multiply the following binary numbers and check the results by converting them to decimal system:
(i) 1000011 by 1011 (ii) 1100110 by 1001
- Q6. Divide the following binary numbers and check the results by converting them to decimal system:
(i) 10000001 by 1111 (ii) 101011 by 1001
- Q7. If $a = c^z$, $b = a^x$ and $c = b^y$, prove that $xyz = 1$.
- Q8. If $2^x = 3^y = 12^z$, prove that $x = \frac{2yz}{y-z}$.
- Q9. By converting to exponential form, find the values of:
(i) $\log_5 0.008$ (ii) $\log_{\sqrt{8}} 8$
- Q10. Solve the following equations for x:
(i) $\log_{\sqrt{3}}(x + 1) = 2$ (ii) $\log_2(x^2 - 1) = 3$
- Q11. If $\frac{\log a}{b-c} = \frac{\log b}{c-a} = \frac{\log c}{a-b}$, prove that: $a^a \cdot b^b \cdot c^c = 1$

- Q12.** Solve for x: $\log_2 x + \log_4 x + \log_{16} x = \frac{21}{4}$.
- Q13.** Given that $\log_{10} y + 2\log_{10} x = 2$, express y in terms of x.
- Q14.** If $\log \frac{x-y}{2} = \frac{1}{2}(\log x + \log y)$, prove that $x^2 + y^2 = 6xy$.
- Q15.** Find the characteristic of logarithms of the following numbers:
(i) 538.6 (ii) 7124000 (iii) 0.00034 (iv) 0.00000526
- Q16.** Find the mantissa of logarithms of the following numbers using the log tables:
(i) 0.0135 (ii) 0.7824 (iii) 9.876
- Q17.** Evaluate the following using log table:
(i) $\log 8.39$ (ii) $\log 0.0007$ (iii) $\log 0.00002591$
- Q18.** Using antilog tables, find x
(i) $\log x = 1.3649$ (ii) $\log x = \bar{2}.4567$
- Q19.** Evaluate the following using log tables:
(i) $\frac{(5.364)^3 \times (49.76)^{1/2}}{(83.45)^{1/3}}$ (ii) $\frac{(0.0029)^{1/3} \times (3.769)^{1/2}}{(0.00078)^{3/4}}$
- Q20.** The maximum gap between two successive leap years is
(a) 4 (b) 8 (c) 2 (d) 1
- Q21.** How many leap years do 300 years have?
(a) 75 (b) 74 (c) 72 (d) 73
- Q22.** How many odd days are there in 300 years?
(a) 0 (b) 1 (c) 2 (d) 3
- Q23. Assertion (A):** If 29th November 1971 was Monday, then it was Sunday on 17th November 1968.
Reason (R): There are 22 odd days from 17th November 1968 to 29th November 1971.
- Q24. Assertion (A):** In 400 years, there are 0 odd days.
Reason (R): There are 97 leap years and 303 non-leap years in 400 years.
- Q25. Case Study:**
Matching years
Can a calendar for one year be served as the calendar for some other year?
The answer of the above question is 'Yes'.
A calendar for leap year can be used for some other leap year in future and calendar for non-leap year can be used for some other non-leap year. The condition is that there must be 0 number of odd days between two years.
The rule of finding the matching year (i.e. year having the same calendar) is given below:
For leap-year
General rule: Add 28 to the year.
If on adding 28 to the year, we cross a century year, then check whether century year is a leap year or not.
Case 1. If century year is a leap year, then adding 28 is correct.
Case 2. If century year is a non-leap year, then add 40 instead of 28 to the year.
For non-leap year
General rule: Add 11 to the year.
Case 1. If on adding 11, we are getting a non-leap year, then adding 11 is correct.
Case 2. If on adding 11, we are getting a leap year, then add 6 instead of 11 to the year.
Based on the above information, answer the following questions:
(a) Which year will have the same calendar as that of year 2020?
(b) Which year will have the same calendar as that of year 2013?
(c) Which year will have the same calendar as that of year 2076?
(d) Rahul celebrated his 10th birthday on Friday, 26 February 2021. Which birthday, he will celebrate on the same day?

You are required to prepare a Project File based on “**Segmentation, Targeting and Positioning**”.

Project File Guidelines & Layout:

Please ensure your project is well-organized and follows the structure given below:

1. Cover Page

- Title of the Project
- Student's Name
- Class & Section
- Subject (Marketing)
- School Name

2. Acknowledgement

3. Index

4. Introduction of the Topic

5. Content/Body of the Project

- Detailed explanation of the chosen chapter
- Use headings, subheadings, diagrams, examples wherever possible

6. Conclusion

7. Bibliography / References

Important Instructions:

- The project must be handwritten and neat.
- Maintain proper margins and presentation.
- The project should be of minimum 25 pages.
- Use relevant examples, case studies, or illustrations to make your project more effective.

Important Note:

THIS PROJECT FILE WILL BE INCLUDED IN YOUR TERM 1 PRACTICAL MARKS. PLEASE COMPLETE IT SERIOUSLY AND SUBMIT IT ON TIME.