

# SHREE VASISHTHA VIDHYALAYA

(English Medium, CBSE affiliated, Member-NPSC, Recipient-International School Award)

## PA-II Assignment: 2026 27

### Class-XI Commerce

DATE OF SUBMISSION: 11-07-2026 (Saturday)

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. | <b>ENGLISH</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|    | <p><b><u>Beginner Level</u></b></p> <ol style="list-style-type: none"><li>1. What season is described at the beginning of the poem?</li><li>2. Why does the laburnum tree appear silent and lifeless before the bird arrives?</li><li>3. Which bird visits the laburnum tree?</li><li>4. What happens to the tree when the goldfinch enters it?</li><li>5. Why does the tree become silent again at the end of the poem?</li><li>6. Who is the narrator of the story?</li><li>7. Who was Mrs. Dorling?</li><li>8. Why does the narrator visit Mrs. Dorling's house?</li><li>9. How does Mrs. Dorling behave when the narrator first meets her?</li><li>10. Why does the narrator decide not to visit Mrs. Dorling again?</li><li>10. Who discovered King Tut's tomb?</li><li>11. Why is King Tut famous in history?</li><li>12. What was the main purpose of conducting the CT scan on King Tut's mummy?</li><li>13. Where was King Tut's mummy kept before the CT scan?</li><li>14. Why did the work stop briefly during the CT scan?</li></ol> <p><b><u>Intermediate Level</u></b></p> <ol style="list-style-type: none"><li>15. How does the poet contrast the appearance of the laburnum tree before and after the arrival of the goldfinch?</li><li>16. Explain the significance of the phrase "<b>a machine starts up</b>" in the context of the poem.</li><li>17. Why does the poet compare the movement of the goldfinch to "<b>a lizard</b>"? What effect does this comparison create?</li><li>18. What role do the young birds play in bringing the laburnum tree to life? Support your answer with examples from the poem.</li><li>19. How does the ending of the poem reinforce the theme of the relationship between nature and life?</li><li>20. Why does the narrator hesitate before visiting Mrs. Dorling's house after the war?</li><li>21. Describe the contrast between the narrator's memories of her home and what she experiences at Mrs. Dorling's house.</li><li>22. How does Mrs. Dorling's behaviour reflect her attitude towards the narrator and her family's belongings?</li><li>23. Why does the narrator decide to leave the household items with Mrs. Dorling instead of claiming them?</li><li>24. Explain how the story conveys the idea that memories are more valuable than material possessions.</li><li>25. Why did archaeologists decide to perform a CT scan on King Tut's mummy despite earlier examinations?</li><li>26. Describe the difficulties faced by the team while carrying out the CT scan of King Tut's mummy.</li><li>27. How did the discovery of King Tut's tomb change the world's interest in ancient Egypt?</li><li>28. Why has the death of King Tut remained a mystery despite years of research?</li><li>29. Explain how modern technology has helped historians and archaeologists learn more about King Tut.</li></ol> <p><b><u>Advanced Level (HOTS)</u></b></p> <ol style="list-style-type: none"><li>30. The laburnum tree appears lifeless until the goldfinch arrives. How does the poet use this transformation to comment on the interdependence of living beings in nature?</li><li>31. The goldfinch is described as both energetic and cautious. Analyse how the poet uses the bird's behaviour to symbolize the responsibilities of parenthood.</li><li>32. The poem begins and ends with silence. Evaluate how this structural pattern contributes to the poem's overall meaning and emotional impact.</li><li>33. The laburnum tree may be viewed as a symbol rather than merely a natural object. Critically examine what the tree could represent in the context of life, relationships, or society.</li><li>34. If the poem had been narrated from the perspective of the goldfinch instead of an observer, how might the message and emotional appeal have changed? Justify your answer with suitable arguments.</li><li>35. The narrator ultimately chooses to leave her family's belongings behind. Do you think this decision reflects strength or helplessness? Give reasons to support your opinion.</li><li>36. How does Marga Minco use ordinary household objects to explore the long-lasting psychological effects of war? Explain with examples from the story.</li><li>37. Mrs. Dorling's actions can be interpreted in different ways. Evaluate whether she should be judged as selfish, practical, or a victim of circumstances.</li><li>38. The story suggests that material possessions cannot restore lost relationships. To what extent do you agree</li></ol> |

39. Imagine the narrator had successfully recovered all her belongings. Would it have provided her with emotional closure? Critically justify your viewpoint.
40. Modern scientific methods have transformed historical research. Evaluate how technology has changed our understanding of King Tut while also raising ethical concerns about disturbing ancient remains.
41. The mystery surrounding King Tut's death has remained unsolved despite decades of investigation. What does this suggest about the limitations of science in reconstructing history?
42. Howard Carter's discovery made King Tut one of the most famous pharaohs. Analyse whether historical fame depends more on achievements during life or discoveries made after death.
43. If you were a member of the research team conducting King Tut's CT scan, what ethical principles would guide your decisions? Explain how you would balance scientific curiosity with respect for cultural heritage.
44. You are the Head Boy/Head Girl of your school. You have been invited to deliver a speech during the morning assembly on the topic "**Technology: A Boon or a Bane for Students?**" Write the speech in **120–150 words**.
45. Your school is organizing a Wellness Week. As the Cultural Secretary, you have been asked to deliver a speech on "**The Importance of Mental Well-being in Student Life.**" Write the speech in **120–150 words** highlighting the need for emotional health, stress management, and maintaining a healthy balance between studies and personal life.

## LEVEL 1

- PAGE: 2 of 1



- a) Purchased machinery from Rajesh on credit ₹80,000.  
 b) Paid installation charges on machinery ₹5,000 in cash.  
 c) Received interest by cheque ₹2,500.  
 d) Cash withdrawn by the proprietor for personal use ₹6,000.
13. Study the following transactions and answer the questions.  
 a) Goods worth ₹10,000 were sold to Mohan on credit.  
 b) Mohan paid ₹9,800 in full settlement.  
 For each transaction:
- Identify the accounts involved.
  - State which accounts are debited and credited.
  - Mention the rule of debit and credit applied.
14. Rectify the following incorrect journal entries by applying the correct rules of debit and credit.

| Incorrect Entry                                                      |
|----------------------------------------------------------------------|
| Cash A/c Dr. To Salary A/c ₹15,000 (Salary received)                 |
| Rent A/c Cr. To Cash A/c ₹5,000 (Rent paid)                          |
| Furniture A/c Cr. To Cash A/c ₹20,000 (Furniture purchased for cash) |
| Cash A/c Cr. To Sales A/c ₹18,000 (Cash sales)                       |

15. Journalise the following transactions.
- Purchased goods from Rohan on credit ₹80,000.
  - Sold goods to Aman on credit ₹65,000.
  - Paid ₹50,000 to Rohan by cheque.
  - Received ₹40,000 from Aman by cheque.
  - Allowed discount to Aman ₹2,000.
  - Received discount from Rohan ₹1,500.
16. Pass journal entries for the following transactions.
- Purchased machinery from Rajesh on credit ₹1,50,000.
  - Paid installation charges on machinery ₹8,000 in cash.
  - Purchased office furniture for cash ₹35,000.
  - Paid wages for installation of machinery ₹4,000.
  - Received commission ₹7,000 in cash.
  - Cash withdrawn by the proprietor for personal use ₹20,000.

### LEVEL 3

- Goods worth ₹20,000 withdrawn by the proprietor for personal use will result in  
 A. Drawings A/c Dr., Purchases A/c Cr.                      B. Drawings A/c Dr., Purchases A/c Cr.  
 C. Drawings A/c Dr., Sales A/c Cr.                              D. Cash A/c Cr., Drawings A/c Dr.
- Which transaction requires application of both Personal and Nominal Account rules?  
 A. Cash sales                                                              B. Salary paid to Mohan  
 C. Furniture purchased for cash                                      D. Cash withdrawn for office use
- An amount due from a customer becomes bad. Which account is debited?  
 A. Customer's Account                                              B. Bad Debts Account  
 C. Cash Account                                                              D. Sales Account
- Which journal entry is correct for receiving cash from Raju after allowing him discount?  
 A. Cash Dr., Discount Allowed Dr., Raju Cr.                      B. Raju Dr., Cash Cr., Discount Cr.  
 C. Cash Dr., Sales Cr.                                                      D. Cash Dr., Discount Received Cr.
- Rent outstanding at year-end is recorded as  
 A. Outstanding Rent Dr., Rent Cr.                                      B. Rent Dr., Outstanding Rent Cr.  
 C. Cash Dr., Rent Cr.                                                      D. Rent Cr., Cash Dr.
- Which account is credited when depreciation is charged on machinery?  
 A. Machinery Account                                                      B. Depreciation Account  
 C. Cash Account                                                              D. Capital Account
- Which transaction requires the application of Personal, Real and Nominal account rules together?  
 A. Paid salary  
 B. Purchased machinery by cheque  
 C. Purchased furniture from Ramesh on credit and paid installation charges by cash  
 D. Received interest
- The account that follows the rule "Credit all incomes and gains" is  
 A. Cash Account                                                              B. Commission Received Account  
 C. Machinery Account                                                      D. Debtor Account
- Which of the following journal entries is correct for cash stolen from office?  
 A. Cash A/c Dr., Loss by Theft A/c Cr.                              B. Loss by Theft A/c Dr., Cash A/c Cr.  
 C. Capital A/c Dr., Cash A/c Cr.                                      D. Purchases A/c Dr., Cash A/c Cr.

10. A business purchased machinery worth ₹1,00,000 from Ravi and paid ₹5,000 as transportation in cash. Which accounts are debited?

- A. Machinery A/c only  
 B. Machinery A/c and Cash A/c  
 C. Machinery A/c (₹1,05,000)  
 D. Machinery A/c (₹1,05,000) and Ravi A/c

11. Analyse the following transactions carefully and record them on the correct **Debit (Dr.)** or **Credit (Cr.)** side of the respective **T-Shape Ledger Accounts**.

Prepare the following T-Accounts:

| Transaction                                       | Amount (₹) |
|---------------------------------------------------|------------|
| Machinery purchased from Ravi on credit           | 80,000     |
| Installation charges paid in cash for machinery   | 5,000      |
| Cash withdrawn by the proprietor for personal use | 10,000     |
| Interest received in cash                         | 4,000      |

1. Machinery Account
2. Ravi's Account
3. Cash Account
4. Drawings Account
5. Interest Account

12. A business recorded the following transactions during a day:

- Purchased furniture from Rakesh on credit ₹40,000.
- Paid transportation charges on furniture ₹2,000 in cash.
- Paid ₹15,000 to Rakesh by cheque.

For each transaction:

- Identify the accounts involved.
- State the account to be debited and credited.
- Mention the rule of debit and credit applied.

13. Read the following case carefully.

Neha started a business by investing ₹5,00,000 in cash. She purchased machinery for ₹1,20,000 by cheque and paid wages of ₹8,000 for its installation. Later, she received commission of ₹6,000 in cash.

Prepare the necessary journal entries and justify the debit and credit of each account by referring to the applicable accounting rule.

14. A student passed the following journal entries.

1. Purchases A/c Dr. To Cash A/c (Goods purchased for office use)
2. Salary A/c Dr. To Bank A/c (Salary paid)
3. Cash A/c Dr. To Sales A/c (Cash sales)
4. Drawings A/c Dr. To Cash A/c (Cash withdrawn for personal use)

Identify:

- Which entries are correct and which are incorrect.
- Rewrite the incorrect entries correctly.
- Explain the accounting rule violated in each incorrect entry.

15. Pass journal entries for the following transactions.

1. Started business with cash ₹8,00,000.
2. Deposited ₹3,00,000 into the bank.
3. Purchased machinery worth ₹2,00,000 by cheque.
4. Paid carriage on machinery ₹6,000 in cash.
5. Purchased goods on credit from Mohan ₹1,20,000.
6. Paid ₹70,000 to Mohan by cheque after receiving a discount of ₹2,000.

16. Journalise the following transactions.

1. Purchased furniture from Ravi on credit ₹60,000.
2. Paid transportation charges on furniture ₹3,000 in cash.
3. Sold old furniture (Book Value ₹10,000) for cash ₹8,000.
4. Received commission directly into the bank ₹12,000.
5. Paid insurance premium by cheque ₹6,000.
6. The proprietor withdrew cash ₹25,000 for personal use.

### 3. BUSINESS STUDIES

#### Easy Level

1. Define a Government Company as per the Companies Act.
2. Give two examples of Departmental Undertakings in India.
3. What is meant by a Joint Venture?
4. Name the three distinct forms of public sector enterprises.
5. What do you understand by the term "business services"?
6. State two basic differences between goods and services.
7. List any two types of bank accounts that a customer can open in a commercial bank.

8. What is the primary function of a commercial bank?
9. Give a simple definition of e-banking.
10. State any two benefits of e-banking to the customer.

#### **Medium Level**

11. Explain any three features of a Statutory Corporation.
12. Why is a Departmental Undertaking considered the most suitable form of enterprise for national security purposes?
13. Discuss any three benefits a domestic company might gain by entering into a Joint Venture with a foreign company.
14. Distinguish between a Statutory Corporation and a Government Company on the basis of formation and autonomy.
15. Explain the concept of Public Private Partnership (PPP) and mention one of its key features.
16. Describe the nature of services specifically focusing on "intangibility" and "inconsistency."
17. How do social services differ from personal services? Provide one example of each.
18. Explain any two agency functions performed by commercial banks for their clients.
19. Differentiate between a recurring deposit account and a fixed deposit account.
20. From a bank's perspective, how does offering e-banking provide a competitive advantage?

#### **Hard Level**

21. "Despite their rigid structure and lack of autonomy, Departmental Undertakings remain crucial for certain sectors of the economy." Critically evaluate this statement.
22. A foreign electronics manufacturer wants to enter the Indian market to sell its products but lacks knowledge of local consumer behavior and distribution networks. Suggest the most suitable form of enterprise for them to adopt and justify your choice.
23. Analyze the reasons behind the shifting role of the public sector in the Indian economy since the implementation of the 1991 economic reforms.
24. "Global enterprises (MNCs) bring immense technological and financial resources, but they also pose a threat to domestic industries." Discuss this statement by evaluating both the positive and negative impacts of MNCs on a host country.
25. Compare the level of public accountability and operational flexibility across Departmental Undertakings, Statutory Corporations, and Government Companies. Which one balances both effectively?
26. Services are characterized by "inseparability" (produced and consumed simultaneously). Analyze how this specific characteristic challenges businesses in maintaining consistent service quality, providing a real-world example.
27. A newly established medium-scale manufacturing firm needs funds for its day-to-day operations and wants a banking facility that allows them to overdraw their account up to a certain limit. Which type of bank account and lending facility should they apply for, and why?
28. Examine how the introduction of e-banking has transformed the traditional relationship between a banker and a customer, highlighting the shift from branch banking to digital self-service.
29. NEFT, RTGS, and ATMs are essential tools in modern banking. Evaluate the specific utility and fundamental differences between NEFT and RTGS for a corporate client making high-value, time-sensitive transactions.
30. 'FinTech Innovations' wants to launch a completely branchless digital banking platform. Before proceeding, the management wants a risk report. Elaborate on the primary challenges and security concerns regarding e-banking that they must address to ensure customer trust and compliance.

### **4. ECONOMICS**

#### **Easy Level**

1. Define Production Function.
2. Differentiate between Fixed Factors and Variable Factors.
3. What is Total Product (TP)?
4. Define Marginal Product (MP).
5. What is Average Product (AP)?
6. State the relationship between TP and MP.
7. State the relationship between AP and MP.
8. Explain the Law of Variable Proportions.
9. Name and explain the three stages of the Law of Variable Proportions.
10. In which stage does a rational producer operate? Give one reason.

#### **Medium Level**

11. Calculate AP if Total Product is 120 units and Labour employed is 6 units.
12. Calculate MP if TP increases from 80 units to 95 units when labour increases from 4 to 5 units.
13. Calculate AP if TP = 180 units and Labour = 9 units.
14. What happens to TP when MP becomes zero?
15. Why is the Law of Variable Proportions applicable only in the short run?

16. Define Price Elasticity of Demand.
17. What is meant by elastic demand?
18. What is meant by inelastic demand?
19. Explain the Percentage Method of measuring price elasticity of demand.
20. Explain the Total Expenditure Method of measuring price elasticity of demand.

#### Hard Level

21. The price of a commodity falls from ₹20 to ₹16 and quantity demanded increases from 50 units to 60 units. Calculate the price elasticity of demand using the Percentage Method.
22. Price increases from ₹40 to ₹50 and quantity demanded falls from 100 units to 80 units. Calculate the elasticity of demand.
23. The price of a good decreases from ₹25 to ₹20 while quantity demanded rises from 40 units to 50 units. Find the elasticity of demand.
24. Price falls from ₹10 to ₹8 and quantity demanded increases from 20 units to 30 units. Determine the elasticity of demand using the Total Expenditure Method.
25. Price rises from ₹20 to ₹25 while quantity demanded falls from 50 units to 40 units. Determine the elasticity of demand using the Total Expenditure Method.
26. Price decreases from ₹30 to ₹20 and quantity demanded increases from 10 units to 20 units. Find the elasticity of demand using the Total Expenditure Method.
27. Distinguish between elastic demand and inelastic demand.
28. State any two factors affecting price elasticity of demand.
29. Why is the demand for salt generally inelastic?
30. Why is the demand for luxury goods generally more elastic than the demand for necessities?

### 5. INFORMATICS PRACTICES

- Q1. Identify Valid Identifiers** Analyze the list of variables below. List which ones are **valid** in Python. For any variable that is **invalid**, explicitly state the naming rule it violates:
  - student\_name
  - 3rd\_period
  - while
  - total\$Amount
- Q2. Expression Evaluation** Evaluate the final math result and determine the resulting **data type** (e.g., int, float) for the following Python expressions:
  - (i)  $20 // 6 + 20 \% 6$
  - (ii)  $10 / 4$
- Q3. Loop Execution Tracer** Carefully trace the execution of the loop below. State **how many times** the loop will execute, and write down its exact output:
 

```
count = 10
while count > 2:
    print(count, end=" ")
    count -= 3
```
- Q4. Range Function Sequences** Convert the following range() functions into their equivalent structural sequence of numbers (e.g., written out like [1, 2, 3]):
  - (i) range(5, 20, 5)
  - (ii) range(4, -1, -1)
- Q5. Short Code Debugging** The script below is meant to accept an integer input and check if it is positive. Find and correct the **three errors** (syntax or logical) preventing it from working correctly:
 

```
num = input("Enter a number")
if num > 0
print("Number is positive")
```
- Q6. Number Categorizer** Write a Python program that asks the user to input an integer.
  - If the number is greater than 0, print "Positive".
  - If the number is less than 0, print "Negative".
  - If the number is exactly 0, print "Zero".
- Q7. Multiplication Table Generator** Write a Python program using a for loop that takes an integer input N from the user and prints its multiplication table up to 10.
- Q8. Case-Based Loop Analysis** A temperature monitoring system inside a server room records data continuously. The system uses a loop to track live temperatures. If the temperature hits **45°C** or above, it must immediately sound an alarm and stop monitoring.

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 6. | <b>PHYSICAL EDUCATION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|    | <p><b>Easy Level (7 Questions)</b></p> <ol style="list-style-type: none"> <li>What are the three core values of the Olympic Movement?</li> <li>Who is known as the founder of the modern Olympic Games?</li> <li>What is the Olympic motto?</li> <li>What does CWSN stand for?</li> <li>Define inclusive education in physical education.</li> <li>Name any two benefits of sports for CWSN.</li> <li>What is the importance of fair play in sports?</li> </ol> <p><b>Medium Level (7 Questions)</b></p> <ol style="list-style-type: none"> <li>Explain the importance of Olympic values in daily life.</li> <li>Differentiate between integration and inclusion in physical education.</li> <li>Describe the role of physical education teachers in promoting inclusive sports.</li> <li>Explain any four benefits of physical activities for children with special needs.</li> <li>What are the barriers faced by CWSN in participating in sports?</li> <li>Discuss the significance of the Olympic symbol and Olympic flag.</li> <li>Suggest four measures to encourage participation of CWSN in sports.</li> </ol> <p><b>Hard Level (6 Questions)</b></p> <ol style="list-style-type: none"> <li>Explain the philosophy of Olympism and its contribution to world peace and human development.</li> <li>Discuss the educational values of the Olympic Movement with suitable examples.</li> <li>Explain the different types of disabilities covered under CWSN and the adaptations required in physical education.</li> <li>Analyze the role of inclusive sports in the social, emotional, and physical development of CWSN.</li> <li>Compare the objectives of Olympic Value Education with the objectives of inclusive physical education.</li> <li>Design a one-day inclusive sports event for CWSN, mentioning activities, safety measures, and expected learning outcomes.</li> </ol>                                                                                                                                                                                                |
| 7. | <b>APPLIED MATHS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|    | <ol style="list-style-type: none"> <li>A person crosses a 600 m long street in 5 minutes. What is his speed in km per hour?</li> <li>An aeroplane covers a certain distance at a speed of 240 kmph in 5 hours. To cover the same distance in <math>1\frac{2}{3}</math> hours, it must travel at a speed of:</li> <li>A train can travel 50% faster than a car. Both start from point A at the same time and reach point B 75 kms away from A at the same time. On the way, however, the train lost about 12.5 minutes while stopping at the stations. The speed of the car is.</li> <li>If a person walks at 14 km/hr instead of 10 km/hr, he would have walked 20 km more. The actual distance travelled by him is:</li> <li>A can do a work in 15 days and B in 20 days. If they work on it together for 4 days, then the fraction of the work that is left is :</li> <li>A can lay railway track between two given stations in 16 days and B can do the same job in 12 days. With help of C, they did the job in 4 days only. Then, C alone can do the job in:</li> <li>A is thrice as good as workman as B and therefore is able to finish a job in 60 days less than B. Working together, they can do it in:</li> <li>A alone can do a piece of work in 6 days and B alone in 8 days. A and B undertook to do it for Rs. 3200. With the help of C, they completed the work in 3 days. How much is to be paid to C?</li> <li>There are 8 houses in a line and in each house only one boy lives with the conditions as given below: <ol style="list-style-type: none"> <li>Jack is not the neighbour Siman.</li> <li>Harry is just next to the left of Larry.</li> <li>There is at least one to the left of Larry.</li> <li>Paul lives in one of the two houses in the middle.</li> <li>Mike lives in between Paul and Larry.</li> </ol> </li> <li>If at least one lives to the right of Robert and Harry is not between Taud and Larry, then which one of the following statement is not correct ?<br/>Robert is not at the left end.<br/>Robert is in between Simon and Taud.</li> </ol> |

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <p>Taud is in between Paul and Jack.<br/>There are three persons to the right of Paul.</p> <p>11. Write the following sets in the roster form.<br/>(i) <math>A = \{x \mid x \text{ is a positive integer less than } 10 \text{ and } 2^x - 1 \text{ is an odd number}\}</math><br/>(ii) <math>C = \{x : x^2 + 7x - 8 = 0, x \in \mathbb{R}\}</math></p> <p>12. Write the following sets in roster form:<br/>(i) <math>A = \{x : x \text{ is an integer and } -3 \leq x &lt; 7\}</math><br/>(ii) <math>B = \{x : x \text{ is a natural number less than } 6\}</math></p> <p>13. Let <math>U = \{1, 2, 3, 4, 5, 6\}</math>, <math>A = \{2, 3\}</math> and <math>B = \{3, 4, 5\}</math>.<br/>Find <math>A'</math>, <math>B'</math>, <math>A' \cap B'</math>, <math>A \cup B</math> and hence show that <math>(A \cup B)' = A' \cap B'</math>.</p> <p>14. Let <math>U = \{1, 2, 3, 4, 5, 6, 7\}</math>, <math>A = \{2, 4, 6\}</math>, <math>B = \{3, 5\}</math> and <math>C = \{1, 2, 4, 7\}</math>, find<br/>(i) <math>A' \cup (B \cap C')</math><br/>(ii) <math>(B - A) \cup (A - C)</math></p> <p>15. In a class of 60 students, 23 play hockey, 15 play basketball, 20 play cricket and 7 play hockey and basketball, 5 play cricket and basketball, 4 play hockey and cricket, 15 do not play any of the three games. Find<br/>(i) How many play hockey, basketball and cricket<br/>(ii) How many play hockey but not cricket<br/>(iii) How many play hockey and cricket but not basketball</p> <p>16. In a survey of 600 students in a school, 150 students were found to be drinking Tea and 225 drinking Coffee, 100 were drinking both Tea and Coffee. Find how many students were drinking neither Tea nor Coffee.</p> <p>17. Out of 100 students; 15 passed in English, 12 passed in Mathematics, 8 in Science, 6 in English and Mathematics, 7 in Mathematics and Science; 4 in English and Science; 4 in all the three. Find how many passed<br/>(i) in English and Mathematics but not in Science<br/>(ii) in Mathematics and Science but not in English<br/>(iii) in Mathematics only<br/>(iv) in more than one subject only</p> <p>18. If <math>X = \{a, b, c, d\}</math> and <math>Y = \{f, b, d, g\}</math>, find: (i) <math>X - Y</math> (ii) <math>Y - X</math> (iii) <math>X \cap Y</math></p> <p>19. Two finite sets have <math>m</math> and <math>n</math> elements, respectively. The total number of subsets of first set is 56 more than the total number of subsets of the second set. The values of <math>m</math> and <math>n</math> respectively are.</p> <p>20. Let <math>A = \{1, 2, 3\}</math>, <math>B = \{4\}</math> and <math>C = \{5\}</math> (i) Verify that: <math>A \times (B - C) = (A \times B) - (A \times C)</math><br/>(ii) Find <math>(A \times B) \cap (A \times C)</math>.</p> <p>21. Find <math>x</math> and <math>y</math> if: (i) <math>(4x + 3, y) = (3x + 5, -2)</math> (ii) <math>(x - y, x + y) = (6, 10)</math></p> |
| 8. | <b>MARKETING</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|    | <p><b>LEVEL 1:-</b></p> <p>Q1. Define Marketing Environment. Why is it important for a business?</p> <p>Q2. Differentiate between Internal Forces and External Forces of the marketing environment.</p> <p>Q3. Explain any two components of the Micro Environment.</p> <p>Q4. What is Environmental Scanning? State any two objectives of environmental scanning.</p> <p>Q5. Define PEST Analysis and name its four components.</p> <p><b>LEVEL 2:-</b></p> <p>Q1. Explain any three internal (controllable) factors affecting the marketing environment.</p> <p>Q2. Describe any three macro-environmental factors that influence business decisions.</p> <p>Q3. Explain any three importance/advantages of Environmental Scanning.</p> <p>Q4. Discuss the role of Customers, Suppliers, and Competitors in the Micro Environment.</p> <p>Q5. Explain the significance of the Technological Environment in modern business with any three points.</p> <p><b>LEVEL 3:-</b></p> <p>Q1. Explain the meaning of Marketing Environment. Differentiate between Micro Environment and Macro Environment with suitable examples.</p> <p>Q2. Describe the concept of Environmental Scanning. Explain any four benefits of environmental scanning for an organisation.</p> <p>Q3. Explain PEST Analysis. Discuss the Political, Economic, Social, and Technological factors affecting business.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

**Q4. (Case Study)**

Green Earth Pvt. Ltd. manufactures eco-friendly household products. Recently, the government introduced strict environmental regulations, customers started demanding biodegradable packaging, and a competitor launched an AI-based ordering system. The company analysed these changes before introducing a new product.

Answer the following:

- a) Identify the business activity being carried out by the company.
- b) Name any two macro-environmental factors affecting the business.
- c) Explain any two benefits of analysing the marketing environment in this situation.

**Q5.** Explain the importance of studying the Marketing Environment. Discuss any four reasons why businesses should continuously monitor environmental changes.