Class- XI Commerce

ENGLISH

1   **Video Assignment (3 minutes) Record a video of 3 mins on the given topic covering the points suggested below.**
Topic:*The Role of Youth in Protecting Nature*
Points to cover:
i)   Why should youth care about nature ?
ii) What activities harm the environment ?
iii) Steps youth can take to protect the environment.
iv) Your pledge as a student.

2   **Comprehension & Grammar**
Passage:
"Meera's painting was selected for a national competition. It portrayed themes of climate change and environmental loss. Her teacher praised her for the powerful message and encouraged her to add a short write-up explaining her artistic choices. Meera was initially hesitant, as she wasn't confident in her writing, but eventually she wrote a moving note that made her entry even stronger."
i)   Why did Meera's teacher suggest adding a write-up to the painting ?
ii) What does this incident reveal about Meera's growth ?
iii) Find suitable words for:
   a) represented or shown through art
   b) unsure or unwilling
iv) **Sentence Transformation:**
   a) The explanation was very vague. We couldn't understand it.   (too-to)
   b) You could submit the painting today. You could submit ttomorrow.   (either-or)
   c) I will sign the consent form.My parents agree.   (if)
   d) The painting received appreciation. It conveyed a strong message.   (so)

3   **SpeechWriting**
Write a speech in 200 words covering the points suggested below.
Topic:*"Why Reading Books Is Better Than Watching Screens"*
a)   What do books offer that screens can't ?
b)   How does reading improve your life ?
c)   Share your favourite book and its impact.

4   **Creative Writing**
i) Topic: *If I Could Bring a Fictional Character to Life*
   Describe:
   a)   Which character would you choose, and why ?
   b)   How would they react to the real world ?
   c)   What would you do together ?
   d)   What might you learn from them or teach them ?
ii) Write a paragraph on the recent attack on Pahalgam and express your views on terrorism. (120-140 words)

5   **Literature & Poster**
a)   Read:
   Wings of Fire– A .P .J. Abdul Kalam
   Malgudi Days– R. K. Narayan
   Highlight 2 major life events of each character and what they taught you.
b)   Create a poster on "Road Safety: Follow Rules, Save Lives" with a strong message, visual elements, and a catchy slogan.

6   **AIL**
Collect images of local legends (ANY FIVE) of Uttarakhand and paste them in a scrapbook**.** Write a short note highlighting their background, qualities, and cultural significance.

ACCOUNTANCY

1   **Research Based Question**
"Identify a real-life incident from India or abroad where a company's misleading accounting information caused significant financial trouble. Describe the incident, what accounting errors were made, and what outcomes followed.

2   **Case Based Question**
Rohan started a business on 1st April 2024 with a capital of Rs 2,00,000. He took a bank loan of Rs 1,00,000 on 1st May 2024. During the year, he earned a profit of Rs 50,000. He withdrew Rs 20,000 for personal use.

a) Calculate the closing capital at the end of the year.
b) What is the accounting equation on 31st March 2025 ?
c) If Rohan purchases goods worth Rs 30,000 on credit, what effect will it have on the accounting equation?
d) Which accounting concepts are followed in this case ?

3   **Analytical &Critical Thinking Question**
    Instructions: Answer in 50-80 words each.
    i)   If accounting information is not reliable, what problems can it cause for a business ? Discuss any two possible issues.
    ii) Why is it necessary for a business to maintain proper books of accounts ? State your views.
    iii) A business incurs a loss but still donates to a charity. How should it be recorded in the books ? Explain the accounting principle involved.
    iv) If a business does not record credit transactions, what would be the consequences on its final accounts and financial position ? Discuss.

4   **Understanding based questions**
    Define: Transaction, Assets, Liabilities, Dual aspect concept, Matching concept, Voucher
    Assertion-Reason Questions
    i)   **Assertion(A):** The Business Entity Concept treats the business and the owner as the same entity.
         Reason(R): According to this concept, business transactions are recorded separately from the owner's personal transactions.
    ii) **Assertion(A):** Accounting ensures proper record of business transactions in a systematic manner.
         Reason(R): Accounting information is not useful for decision-making purposes.
         Options:
         a)   Both Assertion and Reason are true, and Reason is the correct explanation of Assertion.
         b)   Both Assertion and Reason are true, but Reason is not the correct explanation of Assertion.
         c)   Assertion is true, but Reason is false.
         d)   Both Assertion and Reason are false.

BUSINESS STUDIES

1   **Applicationquestions**
    Kiran is a sole proprietor. Over the past decade, her business has grown from operating a neighbourhood corner shop selling accessories such as artificial jewellery, bag, Hairclips and nail art to a retail chain, with three branches in the city. Although she looks after the varied functions in all the branches. She is wondering weather she should form a company to better manage the business. She also has plan to open branches country wide.
    a)   Explain to benefits of remaining a sole proprietor.
    b)   Explain two benefits of converting to a joint stock company business as a company ?
    c)   What role will her decision to go nationwide play in her choice of form of the organisation ?
    d)   What legal formalities will she have to undergo to operate business as a company ?
    Value based questions–
2   "Karta is the most active member in case of Hindu undivided family business" Comment.
3   "All members have equal ownership right over the property of an ancestor and they are known as co-parceners" identify the business on the basis of above line and define features of this business organisation.
4   "Profit plays an important role in Business". Give any four reasons to justify the statement.
5   Identify the appropriate auxiliary to trade highlighted in the given statement.
    a)   Activities concerned with storing goods to facilitate supply to the market at the right time.
    b)   Activities concerned with providing finance for various business activities.
    c)   Activities undertaken for the movement of goods from one place to another.
    d)   Activities concerned with providing information about the product to the consumers.
6   Charu and Renuka are childhood friends, Charu is a consultant while Renuka is architect. They contributed equal amounts and purchase a building for Rs 2 crores. After a year they sold it for Rs 3 crores and share the profit equally.
    a)   Are they doing the business ? Give reason in support of your answer.
    b)   Define the business and state the features of business which is being highlighted in the given example.
    Assertion & Reason based questions
7   **Assertion (A):** The managing committee selected by members of the who operative society is generally not professionally equipped to handle the management functions effectively.
    Reason (R): Co-operative society is unable to employee experts because of their enability to pay them high salaries.
8   **Assertion (A):** Warehousing facilities the availability of goods as and when required.
    Reason(R): Warehousing removes this hindrance of rice place by providing facility of storage of goods.
9   **Define these terms**
    a)   employment   b)   profession   c)   business

ECONOMICS

Multiple Choice Questions

1. Which of the following is not a feature of micro economics ?
   a) Studies individual units
   b) Analyzes national income
   c) Concerned with consumer behaviour
   d) Concerned with individual prices

2. Marginal utility refers to
   a) Total satisfaction from all units
   b) Decrease in utility from consumption
   c) Additional satisfaction from one more unit
   d) Utility per unit cost

3. Which of the following is a normative statement ?
   a) Inflation is 5% this year
   b) India's GDP grew by 7%
   c) Government should reduce taxes
   d) Demand falls when price rises

4. A demand curve generally slopes downward because of:
   a) Increasing cost
   b) Diminishing marginal utility
   c) Scarcity
   d) Law of supply

5. Consumer equilibrium under one commodity case is achieved when:
   a) MU>Price   b) MU=Price   c) MU<Price   d) TUismaximum

Assertion and Reasoning Based Questions
Options
   a) Both A and R are true and R is the correct explanation.
   b) Both A and R are true but R is not the correct explanation
   c) A is true but R is false
   d) A is false but R is true

6. **Assertion (A):** Micro economics deals with decision making of individual units.
   Reason (R):   It examines national economic issues.

7. **Assertion (A):** Total utility increases even if marginal utility is falling.
   Reason(R):   Marginal utility contributes tototal utility until it becomes zero.

8. **Assertion(A):** Demand is inversely related to price.
   Reason(R):   As price rises, quantity demanded decreases due to substitution and income effects.

9. **Assertion(A):** Normative economics is based on value judgments.
   Reason(R):   It describes "what is" rather than "what ought to be".

10. **Assertion(A):** A point on the demand curve shows the quantity demanded at a particular price.
    Reason(R):   Demand curve is a graphical representation of demand schedule.

Problem Solving Questions.

11. A consumer buys 5 units of a good at Rs 10 each. The marginal utility of each unit is 14, 12, 10, 8 and 6 units respectively. Is the consumer in equilibrium ? Give reasons.

12. Calculate total utility from the following marginal utility data: 8, 6, 4, 2, 0. What happens to total utility after marginal utility becomes zero?

Case Study with Analytical Questions

13. Rohit receives a scholarship of Rs 1,000 per month and decides how to spend it. He buys a data plan, snacks and books. Initially, he spends more on snacks but gradually shifts to buying books as exams approach.Prices of snacks and books remain the same.
    a) What economic problem is Rohit facing ?
    b) How does his behaviour reflect consumer equilibrium ?
    c) Which concept of utility is evident in his changing consumption pattern?
    d) How does this case support the law of demand ?

14. **Real-Life Based Application Questions.**
    a) You receive Rs 500 as pocket money. How will you decide to spend it to maximize satisfaction ? Relate your answer to the concept of utility.
    b) During a sale, a store reduces prices of chocolates.You buy more than usual. Explain this behaviour using the law of demand.
    c) Your family's decision to spend more on fruits due to health reasons is an example of which type of demand ?
    d) Suppose youseeariseindemandforelectricscooters. How can this be explained through micro economics ?
    e) If price of your favourite streaming app increases, would you still subscribe ? Why or why not ? Relate it to the concept of demand elasticity.

APPLIED MATHEMATICS

1. Convert following binary numbers into decimal.
   i) 1001001   ii) 11111   iii) 1000011110

2. Convert following decimal into binary numbers.
   i) 845   ii) 1018   iii) 56

3. Calculate following by using log tables
   i) log 0.0000009367   ii) log 589.3

4   Population of a country grows at the rate of 6.7% per yearly. How long does it take for population to triple. (Use log and antilog tables)

5   Define subset, equal set, equivalent set and power set and explain each of them by giving appropriate examples in set builder form.

6   **Case study question**

A clock is a device used to measure, keep and indicate time. The clock is one of the oldest human inventions, meeting the need to measure intervals of time shorter then the natural units- the day, the lunar month and the year.

Based on the above information, answer the following questions

i)   What is the angle through which the minute hand turns in one minutes ?
     a) 6°   b) 12°   c) 10°   d) 15°

ii)   By how much does the tip of minute hand move in 1 hour ?
     a) 22 cm²   b) 22 cm   c) 38.5 cm²   d) 1.1 cm

iii)   By how much does the tip of the hour hand move in 1 hour ?
     a) 3.6 cm   b) 2.8 cm   c) 2.2 cm   d) 1.1 cm

Assertion and Reason

Select correct option for following questions.

a)   A and R both are correct and R is correct explanation of A.
b)   A and R both correct but R is not a correct explanation of A.
c)   A is correct, R is wrong.
d)   A is wrong, R is correct.

7   **Assertion (A):** Roster form of the set A={x:x Belongs I,x² less than 49} is
       A={−6, −5, −4, −3, −2, −1, 0, 1, 2, 3, 4, 5, 6}
   Reason (R): Squares of integers $0, \pm1, \pm2, \pm3, \pm4, \pm5$ and ±6 are less than 49.

8   **Assertion (A):** In 400 years, there are 0 odd days.
   Reason (R): There are 97 leap years 303 non-leap years in 400 years.

9   **Activity-**

Using concept of calendar make a calander of any year and then make calendar of nearest year which is same as first one. Use A3 colour paper.

PHYSICAL EDUCATION

1   Investigate the effects of regular physical activity on cardiovascular health. Conduct a review of existing research on how regular physical activity influences heart rate, blood pressure, and overall cardiovascular health in adolescents.

2   **Case Study based question.**

Development committee of an area wanted to develop values in the people. The committee wanted to promote friendship in the locality and respect for each other so that a congenial environment would be established between families but the committee was not sure for now it can do these things. Saket a students of class XI whose father is the chairman of the development committee. Suggested him that three values of Olympics can be adopted for this purpose these three values are excellence, respect and friendship. Further, Saket explained the role of these values in Olympics.

a) What are the Olympics values ?
b) How sports environment provided by the Olympic that help people to respect each other ?
c) How are the Olympics games are helpful in establishing value in people ?

3   Analyze the training regimen of a professional athlete. Choose a professional athlete from any sport and analyze their training program, including the type of exercises, intensity and frequency. Discuss how their training contributes to their performance and success.

4   Develop a fitness plan for a person with a specific health condition. Select a health condition (e.g., diabetes, obesity, asthma) and create a tailored fitness plan that includes aerobic, strength and flexibility exercises. Justify your choice of exercises and training methods based on the individual's needs.

5   Design a practice session for improving a specific sports skill. Choose a specific sports (e.g. basketball, soccer, tennis) and design a practice session focused on improving a particular skill (e.g. shooting, passing, serving) include drills, exercises and coaching points to enhance skill development.

6   Create a warm-up and cool-down routine for a sports team. Develop a comprehensive warm-up and cool-down routine for a school sports team, including dynamic stretches, mobility exercises and injury prevention strategies. Explain the importance of each component and how it prepares the athletes for training or competition.

7   Draw a football court.

HINDI

1   स्थिति आधारित प्रश्न

पंडित अलोपीदीन समाज में सम्मानित, प्रतिष्ठित और धनी व्यक्ति थे। वंशीधर, जैसे नए दरोगा को उन्होंने तुच्छ समझा और रिश्वत देकर अपने पक्ष में करने की कोशिश की परंतु जब उनकी ईमानदारी के आगे सब असफल हो गया तो बाद में उन्होंने खुद उसे ऊँचे पद पर नियुक्त किया।

क)   पंडित अलोपीदीन के चरित्र में कौन–कौन से विरोधाभास दिखाई देते हैं ?

ख) इस स्थिति में पंडित अलोपोदीन का व्यवहार आपको कैसा प्रतीत होता है– घमंडपूर्ण, यथार्थवादी या परिवर्तित ? उत्तर को स्पष्ट करें।

ग) इस कहानी के माध्यम से प्रेमचंद किस प्रकार सामाजिक न्याय और नैतिकता का चित्रण करते हैं ?

2 मुद्रण माध्यम की कौन–सी विशेषता इलेक्ट्रॉनिक माध्यम में नहीं है ?

3 समाचार पत्रिकाओं के महत्व को बताइए।

4 जनसंचार माध्यमों के विकास पर संक्षिप्त टिप्पणी लिखिए।

5 आप एक विद्यार्थी हैं और आपको लगता है कि आज की युवा पीढ़ी में नैतिक मूल्यों की कमी होती जा रही है। आप समाज में नैतिकता की पुनर्स्थापना के लिए कौन–कौन से प्रयास कर सकते हैं।

6 निम्नलिखित रचनाओं/कहानियों का अध्ययन कर उनके प्रमुख पात्रों का चरित्र वर्णन कीजिए।
क) ईदगाह   ख) कफन   ग) गबन

7 स्वच्छ भारत अभियानः एक जरुरी पहल
विषय पर दिए गए बिंदुओं के अंतर्गत 2 मिनट का एक वीडियो तैयार करें।
• अभियान का उद्देश्य
• अभियान का प्रारंभ
• लाभ
• हमारा योगदान

COMPUTER

Section A: Python Fundamentals – Basic Programming (Beginner Level)
Instructions:
Use proper indentation and comments in your Python programs.
Submit handwritten code in your notebook or a typed copy as instructed by your teacher.
Assignments:
Python Basics

1 Write a Python program to display your name, class, and school name.
a) Create a program that takes two numbers from the user and prints their sum, difference, product, and division.
b) Write a program to swap two numbers using a temporary variable.
Section B: Boolean Algebra and Truth Tables
Instructions:
Prepare neat and labeled truth tables in your notebook.
Use logic gate symbols and represent each table clearly.
Assignments:

2 **Define the following terms:**
a) Boolean Variable
• Logic Gates (AND, OR, NOT)
• Truth Table
• Duality Principle
b) Draw the truth tables for:
• For the expressions below, draw the truth tables:
1. (A AND B) OR C
2. NOT (A OR B)
3. A XOR (B AND C)
• Create a circuit diagram using basic gates to represent the expression:
$(A + B)' . C$
• Create a mini project using Python like(any one)
A simple calculator
A number guessing game
Student report card generator using input data
Note: Be creative, and focus on clarity, accuracy, and presentation. Happy Coding!

PSYCHOLOGY

1 In terms of helping solve an important social problem such as crime, which branch of psychology do you think is most suitable. Identify the field and discuss the concern of psychologist working in this field ?

2 Visit the library or book store and review a book (friction/non friction) which has reference to application of psychology. Prepare a report giving a brief synopsis. (Minimum 200 pages book)

3 Three psychological processes involved in each situation.
a) you are playing football
b) you are watching TV
c) playing chess
d) your best friend has hurt you

4 **Differentiate between-**
a) Counsellor and Clinical psychologist
b) Interview and Questionnaire

5   Dr. Krishnan is going to observe and record childrens play behaviour at a nursery school without attempting to influence or control the behaviour. Which method of research is involved ? Explain the process and discuss its merits and demerits.

Assertion and Reason

6   **Assertion (A):** Case studies are detailed investigation of individual.
        Reason (R):   Case studies are useful in standardized test and questionnaire.

7   **Assertion (A):** A hypothesis is an educated guess.
        Reason (R):   A hypothesis must always be right in research.

8   **Case study**
        Rita is a psychologist who is studying the impact of sleep on memory. She selects two groups of students group A sleeps for 8 hours and group B sleeps for 4 hours. After a week both groups are aksed to memorize a list of 30 words and recall them. Rita observes that group A performs better.
        a) Identify the independent and dependent variable of study.
        b) Which medhod is being used for Rita to conduct the study ?
        c) Mention one ethical guideline that Rita must follow during the study.
        d) Which one possible extraneous variable that may affect the result ?