

PM SHRI KENDRIYA VIDYALAYA NO. 1, ROORKEE

AUTUMN BREAK HOLIDAY HOMEWORK Class: XII Subject: English Core (301)

Duration: 10 Days Session: 2026–27

Section A: Reading Skills

Section B: Creative Writing Skills

Q1. Draft a notice in about 50 words announcing an inter-house debate competition on *Artificial Intelligence: A Boon or a Bane?* Include all necessary details.

Q2. . Draft a formal invitation for the Annual Prize Distribution Ceremony of your school. b. Write an appropriate formal reply accepting the invitation.

Q3. a. Write a letter to the editor of a national daily expressing concern about the excessive use of social media among adolescents and suggesting measures to promote responsible digital habits.

b. Write a job application for the post of an assistant editor in a publishing house, including a suitable biodata.

Q4. Write an article on “**The Role of Young People in Building**

b. As the student reporter of your school, write a report on an inter-school literary festival organised by your Vidyalaya.

Q5. Short-Answer Questions

Answer any four in 40–50 words each.

a. How does the story *The Last Lesson* highlight the importance of language and cultural identity?

b. Why does Saheb lose his carefree spirit after taking up a job at the tea stall in *Lost Spring*?

c. How does Douglas overcome his fear of water in *Deep Water*?

d. What role does Gandhi's leadership play in the success of the Champaran movement in *Indigo*?

e. How does the poet use contrast to convey the theme of ageing and separation in *My Mother at Sixty-Six*?

f. What message does *Keeping Quiet* convey about introspection and universal peace?

Q6. Long-Answer Questions

Answer any two in 120–150 words each.

a. Compare the struggles and aspirations of Saheb and Mukesh in *Lost Spring*. How does the chapter expose the cycle of poverty and exploitation?

b. *The Rattrap* suggests that compassion can bring about a change in human behaviour. Discuss with reference to the peddler and Edla Willmansson.

c. How does *Aunt Jennifer's Tigers* present the contrast between the constraints imposed on women and their desire for freedom?

d. In *The Interview*, the views of Umberto Eco and the discussion of interviews raise questions about privacy, celebrity, and communication. Discuss.

Section D: Literature –Vistas

Q7. Short-Answer Questions

Answer any three in 40–50 words each.

a. Why does Charley believe that the third level offers an escape from the stress and insecurity of modern life?

b. How does the story *The Tiger King* satirise the arrogance and misuse of power by those in authority?

c. Why does Dr Sadao decide to help the wounded American soldier despite the risks involved?

d. How does Mr Lamb influence Derry's attitude towards himself and the world in *On the Face of It*?

e. What common experience connects Zitkala-Sa and Bama in *Memories of Childhood*?

Q8. Long-Answer Questions

Answer any two in 120–150 words each.

a. Compare the ways in which *The Enemy* and *Memories of Childhood* explore the conflict between social expectations and individual conscience or dignity.

b. How does *The Third Level* explore escapism and the human desire to find relief from the pressures of modern life?

c. *On the Face of It* shows that physical appearance does not define a person's worth. Discuss how Mr Lamb helps Derry develop a more positive outlook.

Section F: Board Examination Preparation

Q9. Sample Paper Practice

Solve **one complete CBSE Class XII English Core sample paper for 80 marks** under examination conditions.

PM SHRI KENDRIYA VIDYALAYA NO.1 ROORKEE
AUTUMN BREAK HOLIDAYS HOMEWORK | SESSION 2026-27
Subject: Computer Science (Code 083) | Class XII

Name		Class / Section	XII -
Roll No.		Date of Submission	

Chapters covered: (1) Python Revision Tour (2) Functions (3) Exception Handling (4) File Handling (Text, Binary, CSV) (5) Stack (6) Computer Networks

SECTION A: MULTIPLE CHOICE QUESTIONS [20 x 1 = 20 Marks]

Q1. Which of the following is an immutable data type in Python?

- c. list
- d. dictionary
- e. tuple
- f. set

Q2. What is the output of `print(2 + 3 * 2 ** 2)`?

- g. 50
- h. 14
- i. 20
- j. 64

Q3. If `D = {1: 'A', 2: 'B'}`, what will `print(D.get(3, 'NA'))` display?

- e. None
- f. NA
- g. KeyError

Q4. If `S = "Computer"`, what will `print(S[1:6:2])` display?

- f. omu
- g. opt
- h. mpt
- i. cmu

Q5. What does a Python function return if it has no return statement?

- d. 0
- e. None
- f. An empty string
- g. It raises an error

Q6. What will be the output of the following code?

```
def fun(x, y=5):  
    x = x + y  
    return x  
print(fun(2), fun(2, 3))
```

- (a) 7 5
- (b) 7 7
- (c) 5 5
- (d) Error

Q7. What will be the output of the following code?

```
x = 10
def f():
    global x
    x = x + 5
f()
print(x)
```

- (a) 10
- (b) 15
- (c) 5
- (d) Error

Q8. For the function definition `def show(a, b=1, c=2):`, which of the following calls is invalid?

- (a) `show(5)`
- (b) `show(5, c=3)`
- (c) `show(b=2)`
- (d) `show(1, 2, 3)`

Q9. Which block of a try-except structure is executed whether an exception occurs or not?

- (a) try
- (b) except
- (c) else
- (d) finally

Q10. What will be the output of the following code?

```
try:
    print(10 / 0)
except ZeroDivisionError:
    print("A")
except:
    print("B")
finally:
    print("C")
```

- (a) A
- (b) A and then C
- (c) B and then C
- (d) C

SECTION B: ASSERTION AND REASONING [5 x 1 = 5 Marks]

Directions: In the following questions, a statement of Assertion (A) is followed by a statement of Reason (R). Choose the correct option:

- (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.

Q1. Assertion (A): A Python function can return multiple values.

Reason (R): Python packs multiple returned values into a tuple.

Q2. Assertion (A): An except block without any exception name can catch only the `ZeroDivisionError`.

Reason (R): `ZeroDivisionError` is raised when a number is divided by zero.

Q3. Assertion (A): Binary files store data in the form of bytes (0s and 1s).

Reason (R): The pickle module is used to read and write text files.

Q4. Assertion (A): A stack follows the LIFO (Last In First Out) principle.

Reason (R): In a Python list used as a stack, the append() method is used to push an element.

Q5. Assertion (A): A router is used to connect two different networks.

Reason (R): A router forwards data packets using their IP addresses.

SECTION C: COMPETENCY BASED QUESTIONS [5 × 2 + 5 × 3 = 25 Marks]

Q1. The following code has some errors. Rewrite the correct code and underline each correction. [2]

```
Def calc(n):  
    s = 0  
    for i in range(1,  
        n+1) S += i  
    return s  
print(calc(5))
```

Q2. Write the output of the following code and give a one-line reason. [2]

```
def change(L):  
    L.append(10)  
    L = [1, 2]  
    print(L)  
  
A = [5]  
change(A)  
print(A)
```

Q3. Write the output of the following code when the user enters (i) 0 and (ii) 4. [2]

```
try:  
    n = int(input("Enter:  
    ")) print(100 // n)  
except ValueError:  
    print("Invalid")  
except ZeroDivisionError:  
    print("Zero")  
else:  
    print("Done")
```

Q4. Write the output of the following code. Also state which element is at the top of the stack at the end. [2]

```
S = ['A', 'B']  
S.append('C')  
S.append('D')  
S.pop()  
S.append('E')  
print(S, len(S))
```

Q5. Explain with an example how DNS helps a user who types `www.example.com` in the browser. Also name the device that connects a school LAN to the Internet. [2]

SECTION D: CASE BASED QUESTIONS [10 x 4 = 40 Marks]

Q1. Case Study 1: Campus Network

A Kendriya Vidyalaya wants to connect its Admin, Science and Library buildings (all within a 300 m campus) in a network and also provide Internet access to all computers.

- (a) Name the type of network (LAN, MAN or WAN) the school will set up. [1]
- (b) Name the most suitable cable for connecting the buildings placed 300 m apart. [1]
- (c) Name the device to be placed in each building to connect its computers, and the device used to connect the school network to the Internet. [2]

Q2. Case Study 2: Web and Email

Aarti opens the website `www.kvsangathan.nic.in` in her browser and then sends an email to her teacher.

- (a) In the given URL, identify the domain name and the top-level domain. [1]
- (b) Name the protocol used to send an email from the sender's mail client to the mail server. [1]
- (c) Differentiate between a web browser and a web server. [2]

Q3. Case Study 3: Parameters and Global Variable

Study the following program.

```
def calc(a, b=10):  
    global total  
    total = a + b  
    return a * b  
total = 0  
r = calc(5)  
print(r, total)  
r = calc(5, 2)  
print(r, total)
```

- (a) Write the output of the first print statement. [1]
- (b) Name the type of parameter `b` and state its use. [1]
- (c) Write the output of the second print statement. What would the second print display if the line `'global total'` is removed from the function? [2]

SECTION E: LONG ANSWER QUESTIONS [5 x 5 = 25 Marks]

Q1. A binary file `STUDENT.DAT` stores records as lists in the form `[rollno, name, marks]`. Write Python functions for the following: [2 + 3]

- (i) `AddStudent()` to accept the details of a student from the user and append the record to the file. [2]
- (ii) `TopScorers()` to display all the records of students who have scored more than 90 marks, and finally display their count. [3]

Q2. A CSV file `PRODUCT.CSV` stores the details of products (`Pid`, `Pname`, `Price`). Write Python functions for the following: [2 + 3]

- (i) `Write()` to create the file with the header row `Pid`, `Pname`, `Price` and then enter 3 product records accepted from the user. [2]
- (ii) `Search()` to accept a product id from the user and display its record. If the id is not found,

display "Not found". [3]

Q3. A dictionary D stores the names of students as keys and their marks as values, for example D = {"Asha": 82, "Ravi": 65, "Neha": 91, "Karan": 58, "Meena": 76}. Write the following functions: **[2 + 2 + 1]**

- (i) PushHigh(St, D) to push the names of students who have scored more than 75 marks into the stack St. [2]
- (ii) PopAll(St) to pop and display all the names from the stack, and display "Stack is empty" at the end. [2]
- (iii) Write the output produced when both functions are called for the dictionary given above, starting with an empty stack. [1]

Q4. Brightstar Institute has four blocks: Admin, Engg, Arts and Hostel. The distances between the blocks and the number of computers in each block are given below. **[1 x 5]**

From	To	Distance
Admin	Engg	55 m
Engg	Arts	130 m
Arts	Hostel	80 m
Admin	Hostel	90 m

Block	Computers
Admin	40
Engg	120
Arts	30
Hostel	50

- (i) Suggest the most suitable block to place the main server with a reason. [1]
- (ii) Suggest a cable layout among the four blocks that keeps the total cable length minimum. [1]
- (iii) Name the device to be placed in every block to connect its computers. [1]
- (iv) Is a repeater required in your layout? Justify (twisted pair cable works up to 100 m). [1]
- (v) The institute opens a branch in another city. Name the type of network that will connect the two campuses. [1]

Q5. Write a Python function Stats(L) that accepts a list of numbers and returns the smallest value, the largest value and the average as a tuple. If the list is empty, the function should handle the exception, display "List is empty" and return None. Then: **[3 + 1 + 1]**

- (i) Write the function Stats(L). [3]
- (ii) Call it with [12, 45, 7, 30], store the result in three variables and print them. State the output. [1]
- (iii) What is the data type of the value returned by Stats()? [1]

*** **Happy Autumn Break! Practise, Code and Enjoy** ***

PM SHRI KENDRIYA VIDYALAYA NO. -1 BEG & C ROORKEE

HOLIDAY HOMEWORK FOR AUTUMN BREAK

SESSION- 2026-27

SUBJECT-ACCOUNTANCY

CLASS-XII

Date	Name of chapter/unit
15/10/2026	UNIT 1. ACCOUNTING FOR PARTNERSHIP FIRMS FUNDAMENTALS MULTIPLE CHOICE QUESTIONS – 10 QUESTIONS ASSERITON AND REASON – 5 QUESTIONS COMPETENCY BASED QUESTIONS –10 QUESTIONS
16/10/2026	Chapter: ACCOUNTING FOR PARTNERSHIP FIRMS FUNDAMENTALS Practical problem of accounting for partnership firms fundamentals –5, 12, 22, 25, 37,
17/10/2026	Chapter: CHANGE IN PROFIT SHARING RATIO AMONG THE EXISTING PARTNER Practical problem of Change in profit sharing ratio among the existing partners - 4, 9, 11, 20, 24, 28, SOLVED CBSE SAMPLE PAPER (2025-26)
18/10/2026	CHAPTER: ADMISSION OF A PARTNER Practical problem of Admission of a Partner 4, 7, 10, 15, 22, 28, 35, 47, 52, 57,
19/10/2026	CHAPTER: RETIREMENT OR DEATH OF A PARTNER Practical problem of Retirement or death of a partner - 2, 3, 9, 14, 19, 22, 27, 36, 47, 57,
20/10/2026	CHAPTER: DISSOLUTION OF A PARTNERSHIP FIRM Practical problem of dissolution of a partnership firm- 2, 5, 7, 9, 13, 18, 25, 27
21/10/2026	CHAPTER: ISSUE OF SHARE MULTIPLE CHOICE QUESTIONS – 10 QUESTIONS ASSERITON AND REASON – 5 QUESTIONS COMPETENCY BASED QUESTIONS –10 QUESTIONS STATEMENT BASED QUESTIONS - 5 QUESTIONS Practical problem of issue of share –6, 12, 21, 24, 28, 45, 60 & 63
22/10/2026	CHAPTER: ISSUE OF DEBENTURE Practical problem of issue of debenture- 3, 8, 11, 17, 24, 32 & 33
23/10/2026	Solve CBSE Sample Paper (2026-27)
24/10/2026	Solve last year (2026) CBSE Board Paper.

PM SHRI KENDRIYA VIDYALAYA NO. -1 BEG & C ROORKEE

HOLIDAY HOMEWORK FOR AUTUMN BREAK

SESSION- 2026-27

SUBJECT- BUSINESS STUDIES

CLASS-XII

Date	Name of chapter/unit
15/10/2026	NATURE AND SIGNIFICANCE OF MANAGEMENT & PLINICIPLES OF MANAGEMENT MULTIPLE CHOICE QUESTIONS –5 QUESTIONS ASSERITON AND REASON –3 QUESTIONS COMPETENCY BASED QUESTIONS –5 QUESTIONS CASE STUDIES –5 QUESTIONS SHORT ANSWER TYPE QUESTIONS 1) Briefly explain any six principles of general management. 2) Explain the following techniques of scientific management A) Time Study (B) Motion Study (C) Functional Foremanship 3) Explain any four features of management. 4) Explain any three points that highlight the importance- of ‘ordination’.
16/10/2026	BUSINESS ENVIRONMENT AND PLANNING MULTIPLE CHOICE QUESTIONS –5 QUESTIONS ASSERITON AND REASON –3 QUESTIONS COMPETENCY BASED QUESTIONS –5 QUESTIONS CASE STUDIES –5 QUESTIONS SHORT ANSWER TYPE QUESTIONS 1)State any three features of planning. 2)State any three limitations of planning. 3) Explain any four features of business environment.
17/10/2026	ORGANISING AND STAFFING MULTIPLE CHOICE QUESTIONS –5 QUESTIONS ASSERITON AND REASON –3 QUESTIONS COMPETENCY BASED QUESTIONS –5 QUESTIONS CASE STUDIES –5 QUESTIONS SHORT ANSWER TYPE QUESTIONS 1)Briefly explain the process of staffing. 2)Explain the following: a) On the job training b) Off the job training 3) Differentiate between Delegation and Decentralisation on any four bases.
18/10/2026	DIRECTING AND CONTROLLING MULTIPLE CHOICE QUESTIONS –5 QUESTIONS ASSERITON AND REASON –3 QUESTIONS COMPETENCY BASED QUESTIONS –5 QUESTIONS
	CASE STUDIES –5 QUESTIONS SHORT ANSWER TYPE QUESTIONS 1)State any five semantic barriers to communication in an organization.
19/10/2026	FINANCIAL MANAGEMENT AND FINANCIAL MARKET MULTIPLE CHOICE QUESTIONS –5 QUESTIONS ASSERITON AND REASON –3 QUESTIONS COMPETENCY BASED QUESTIONS –5 QUESTIONS CASE STUDIES –5 QUESTIONS

	SHORT ANSWER TYPE QUESTIONS 1) State any three objectives of financial management. 2) Explain briefly any four factors affecting the fixed capital requirements of an organization. 3) Distinguish between capital market and money market. (any four) 4) Briefly Explain any four functions on stock exchange.
20/10/2026	MARKETING MANAGEMENT MULTIPLE CHOICE QUESTIONS –5 QUESTIONS ASSERTION AND REASON –3 QUESTIONS COMPETENCY BASED QUESTIONS –5 QUESTIONS CASE STUDIES –5 QUESTIONS SHORT ANSWER TYPE QUESTIONS 1) Briefly explain any four functions of marketing. 2) Explain the four elements of marketing mix.
21/10/2026	Solve CBSE Sample Paper (2026-27)
22/10/2026	Solve 2025 CBSE Board Paper
23/10/2026	Solve last year (2026) CBSE Board Paper
24/10/2026	Project Work Topic: 1) Principles of Management Or Business Environment 2) Marketing

CLASS XII MACROECONOMICS

Numerical Questions

Autumn Break Holiday Homework

Chapter 1: National Income and Related Aggregates

Q1. Calculate National Income (NNP at Factor Cost) from the following data:

Particulars	₹ in crore
GDP at Market Price	1,000
Depreciation	100
Net Indirect Taxes	80
Net Factor Income from Abroad	20

Q2. Calculate Gross Domestic Product at Market Price (GDP at MP).

Particulars	₹ in crore
Private Final Consumption Expenditure	500
Government Final Consumption Expenditure	150
Gross Domestic Capital Formation	200
Exports	100
Imports	80

Chapter 2: Money and Banking

Q3. The initial deposit in a commercial bank is ₹2,000 and the Legal Reserve Ratio (LRR) is 20%. Calculate: (a) Money Multiplier (b) Total Deposit Creation (c) Total Credit Creation.

Q4. A commercial bank receives a fresh deposit of ₹10,000. If the LRR is 10%, calculate the maximum credit creation by the banking system.

Chapter 3: Determination of Income and Employment

Q5. In an economy, the consumption function is $C = 100 + 0.8Y$. If investment expenditure is ₹200 crore, calculate: (a) Equilibrium level of income (b) Saving at equilibrium.

Q6. In an economy, $MPC = 0.75$ and the increase in investment is ₹400 crore. Calculate: (a) Investment Multiplier (b) Total increase in income.

Chapter 4: Government Budget and the Economy

Q7. Calculate Revenue Deficit, Fiscal Deficit and Primary Deficit from the following data:

Particulars	₹in crore
Revenue Receipts	500
Revenue Expenditure	650
Capital Expenditure	200
Non-debt Capital Receipts	50
Interest Payments	80

Q8. The government has the following receipts and expenditure: Total Expenditure = ₹1,000 crore; Revenue Receipts = ₹600 crore; Non-debt Capital Receipts = ₹100 crore; Interest Payments = ₹50 crore. Calculate: (a) Fiscal Deficit (b) Primary Deficit.

Chapter 5: Balance of Payments

Q9. Exports of goods = ₹500 crore and imports of goods = ₹650 crore. Calculate the Balance of Trade and state whether there is a trade surplus or trade deficit.

Q10. Calculate the Current Account Balance from the following data:

Particulars	₹in crore
Exports of Goods	400
Imports of Goods	500
Net Invisibles	150

Chapter 6: Foreign Exchange Rate

Q11. The exchange rate changes from ₹80 per US dollar to ₹84 per US dollar. Calculate the percentage change in the rupee-per-dollar exchange rate and state whether the rupee has appreciated or depreciated.

Project work (do any one)

g. Digital payment in India

h. Inflation in India.

PM SHRI KENDRIYA VIDYALAYA NO.1 ROORKEE

AUTUMN BREAK HOLIDAY HOMEWORK

Mathematics | Class 12

Session 2026-27

Autumn Break: 15 October 2026 to 24 October 2026 (10 days)

Instructions for Students

- i. Attempt one worksheet each day. Do all the work neatly in your Maths notebook.
- j. Write the question number and then the complete solution, showing each step.
- k. Draw diagrams and graphs with a pencil and ruler wherever needed.
- l. Revise the chapter from the textbook before starting that day's worksheet.
- m. This is revision work only, based on what has already been taught in class.

Day 1: Relations and Functions

- k. Check whether $f : \mathbb{R} \rightarrow \mathbb{R}$, $f(x) = 3x + 2$ is one-one.
- l. Show that $f(x) = x^2$ is not one-one on $\mathbb{R}$.
- m. Find the inverse of $f(x) = 2x + 3$.
- n. Check whether the relation $R = \{(1,1), (2,2), (3,3), (1,2)\}$ on $\{1, 2, 3\}$ is reflexive, symmetric and transitive.
- o. Show that $f : \mathbb{R} \rightarrow \mathbb{R}$, $f(x) = 5x + 3$ is bijective.
- p. Let $A = \{1, 2, 3\}$. Find the number of one-one functions from A to A .
- q. If $f(x) = x + 3$ and $g(x) = x^2$, find $f \circ g(x)$ and $g \circ f(x)$.
- r. Show that $f : \mathbb{N} \rightarrow \mathbb{N}$, $f(x) = 2x$ is one-one but not onto.

Day 2: Inverse Trigonometric Functions

- h. Find the principal value of $\sin^{-1} \frac{1}{2}$.
- i. Find the value of $\cos^{-1} (-\frac{1}{2})$.
- j. Evaluate: $\tan^{-1} (1)$.
- k. Find the value of $\sin^{-1} (\sin(\frac{2}{3}))$.
- l. Evaluate: $\cos^{-1} (\cos(\frac{7\pi}{6}))$.
- m. Prove: $\tan^{-1} (1) + \tan^{-1} (2) + \tan^{-1} (3) = \pi$.
- n. Find the value of $\sin(\cos^{-1}(\frac{3}{5}))$.
- o. Evaluate: $\tan^{-1}\sqrt{3} - \cot^{-1}(-\sqrt{3})$.

Day 3: Matrices

- 1.

12	20
34	13
- 2.

12	1
34	
- 3. Write the order of a matrix with 3 rows and 4 columns.
- 4.

12	20
34	13
- 5.

123	1
456	

- 2 3
6. If $A = \begin{bmatrix} 1 & -1 \\ 2 & 2 \end{bmatrix}$, find A^2 .
7. _____
8. _____

Day 4: Determinants

1. _____
2. Find the determinant of $\begin{bmatrix} 4 & 5 & 6 \\ 7 & 8 & 9 \\ 1 & 2 & 3 \end{bmatrix}$.
3. _____
4. Find the area of the triangle with vertices (0, 0), (3, 0) and (0, 4) using determinants.
5. _____
- k. Solve using Cramer's rule: $x + y = 5$ and $x - y = 1$.

Day 5: Continuity and Differentiability

- Differentiate: $x^3 + 2x^2 - 5$.
- Differentiate: $\sin x + \cos x$.
- Find dy/dx if $y = e^x + \log x$.
- Differentiate: $y = x \sin x$.
- Check the continuity of $f(x) = |x|$ at $x = 0$.
- Differentiate: $y = (2x + 3)^x$.
- Find dy/dx if $y = \tan x$.
- Differentiate: $y = x^2 e^x$.

Day 6: Applications of Derivatives

- Find the maximum value of $f(x) = -(x - 1)^2 + 5$.
- Find the interval in which $f(x) = x^2 - 4x$ is increasing.
- Find the critical points of $f(x) = x^3 - 3x$.
- The radius of a circle is increasing at 2 cm/s. Find the rate of increase of its area when $r = 5$ cm.
- Find the local minimum of $f(x) = x^2 - 6x + 5$.
- Find two positive numbers whose sum is 16 and whose product is maximum.

Day 7: Integrals

- Evaluate: integral of $x^2 dx$.
- Evaluate: integral of $(2x + 3) dx$.
- Evaluate: integral of $(1/x) dx$.
- Evaluate: integral of $\sin x dx$.
- Evaluate: integral of $(x^2 + 1/x) dx$.

Day 8: Application of Integrals

1. Find the area bounded by $y = x^2$, the x-axis, $x = 0$ and $x = 3$.
2. Find the area of the circle $x^2 + y^2 = 9$ using integration.
3. Find the area bounded by $y = x$, the x-axis and $x = 4$.
4. Find the area enclosed between $y = x^2$ and $y = x$.
5. Find the area of the region bounded by $y = \sqrt{x}$, the x-axis, $x = 0$ and $x = 4$.
6. Find the area bounded by the ellipse $x^2/16 + y^2/9 = 1$.
7. Find the area of the triangle bounded by $y = 2x$, the x-axis and $x = 3$.
8. Find the area bounded by $y = x^2$, $x = 1$, $x = 2$ and the x-axis.

Day 9: Differential Equations

1. Find the order and the degree of $d^2y/dx^2 + (dy/dx)^3 + y = 0$.
2. Solve: $dy/dx = 2x$.
3. Solve: $dy/dx = y/x$.
4. Find the order and the degree of $(dy/dx)^2 + y = 0$.
5. Solve: $dy/dx + y = 0$.
6. Verify that $y = e^x$ is a solution of $dy/dx - y = 0$.
7. Solve: $dy/dx = \cos x$.
8. Find the integrating factor of $dy/dx + y/x = x$.

Day 10: Vector Algebra and Mixed Revision

1. Find the magnitude of the vector $3i + 4j$.
2. Find the unit vector in the direction of $6i + 8j$.
3. Find the dot product of $(i + 2j)$ and $(3i + j)$.
4. Find the cross product of i and j .

PM shri KendriyaRoorkeevidya AUTUMN HOLIDAY HOMEWORK(2026– 27)

Class: XII

Subject: Political Science

Chapters:

- n. Regional Aspirations
- o. Globalisation

Instructions: Answer all questions in your notebook. Short-answer questions carry 4 marks and long-answer questions carry 6 marks.

Day 1: Regional Aspirations

Q1. (4 Marks) Explain the importance of regional aspirations in Indian democracy.

Q2. (6 Marks) “Regional aspirations need not be a threat with suitable examples. (PYQ 2015, 2020)

Day 2: Punjab

Q1. (4 Marks) Explain the main demands of the Anandpur Sahib Resolution.

Q2. (6 Marks) Explain the Punjab crisis and the steps taken to restore peace in the state. *(PYQ theme;*

Day 3: Jammu and Kashmir

Q1. (4 Marks) Mention four major issues related to Jammu and Kashmir's political situation. *(NCERT-based board practice)*

Q2. (6 Marks) Describe the major political developments in Jammu and Kashmir after Independence. *(PYQ)*

Day 4: Assam and Mizoram

Q1. (4 Marks) Explain the main causes of the Assam Movement.

Q2. (6 Marks) Explain how the Mizo Accord of 1986 helped restore peace in Mizoram.

Day 5: Regional Aspirations

Q1. (4 Marks) Explain four ways in which regional aspirations can be accommodated in a democracy.

Q2. (6 Marks) Explain India's approach to regional demands with suitable examples from Punjab, Assam and Mizoram. (PYQ)

Day 6: Globalisation

Q1. (4 Marks) Explain the main factors responsible for the growth of globalisation.

Q2. (6 Marks) Explain the role of technology in promoting globalisation. (CBSE PYQ 2022;

Day 7: Consequences of Globalisation

Q1. (4 Marks) Explain any four economic consequences of globalisation. (NCERT)

Q2. (6 Marks) Explain the political, economic and cultural consequences of globalisation. (NCERT-based board practice)

Day 8: Globalisation and Culture

Q1. (4 Marks) What is cultural homogenisation? Explain with examples.

Q2. (6 Marks) Explain the positive and negative effects of globalisation on culture. (CBSE PYQ 2019)

Day 9: Globalisation and India

Q1. (4 Marks) Explain four effects of globalisation on the Indian economy and society. (NCERT-based board practice)

Q2. (6 Marks) Why do some groups oppose globalisation? Explain with suitable examples.

Day 10: Board Examination Practice

Q1. (4 Marks) Explain how India has accommodated regional diversity while maintaining national unity.

Q2. (6 Marks) "Globalisation is a multidimensional process." Discuss.

AUTUMN BREAK HOLIDAY HOMEWORK

SESSION: 2026–27

PM SHRI KENDRIYA VIDYALAYA NO. 1,
ROORKEE CLASS: XII –C SUBJECT:
HISTORY

SHORT ANSWER TYPE QUESTIONS

Question No. 1: Discuss the problems faced by Al-Biruni while understanding Indian

social and cultural phenomena.

Question No. 2: Explain the role of women devotees in the tradition of Alvars and Nayanars. Question No. 3: Explain the condition of female slaves mentioned in the Rihla.

Question No. 4: Describe the features of water resources in the Vijayanagara Empire.

Question No. 5: Examine the evidence that suggests land revenue was important for the Mughal fiscal system.

LONG ANSWER TYPE

QUESTIONS Question No. 6:

Explain the Revolt of 1857.

Question No. 7: Identify the rituals and traditions associated with the Mahanavami

Dibba. Question No. 8: Prepare your project work according to the CBSE syllabus

2026–27.

Best Wishes! Complete your holiday homework nea instructions.

PM SHRI KENDRIYA VIDYALAYA NO. 1, ROORKEE

AUTUMN BREAK HOLIDAY HOMEWORK Class: XII Subject: English Core (301)

Duration: 10 Days **Session:** 2026–27 **Section A: Reading Skills**

Section B: Creative Writing Skills

Q1. Draft a notice in about 50 words announcing an inter-house debate competition on *Artificial Intelligence: A Boon or a Bane?* Include all necessary details.

Q2. . Draft a formal invitation for the Annual Prize Distribution Ceremony of your school. b. Write an appropriate formal reply accepting the invitation.

Q3. a. Write a letter to the editor of a national daily expressing concern about the excessive use of social media among adolescents and suggesting measures to promote responsible digital habits.

b. Write a job application for the post of an assistant editor in a publishing house, including a suitable biodata.

Q4. Write an article on “**The Role of Young People in Building**

p. As the student reporter of your school, write a report on an inter-school literary festival organised by your Vidyalaya.

Q5. Short-Answer Questions

Answer any four in 40–50 words each.

s. How does the story *The Last Lesson* highlight the importance of language and cultural identity?

t. Why does Saheb lose his carefree spirit after taking up a job at the tea stall in *Lost*

Spring?

u. How does Douglas overcome his fear of water in *Deep Water*?

v. What role does Gandhi's leadership play in the success of the Champaran movement in *Indigo*?

w. How does the poet use contrast to convey the theme of ageing and separation in *My Mother at Sixty-Six*?

x. What message does *Keeping Quiet* convey about introspection and universal peace?

Q6. Long-Answer Questions

Answer any two in 120–150 words each.

p. Compare the struggles and aspirations of Saheb and Mukesh in *Lost Spring*. How does the chapter expose the cycle of poverty and exploitation?

q. *The Rattrap* suggests that compassion can bring about a change in human behaviour. Discuss with reference to the peddler and Edla Willmansson.

r. How does *Aunt Jennifer's Tigers* present the contrast between the constraints imposed on women and their desire for freedom?

s. In *The Interview*, the views of Umberto Eco and the discussion of interviews raise questions about privacy, celebrity, and communication. Discuss.

Section D: Literature –Vistas

Q7. Short-Answer Questions

Answer any three in 40–50 words each.

l. Why does Charley believe that the third level offers an escape from the stress and insecurity of modern life?

m. How does the story *The Tiger King* satirise the arrogance and misuse of power by those in authority?

n. Why does Dr Sadao decide to help the wounded American soldier despite the risks involved?

o. How does Mr Lamb influence Derry's attitude towards himself and the world in *On the Face of It*?

p. What common experience connects Zitkala-Sa and Bama in *Memories of Childhood*?

Q8. Long-Answer Questions

Answer any two in 120–150 words each.

h. Compare the ways in which *The Enemy* and *Memories of Childhood* explore the conflict between social expectations and individual conscience or dignity.

i. How does *The Third Level* explore escapism and the human desire to find relief from the pressures of modern life?

j. *On the Face of It* shows that physical appearance does not define a person's worth. Discuss how Mr Lamb helps Derry develop a more positive outlook.

Section F: Board Examination Preparation

Q9. Sample Paper Practice

Solve **one complete CBSE Class XII English Core sample paper for 80 marks** under examination conditions.

केंद्रीय विद्यालय नं. 1, रुड़की

शरद कालीन अवकाश गृह कार्य

विषय अध्यापक - अनू

विषय - हिंदी

कक्षा - 12वीं

1. पत्रकारिता लेखन के विभिन्न रूपों का संक्षिप्त परिचय दीजिए।
2. किसी एक विषय पर लेख लिखिए।
3. कहानी का रूपांतरण कैसे किया जाता है? समझाइए।
4. रेडियो नाटक कैसे बनता है? इसकी प्रक्रिया लिखिए।

लेख लेखन

निम्नलिखित में से किसी एक विषय पर लेख लिखिए।

1. मोबाइल फोन का विद्यार्थियों के जीवन पर प्रभाव
2. पर्यावरण संरक्षण की आवश्यकता

काव्य एवं गद्य खंड

3. 'रुबाइयाँ' कविता का सारांश अपने शब्दों में लिखिए।
4. 'आत्मपरिचय' कविता का मूल भाव लिखिए।
5. 'कवितावली' में कवि ने समाज की किन समस्याओं का वर्णन किया है?
6. 'छोटा मेरा खेत' कविता का केंद्रीय भाव लिखिए।
7. 'बगुलों के पंख' कविता में प्रकृति-सौंदर्य का वर्णन कीजिए।
8. 'शिरीष के फूल' पाठ से आपको क्या शिक्षा मिलती है?