



Lady Florence
CONVENT SCHOOL

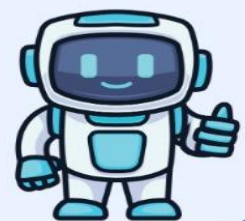
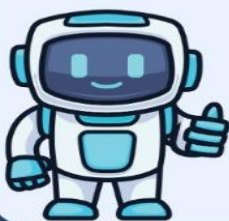
HOLIDAY HOMEWORK

SESSION - 2026-27

GRADE X



NAME: _____
ROLL NO: _____



Note:

- *The school will reopen on 6th July, 2026.*
- *Parents can submit the holiday homework between 2nd July to 4th July during school working hours.*

Dear Students,

Kindly follow the given guidelines while completing your Holiday Homework:

- Complete the work neatly and systematically in a separate file/folder as instructed by the subject teacher.
- The work should be creative, innovative, research-based, and connected with real-life applications.
- Include case studies, surveys, newspaper articles, data collection, self-analysis, or experiential learning wherever applicable.
- Avoid copy-pasting from the internet. Originality and independent thinking will be appreciated.
- Use diagrams, charts, mind maps, QR codes, presentations, art integration, and digital tools to enhance your work.
- Maintain good handwriting, proper labeling, presentation, and overall organization.
- Assignments should reflect conceptual understanding, analytical skills, and subject knowledge.
- Reading newspapers, journals, biographies, educational magazines, and reference books during vacations is highly encouraged.
- Practical learning through observation, interviews, field visits, and family interaction should be included wherever possible.
- Submit the Holiday Homework on time after the vacations. Late submission may affect assessment and evaluation.
- Along with academics, students should also focus on physical fitness, hobbies, relaxation, and quality family time for holistic development.
- Complete your work sincerely and make your vacations productive and meaningful.
- Revise the PT-2 syllabus regularly during the vacations for better understanding and retention of concepts.

Holiday Assignment: "Unwind & Imagine"

Dear Students,

This vacation, step away from the academic pressure, turn off your screens, and let your mind relax. There are no strict rules, no themes, and absolutely no pressure to make a "perfect" masterpiece. Your only goal is to create something entirely from your imagination that helps you recharge.

Love and Blessings!!

Guidelines

- **What to Draw:** Anything you want. It could be a dream landscape, an abstract pattern of shapes, a character, or just a stream-of-consciousness doodle.
- **Medium of Choice:** Use whatever you have at home—watercolors, acrylics, color pencils, oil pastels, sketch pens, or just a simple graphite pencil.
- **The Canvas:** You can use a drawing sheet, a page in a sketchbook, a canvas, or even upcycle a piece of cardboard.

Important Reminders

- **Do not be in any hurry** to finish your work of art. Give it time and enjoy the process of making it.
- **Do not copy** or download designs from the internet; let the ideas be entirely your own.
- **Do not stress** about the final result or worry about making mistakes.
- **Do not treat this as a chore** or a rigid academic task—just have fun and create at your own pace.

Reflection Note

- On the back of your artwork, write a short 2-3 sentence note sharing how you felt while creating it and what your imagination brought to life.

SUBJECT - ENGLISH

SECTION A - READING SKILLS

1. Read the passage carefully and answer the following questions.

Importance of Saving Water

Water is one of the most precious natural resources on Earth. It is essential for the survival of human beings, animals, and plants. We use water for drinking, cooking, cleaning, agriculture, and industries. Despite its importance, many people waste water carelessly. They leave taps running, pollute rivers, and overuse groundwater resources.

The increasing population and urban development have increased the demand for water. Many regions of the world are facing water shortages due to climate change, irregular rainfall, and excessive use of water. Farmers also face difficulties when there is not enough water for irrigation. If this problem continues, future generations may suffer greatly.

Saving water is the responsibility of every individual. Small steps such as turning off taps, repairing leaking pipes, using buckets instead of showers, and harvesting rainwater can help conserve water. Schools should also educate students about the importance of water conservation. If we save water today, we can secure a better future tomorrow.

i. Water is essential for:

- a) Humans only b) Animals only c) Plants only d) All living beings

ii. One major reason for water shortage is:

- a) Proper usage b) Rainwater harvesting c) Climate change d) Clean rivers

iii. Farmers need water mainly for:

- a) Transport b) Irrigation c) Entertainment d) Construction

iv. One way to save water is:

- a) Leaving taps open b) Polluting rivers
c) Repairing leaking pipes d) Wasting groundwater

Short Answer Questions

v. Why is water important?

vi. How do people waste water?

vii. Why are many regions facing water shortages?

- viii. How are farmers affected by water scarcity?
- ix. Mention two ways to save water.
- x. Why should schools spread awareness about water conservation?

2. Read the passage carefully and answer the following questions.

Value of Hard Work

Hard work is the key to success. No person can achieve great things without dedication, determination, and continuous effort. Students who work hard regularly often perform well in academics and other activities. Hard work teaches discipline, patience, and responsibility.

Many successful people faced difficulties in life but achieved their goals through consistent efforts. Scientists, athletes, leaders, and writers worked hard to reach great heights. They did not give up when they faced failures. Instead, they learned from their mistakes and continued working toward their dreams.

Nowadays, many students look for shortcuts to success. They depend on unfair means or avoid regular practice. Such habits can never lead to long-term success. True success comes only through honesty and hard work. Therefore, students should develop the habit of working sincerely and consistently.

i. Hard work is the key to:

- a) Failure b) Success c) Laziness d) Weakness

ii. Hard work teaches:

- a) Carelessness b) Discipline c) Fear d) Anger

iii. Successful people achieved goals through:

- a) Luck only b) Shortcuts c) Continuous effort d) Avoiding work

iv. True success comes through:

- a) Dishonesty b) Shortcuts c) Hard work and honesty d) Luck

Short Answer Questions

- v. Why is hard work important?
- vi. What qualities does hard work teach?
- vii. How do successful people deal with failures?
- viii. Why are shortcuts harmful?
- ix. What habits should students develop?
- x. How does hard work help students in life?

SECTION B - GRAMMAR WORKSHEET

Exercise 1: Tenses

Fill in the blanks:

- a) She _____ to school every day.
- b) They _____ cricket yesterday evening.
- c) I _____ my homework already.
- d) We _____ dinner right now.
- e) He _____ in Delhi for five years.

Exercise 2: Identify the Tense

Identify the tense of the following sentences:

- a) She is singing a song.
- b) They played football yesterday.
- c) I have completed my work.
- d) He will visit Jaipur next week.
- e) We had finished dinner before they arrived.

Exercise 3: Change the Tense

Rewrite the sentences as directed:

- a) She writes a letter. (Change into Present Continuous)
- b) They are playing football. (Change into Past Continuous)
- c) He completed his work. (Change into Future Tense)
- d) I will go to Delhi tomorrow. (Change into Past Tense)
- e) We have finished our homework. (Change into Simple Present Tense)

Exercise 4: Subject-Verb Concord

Choose the correct verb:

- a) The boys _____ playing in the park. (is/are)
- b) Each student _____ responsible for homework. (is/are)
- c) Neither Ram nor his friends _____ present today. (was/were)
- d) My brother and sister _____ going to school. (is/are)
- e) The news _____ shocking. (is/are)

SECTION C - WRITING SKILLS

3. Formal Letter

(Roll no 1-15)

You are interested in a short term course in computer graphics during the holidays. Write a letter to the Director, Fortune Graphics Computers, inquiring about their short- term courses and asking for all the necessary details. You are Anuj/ Anju of 28A, Uttam Nagar, New Delhi.

(ROLL NO-16-30)

Write a letter to the Editor regarding the increasing problem of pollution in your city and suggest solutions.

SECTION D - LITERATURE

4. Write the “**Life Journey of Nelson Mandela**” in your own words.

5. Explain the poem Summary of “**Dust of Snow**” in your own words.

SECTION E - PROJECT WORK

➤ **Project on Famous Poet – 1. Robert Frost**

Include: Biography Early life Famous poems Writing style Awards

Interesting facts

Your favourite poem by him

(Add pictures and creative work.)

Instructions:

- ✓ **Complete neatly in your notebook.**
- ✓ **Use proper headings.**
- ✓ **Submit after summer vacation.**

SUBJECT - HINDI

प्रश्न 1. अपठित गद्यांश

पर्यावरण हमारे जीवन का आधार है। शुद्ध वायु, स्वच्छ जल, पेड़-पौधे तथा प्राकृतिक संसाधन मानव जीवन को स्वस्थ और सुरक्षित बनाते हैं। आज के समय में बढ़ते प्रदूषण, पेड़ों की कटाई और औद्योगीकरण के कारण पर्यावरण को भारी नुकसान पहुँच रहा है। नदियाँ प्रदूषित हो रही हैं, वायु दूषित हो रही है तथा ग्लोबल वार्मिंग जैसी समस्याएँ तेजी से बढ़ रही हैं। यदि समय रहते पर्यावरण की रक्षा नहीं की गई, तो आने वाली पीढ़ियों को गंभीर कठिनाइयों का सामना करना पड़ेगा। पेड़-पौधे पर्यावरण को संतुलित बनाए रखने में महत्वपूर्ण भूमिका निभाते हैं। वे हमें ऑक्सीजन प्रदान करते हैं और वायु को शुद्ध बनाते हैं। इसलिए हमें अधिक से अधिक पेड़ लगाने चाहिए तथा जल और बिजली का अनावश्यक उपयोग नहीं करना चाहिए। प्रत्येक व्यक्ति का कर्तव्य है कि वह पर्यावरण संरक्षण के प्रति जागरूक बने और दूसरों को भी इसके लिए प्रेरित करें।

1. पर्यावरण को किसका आधार कहा गया है?
2. मानव जीवन को स्वस्थ और सुरक्षित बनाने में कौन-कौन सहायक हैं?
3. आज पर्यावरण को नुकसान क्यों पहुँच रहा है?
4. गद्यांश में किन समस्याओं का उल्लेख किया गया है?
5. समय रहते पर्यावरण की रक्षा न करने पर क्या होगा?
6. पेड़-पौधे पर्यावरण के लिए किस प्रकार उपयोगी हैं?
7. पेड़ हमें क्या प्रदान करते हैं?
8. हमें किन संसाधनों का अनावश्यक उपयोग नहीं करना चाहिए?
9. प्रत्येक व्यक्ति का क्या कर्तव्य बताया गया है?
10. गद्यांश के लिए उपयुक्त शीर्षक लिखिए।

प्रश्न 2. निम्न वाक्यों का वाच्य बदलकर लिखिए -

(क) राम पत्र लिखता है।

(ख) बच्चों द्वारा पेड़ लगाए गए।

(ग) मैं गीत गा रहा हूँ।

(घ) यहाँ बैठा नहीं जाता।

प्रश्न 3. निम्न वाक्यों का रचना के आधार पर भेद बताइए –

(क) मोहन विद्यालय जाता है।

(ख) मैं बाज़ार गया और फल लाया।

(ग) जो छात्र मेहनत करता है, वही सफल होता है।

(घ) यदि वर्षा होगी तो हम नहीं जाएँगे।

प्रश्न 4. निम्न वाक्यों को संयुक्त वाक्य में बदलिए –

(क) रवि पढ़ता है। रवि खेलता है।

(ख) सीमा बाज़ार गई। सीमा फल लाई।

(ग) बच्चे हँसे। बच्चे ताली बजाने लगे।

(घ) माँ खाना बनाती है। माँ हमें खिलाती है।

प्रश्न 5. निम्न विषयों पर 80–100 शब्दों में अनुच्छेद लिखिए –

(क) पर्यावरण संरक्षण (अनुक्रमांक 1 से 13 तक)

(ख) समय का महत्व

(ग) स्वच्छ भारत अभियान (अनुक्रमांक 14 से 26 तक)

(घ) विद्यार्थी जीवन

प्रश्न 6 औपचारिक पत्र लिखिए –

(क) पुस्तकालय में नई पुस्तकें मँगवाने हेतु पत्र।। (अनुक्रमांक 1 से 13 तक)

(ख) विद्यालय में स्वच्छता की समस्या के संबंध में पत्र। (अनुक्रमांक 14 से 26 तक)

प्रश्न 6. ई-मेल लेखन –

(क) अपने मित्र को परीक्षा परिणाम की जानकारी देते हुए ई-मेल लिखिए।

(ख) विद्यालय में छुट्टी के लिए ई-मेल लिखिए।

प्रश्न 7. पाठ लखनवी अंदाज वह नेताजी का चश्मा का सार अपने शब्दों में लिखिए।

प्रश्न 8. क्रियात्मक कार्य - पोर्टफोलियो तैयार कीजिए।

- सूरदास (अनुक्रमांक 1 से 13 तक)
- तुलसीदास(अनुक्रमांक 14 से 26 तक)

प्रस्तावना, भूमिका, रचनाएँ और साहित्य के क्षेत्र में स्थान

SUBJECT - MATHEMATICS

Chapter 1: Real Numbers

1. Find the HCF of 96 and 404 using Euclid's Division Algorithm.
2. Check whether 6^n can end with the digit 0 for any natural number n .
3. Express 0.375 as a rational number in simplest form.
4. Find the LCM and HCF of 26 and 91 and verify the relation: Product = LCM \times HCF.
5. Prove that $\sqrt{5}$ is irrational.

Chapter 2: Polynomials

6. Find the zeroes of the polynomial $x^2 - 5x + 6$.
7. Verify the relationship between zeroes and coefficients of the polynomial $x^2 - 7x + 10$.
8. Find a quadratic polynomial whose zeroes are 3 and -2 .
9. Divide $x^3 - 3x^2 - 4x + 12$ by $x - 3$.
10. Check whether $x + 2$ is a factor of $x^3 + 8$.

Chapter 3: Pair of Linear Equations in Two Variables

11. Solve by substitution method: $x + y = 10$ and $x - y = 4$.
12. Solve graphically: $2x + y = 7$ and $x - y = 2$.
13. Solve using elimination method: $3x + 2y = 12$ and $2x - y = 3$.
14. Find the value of k for which the equations $2x + 3y = 5$ and $4x + 6y = k$ have infinitely many solutions.
15. The sum of two numbers is 27 and their difference is 5. Form equations and solve.

Chapter 4: Quadratic Equations

16. Solve: $x^2 - 9 = 0$.
17. Solve by factorisation: $x^2 - 5x + 6 = 0$.
18. Find the roots of $2x^2 - 7x + 3 = 0$ using quadratic formula.
19. Find the nature of roots of $x^2 + 4x + 5 = 0$.

20. A rectangular garden has area 96 m^2 and length 4 m more than breadth. Find its dimensions.
21. Solve: $3x^2 - 2x - 1 = 0$.
22. Find two consecutive positive integers whose product is 56.
23. The sum of squares of two consecutive numbers is 313. Find the numbers.
24. Solve the equation: $x^2 - 11x + 28 = 0$.
25. A train travels 120 km at a certain speed. If the speed is increased by 20 km/h, it takes 1 hour less. Find the original speed.

Application-Based Activity

Objective: To understand the practical application of mathematical concepts in daily life.

Instructions: Prepare a chart/project file showing real-life applications of the first four chapters.

1. Real Numbers: Find examples where HCF and LCM are used in daily life such as traffic signals, school timetables, and repeating events.
2. Polynomials: Observe patterns or designs in floor tiles, rangoli, or art and relate them to algebraic expressions.
3. Pair of Linear Equations in Two Variables: Create one real-life problem involving cost, distance, or age comparison. Form and solve the equations.
4. Quadratic Equations: Identify parabolic shapes in bridges, water fountains, or ball trajectories. Paste or draw pictures and explain the mathematical concept.

SUBJECT - SCIENCE

Worksheet - 1 (For Roll No. 1 to 15)

I. Conceptual Questions

1. Why does the color of copper sulphate solution change when an iron nail is dipped in it? Write the chemical equation involved.
2. While diluting an acid, why is it recommended that the acid should be added to water and not water to the acid?
3. What would be the consequences of a deficiency of haemoglobin in our bodies?
4. Why is a convex mirror used as a rear-view mirror in vehicles? Give two reasons.
5. Why do stars appear to twinkle, while planets do not?

II. Numerical Problems

6. An object 4 cm in height is placed at 25 cm in front of a concave mirror of focal length 15 cm. At what distance from the mirror should a screen be placed to obtain a sharp image? Find the nature and size of the image.
7. A person needs a lens of power -5.5 dioptres for correcting his distant vision. What is the focal length of the lens? What is the nature of the lens?

III. Competency based question

8. A student burns a magnesium ribbon in the air and collects the white ash. She then dissolves this ash in water and tests it with red litmus paper.
- (i) Predict the color change of the litmus paper.
- (ii) Justify your answer by identifying the nature of the oxide formed.
9. A patient is diagnosed with an eye defect where the image of a nearby object is formed behind the retina.
- (i) Identify the defect.
- (ii) Draw a ray diagram showing the correction of this defect using the appropriate lens.

IV. Case Study

1. A student treated a silver chloride powder with sunlight for some time. He observed that the white powder turned grey.
- (i) Name the type of chemical reaction that occurred.
- (ii) Write the balanced chemical equation for this process.
- (iii) Mention one use of this reaction in the field of photography.

V. Project Work (Use A4 size sheets)

Create a "pH Scale Chart" using a natural indicator (like red cabbage juice or turmeric). Test five household substances (e.g., lemon juice, soda, vinegar, soap solution, and tap water). Paste the color-changing strips and record your findings.

Instructions

- i. Compile all your A4 sheets in a neat and sturdy folder.
- ii Cover Page: Create an attractive and professional Cover Page for your folder. It must clearly display the following information:

Name of the School

Subject: Science Holiday Homework

Student's Name

Class and Section

Roll Number

WORKSHEET- 2 (For Roll No. 16 to 30)

I. Conceptual Questions

1. Why should Plaster of Paris be stored in a moisture-proof container? Explain with a chemical equation.
2. How are the alveoli designed in human beings to maximize the exchange of gases?
3. Why does the sky appear dark instead of blue to an astronaut in space?
4. Define the term 'Power of Accommodation' of the human eye.
5. Why is the refractive index of diamond (2.42) higher than that of ordinary glass? What does this signify about the speed of light in a diamond?

II. Numerical Problems

6. A convex lens forms a real and inverted image of a needle at a distance of 50 cm from it. Where is the needle placed if the image is equal to the size of the object? Also, find the power of the lens.
7. Light enters from air to glass having a refractive index of 1.50. Calculate the speed of light in the glass. (Speed of light in vacuum is 3×10^8 m/s).

III. Competency based question

8. In a factory, the waste water has a pH of 3.5.
 - (i) What will be the impact of this water if it is discharged directly into a nearby river?
 - (ii) Suggest a chemical substance that can be used to treat this water before discharge and explain the reaction involved.
9. Why are danger signals and stoplights always red in color? Use the concept of scattering and wavelength to explain why other colors like blue or yellow are not used.

IV. Case study

During vigorous physical exercise, athletes often experience severe muscle cramps in their legs.

- (i) Which 3-carbon molecule is produced in the muscles during this condition?
- (ii) Why is less energy produced during this process compared to aerobic respiration?
- (iii) How can hot water baths or massage help in relieving these cramps?

V. Project Work

Prepare a "Ray Diagram Portfolio." Draw neat and labeled ray diagrams for all six positions of an object in front of a concave mirror. Use different colors to represent the incident and reflected rays.

Instructions

- i. Compile all your A4 sheets in a neat and sturdy folder.
- ii. Cover Page: Create an attractive and professional Cover Page for your folder. It must clearly display the following information:

Name of the School

Subject: Science Holiday Homework

Student's Name

Class and Section

Roll Number

SUBJECT – SOCIAL STUDIES

WORKSHEET- 1 (For Roll No. 1 to 15)

1. Multiple Choice Questions (MCQs)

- i. Which level of government looks after village administration?
 - a) Central Government
 - b) State Government
 - c) Local Government
 - d) Supreme Court
- ii. The system of government in Belgium is an example of:
 - a) Dictatorship
 - b) Federalism
 - c) Monarchy
 - d) Military Rule
- iii. Which sector converts raw material into finished goods?
 - a) Primary Sector
 - b) Secondary Sector
 - c) Tertiary Sector
 - d) Public Sector
- iv. Which of the following is part of the tertiary sector?
 - a) Farming
 - b) Banking
 - c) Mining
 - d) Fishing
- v. Who painted "The Dream of Worldwide Democratic and Social Republics"?
 - a) Frederic Sorrieu
 - b) Bismarck
 - c) Napoleon
 - d) Mazzini

- vi. Giuseppe Mazzini belonged to:
- a) Germany
 - b) Italy
 - c) France
 - d) Greece
- vii. Which event is considered the start of globalization in the modern world?
- a) Industrial Revolution
 - b) First World War
 - c) Silk Route Trade
 - d) French Revolution
- viii. Which institution helps in maintaining global trade rules?
- a) UNO
 - b) WTO
 - c) IMF
 - d) WHO
- ix. In India, subjects like police and agriculture belong to:
- a) Union List
 - b) State List
 - c) Concurrent List
 - d) Residuary List
- x. MNC stands for:
- a) Multiple National Company
 - b) Multinational Corporation
 - c) Multi Network Company
 - d) Market National Corporation

Case Study 1:

Read the passage carefully and answer the questions:

India is a federal country where powers are divided between the Central and State governments. The Constitution clearly mentions subjects under Union, State, and Concurrent Lists. Local governments were strengthened after the Constitutional amendments of 1992.

Questions:

1. Name the three levels of government in India.
2. Which list includes education?
3. What was the importance of the 1992 Constitutional amendments?
4. Give one example of a subject in the Union List.

Case Study 2

Read the passage carefully and answer the questions:

India's economy is divided into three main sectors — the Primary Sector, Secondary Sector, and Tertiary Sector. The primary sector involves activities related to the extraction and production of natural resources such as agriculture, fishing, forestry, and mining. Most people in rural India are engaged in this sector. However, despite employing a large portion of the population, the contribution of agriculture to India's GDP has gradually declined over the years.

The secondary sector includes manufacturing and industrial activities. In this sector, raw materials from the primary sector are processed into finished goods. Examples include textile industries, automobile manufacturing, and construction work. Industrial growth is considered important for economic development because it creates employment opportunities and increases production.

The tertiary sector, also known as the service sector, provides services rather than goods. It includes banking, transport, communication, healthcare, education, tourism, and information technology. In recent decades, the service sector has become the largest contributor to India's GDP due to rapid urbanization, technological advancement, and globalization.

All three sectors are interdependent. For example, farmers need tractors and fertilizers produced by industries, while industries and farmers both require transport, banking, and communication services provided by the tertiary sector.

1. Multiple Choice Questions (MCQs)

- i. Which sector includes agriculture and fishing?
 - a) Secondary sector
 - b) Tertiary sector
 - c) Primary sector
 - d) Industrial sector
- ii. What happens to raw materials in the secondary sector?
 - a) They are exported directly
 - b) They are processed into finished goods
 - c) They are wasted
 - d) They are stored permanently
- iii. Which sector is also known as the service sector?
 - a) Primary sector
 - b) Secondary sector
 - c) Agricultural sector
 - d) Tertiary sector
- iv. Why has the tertiary sector grown rapidly in India?
 - a) Decline in population
 - b) Increase in rainfall
 - c) Urbanization and technological advancement
 - d) Reduction in industries
- v. Which of the following is an example of the secondary sector?
 - a) Banking
 - b) Fishing
 - c) Textile manufacturing
 - d) Teaching

WORKSHEET- 2 (For Roll No. 16 to 30)

Multiple Choice Questions (MCQs)

1. Which country has a "coming together" form of federation?
 - a) India
 - b) Belgium
 - c) USA
 - d) Sri Lanka
2. Panchayati Raj is related to:
 - a) Urban Government
 - b) Village Government
 - c) Central Government
 - d) Judiciary
3. Which sector is the largest employer in India?
 - a) Primary Sector
 - b) Secondary Sector
 - c) Tertiary Sector
 - d) IT Sector
4. Which activity belongs to the primary sector?
 - a) Transport
 - b) Teaching
 - c) Dairy Farming
 - d) Banking

5. Who led the unification of Germany?
 - a) Napoleon
 - b) Otto von Bismarck
 - c) Mazzini
 - d) Garibaldi
6. What was the main aim of conservatives in Europe after 1815?
 - a) Democracy
 - b) Liberalism
 - c) Restore monarchies
 - d) End trade
7. The Silk Route connected:
 - a) Europe and America
 - b) Asia with Europe and North Africa
 - c) India and Australia
 - d) China and Japan only
8. Liberalization means:
 - a) Removal of trade barriers
 - b) Increase in taxes
 - c) End of industries
 - d) Ban on imports
9. Which institution conducts elections in villages?
 - a) Parliament
 - b) Municipal Corporation
 - c) Gram Panchayat
 - d) Supreme Court
10. Which sector includes government hospitals and schools?
 - a) Private Sector
 - b) Public Sector
 - c) Organized Sector
 - d) Industrial Sector

Case Study -1

Read the passage carefully and answer the questions:

The spread of railways, steamships, and telegraphs reduced travel time and connected markets across the world. Trade expanded rapidly during the nineteenth century. Multinational companies increased investments in many countries.

Questions:

1. Name two inventions that improved global connectivity.
2. What was the effect of faster transport on trade?
3. What are multinational companies?
4. Mention one positive effect of globalization.

Case Study -2

During the 19th century, the idea of nationalism emerged as a powerful force in Europe. Nationalism refers to a sense of shared identity and unity among people who have common language, culture, history, and traditions. Before nationalism spread, Europe was divided into many small kingdoms and empires ruled by monarchs.

The played a major role in spreading nationalist ideas. It introduced the concepts of liberty, equality, and fraternity. The revolution also emphasized the idea that the nation belonged to its people rather than a monarch. As these ideas spread across Europe, people began demanding freedom and self-rule.

One of the most important figures associated with nationalism in Italy was Giuseppe Mazzini. He believed that Italy should be united as one nation instead of being divided into separate states. Secret societies were formed to promote nationalist movements.

Similarly, Germany was unified under the leadership of Otto von Bismarck, who used a policy of “blood and iron” involving wars and diplomacy. In many parts of Europe, nationalism inspired people to fight against foreign rule and establish independent nation-states.

However, nationalism also led to conflicts and rivalries among European nations. Intense competition and aggressive nationalism later became one of the causes of.

Multiple Choice Questions (MCQs)

1. What is nationalism?
 - a) Love for monarchy
 - b) Sense of shared identity among people
 - c) Rule by foreign powers
 - d) Division of nations
2. Which event played a major role in spreading nationalism in Europe?
 - a) Industrial Revolution
 - b) Russian Revolution
 - c) French Revolution
 - d) American Civil War
3. Who was associated with the unification of Italy?
 - a) Otto von Bismarck
 - b) Napoleon Bonaparte
 - c) Giuseppe Mazzini
 - d) Kaiser William I
4. What policy did Bismarck use to unify Germany?
 - a) Peace and trade
 - b) Blood and iron
 - c) Divide and rule
 - d) Non-violence
5. Aggressive nationalism became one of the causes of:
 - a) French Revolution
 - b) Industrial Revolution
 - c) World War I
 - d) Russian Revolution

ACTIVITY WORK

Group 1 – Roll No. 1 to 10

Activity: Research Paper

Topic Options (Any One):

1. Federalism in India
2. Consumer Rights
3. Sustainable Development
4. Agriculture and Indian Economy

Instructions: Prepare a handwritten research paper of 8–10 pages.

Include:

- Introduction
- Main Content
- Current Examples
- Conclusion
- Pictures/News Clippings
- Add one map related to the topic.

Group 2 – Roll No. 11 to 20

Activity: Creative Poster Making

Topics (Any One):

1. Save Environment
2. Unity in Diversity
3. Consumer Awareness
4. Importance of Democracy

Instructions:

- Prepare a colourful poster on A3 sheet.
- Use slogans, drawings, and creative ideas.
- Poster should reflect social awareness and creativity.

Group 3 – Roll No. 21 to 30

Activity: Informative Chart / Booklet

Option A – Chart Making

Prepare an informative chart on:

1. Types of Resources
2. Sectors of Indian Economy
3. Fundamental Rights
4. Water Conservation

OR

Option B – Booklet

Prepare a small booklet (5–6 pages) on:

1. Disaster Management
2. Indian Constitution
3. Globalisation
4. Public Facilities

Instructions:

- Include pictures, diagrams, and important points.
- Make the work neat and attractive.

Common Activity for All Groups

- Newspaper Reading & Weekly Reflection
- Students must read newspapers regularly during holidays.
- Write one weekly reflection based on any important national or international news.

Mention:

1. Date of news
2. Heading
3. Summary in 5–6 lines
4. Your opinion about it

SUBJECT – INFORMATION TECHNOLOGY

WORKSHEET

SECTION A -Multiple Choice Questions

1. Which of the following is an example of verbal communication?
a) Sign language
b) Facial expressions
c) Telephone conversation
d) Body posture
2. Which key combination is used to copy selected text?
a) Ctrl + X
b) Ctrl + C
c) Ctrl + V
d) Ctrl + P
3. Which of the following is an input device?
a) Printer
b) Monitor
c) Keyboard
d) Speaker
4. Which protocol is used for sending emails?
a) HTTP
b) FTP
c) SMTP
d) TCP
5. What is the full form of URL?
a) Uniform Resource Locator
b) Universal Record Link
c) Uniform Record Locator
d) Universal Resource Link
6. Which option is used to save a document in LibreOffice Writer?
a) File → Save
b) Edit → Save
c) View → Save
d) Tools → Save
7. Which of the following is a cyber-safety practice?
a) Sharing passwords
b) Using weak passwords
c) Installing antivirus software
d) Opening unknown links
8. A table in a database consists of:
a) Slides
b) Rows and Columns
c) Images
d) Charts
9. Which SQL command is used to retrieve data?
a) INSERT
b) UPDATE
c) SELECT
d) DELETE
10. Which networking device connects multiple computers in a LAN?

- a) Scanner
- c) Microphone

- b) Switch
- d) Webcam

Section B – Subjective Questions

11. Explain any four barriers to effective communication.
12. Write the steps to create a table in LibreOffice Writer.
13. What is self-management? Write any three self-management skills.
14. Differentiate between Internet and WWW.
15. What is a database? Mention any two advantages.

Section C – Case Study Based Questions

Case Study 1

Riya received an email from an unknown person asking for her bank details and password. She clicked the link and shared the information.

Questions:

1. Identify the cyber threat in the above case.
2. What mistake did Riya make?
3. Suggest two cyber safety measures.

Case Study 2

A school computer lab has 20 computers connected together to share files and internet connection.

Questions:

1. What type of network is used here?
2. Name one networking device used in the lab.
3. Mention one advantage of networking.

Activity Based Task

Task 1 – Digital Documentation (For Odd roll no.)

1. Create a document in LibreOffice Writer on the topic:
“Importance of Digital Technology in Education”
2. Apply the following formatting features:
 - Heading styles
 - Bold, Italic, Underline
 - Bullets and Numbering
 - Page Border
 - Header and Footer
3. Insert:
 - One table
 - One image
 - Page number

Task 2 – Internet and Cyber Safety (For Even roll no.)

1. Prepare a poster or presentation on:
“Cyber Safety and Security”
2. Include:
 - Strong password tips
 - Safe browsing habits
 - Protection from phishing
 - Importance of antivirus software
3. Add suitable pictures and slogans.

SUBJECT – VALUE EDUCATION

Values & Life Skills Assignment

1. Integrity – “The Project Submission”

Case Study:

During their board project work, Meera and her group were short on time. One member suggested copying data from an online source without citation, saying “Everyone does it, and the teacher won’t check.” Meera disagreed. She argued that submitting copied work would misrepresent their effort and violate academic honesty. She proposed splitting the remaining work and working late to finish it authentically. The group agreed reluctantly. Their project scored slightly lower, but the teacher praised their originality and teamwork. Meera later reflected that compromising on integrity would have damaged her credibility, even if it saved time.

Tick the correct answer:

1. Why did Meera oppose copying the data?
 - a) She wanted to do all the work herself
 - b) She was afraid of her parents finding out
 - c) She believed it violated academic honesty and misrepresented their effort
 - d) She didn’t trust her group members
2. What argument did the other group member use to justify copying?
 - a) The data was incorrect
 - b) There wasn’t enough time to read the source
 - c) The teacher allowed it last year
 - d) “Everyone does it, and the teacher won’t check”
2. What was the outcome of Meera’s decision?
 - a) The teacher praised their originality despite a slightly lower score
 - b) The group failed the project

- c) The teacher gave them extra time without question
- d) The project was rejected outright

3. What does Meera's reflection highlight about integrity?

- a) Integrity is only important for top scorers
- b) Integrity makes group work harder
- c) Integrity matters only in exams
- d) Integrity protects long-term credibility even when short-term gain is possible

Short Answer & Reflection:

1. Write 7-9 sentences: Discuss a situation where choosing integrity had a short-term cost but a long-term benefit. What did you learn from it?

2. Activity: Ethical Dilemma Journal – Record one situation this week where you faced a choice between convenience and honesty. Write 3-4 lines on your decision and its consequence.

2. Discipline – “The Board Exam Countdown”

Case Study:

Rohan had 8 weeks until his board exams. He made a detailed study timetable but struggled to follow it consistently. He often got distracted by social media and postponed difficult subjects. His mentor advised him to use “time blocking” and “accountability checks.” Rohan started studying in 90-minute focused blocks, kept his phone in another room, and reviewed his progress with his mentor every Sunday. It was uncomfortable at first, but his consistency improved. By the exam, he felt prepared and less anxious. He realized discipline wasn't about being perfect, but about returning to the plan after slipping.

Tick the correct answer:

1. What was Rohan's main challenge with his study plan?
 - a) The plan was too easy
 - b) He had no subjects to study
 - c) He got distracted and postponed difficult subjects
 - d) His mentor gave him too much work
2. What technique did his mentor suggest to improve focus?
 - a) Studying longer hours daily
 - b) Studying only at night
 - c) Forming a larger study group
 - d) Time blocking and accountability checks
3. What change helped Rohan stay on track?
 - a) Using focused blocks and regular progress reviews
 - b) Reducing his study time
 - c) Switching to a new timetable weekly
 - d) Asking friends to remind him constantly
4. What key insight did Rohan gain about discipline?
 - a) Discipline means never making mistakes
 - b) Discipline only works for motivated people
 - c) Discipline replaces the need for planning
 - d) Discipline is about returning to the plan after slipping

Short Answer & Activity:

1. Write 9 sentences: What are your biggest distractions during study time? Propose one concrete strategy to reduce each distraction.
2. Activity: Discipline Audit – For 5 days, track how you spend 2 hours after school. Categorize time as “productive,” “neutral,” or “distraction.” Identify one change to increase productive time.

Note for Parents:

Grade 10 students are preparing for high-stakes exams and life decisions. Use these worksheets to discuss decision-making, accountability, and self-management. Encourage honest reflection over “correct” answers.

Students are instructed to complete the Holiday Homework neatly in their Moral Education Notebook and on the worksheets provided only.