



St. Mary's School, Dwarka
Holiday Homework 2026
Class: XI
Worksheet 1

General Instructions:

- 1) The work should be done neatly and systematically.
- 2) The given questions are to be done in your respective subject notebooks.
- 3) Attempt all questions

Subject: English Core

No. of questions: 8

Max.Marks:25

Read the passage given below.

1. Success in life depends not only on intelligence but also on emotional balance. Many people possess great talent, yet fail to achieve peace and satisfaction because they cannot manage their emotions. Emotional balance means understanding feelings, controlling reactions, and responding wisely in difficult situations.
2. A person with emotional stability does not allow anger, jealousy, or fear to overpower judgment. Such individuals remain calm during stressful situations and think before speaking or acting. They understand that temporary failures are opportunities to learn and improve. Instead of blaming others, they focus on finding solutions.
3. Modern lifestyles have increased pressure on students and professionals alike. Constant competition, social media influence, and hectic schedules often lead to anxiety and frustration. As a result, many people suffer from stress-related problems such as sleeplessness, irritation, and lack of concentration. Experts suggest that practising mindfulness, exercise, and proper time management can help reduce stress.
4. Reading good books, spending time with family, and pursuing hobbies also contribute to emotional well-being. Positive thinking develops confidence and improves relationships. People who maintain emotional balance are generally healthier, happier, and more successful in both personal and professional life.

Based on your understanding of the passage, answer the following questions.

(1×5 = 5)

(i) Emotional balance helps people to —

- a) avoid responsibilities completely
- b) react without thinking
- c) remain calm and make wise decisions
- d) become more competitive than others

Std. XI Worksheet 1

(ii) According to the passage, which statement is TRUE?

- a) Failure should always be feared.
- b) Social media has reduced stress levels.
- c) Positive thinking improves confidence and relationships.
- d) Emotionally stable people blame others for problems.

(iii) Mention any two causes of stress according to the passage.

(iv) Find the word from the passage that means the same as “anger or annoyance.” (Para 3)

- a) concentration
- b) frustration
- c) irritation
- d) mindfulness

(v) Choose the option that correctly states the meaning of ‘emotional well-being’ as used in the passage.

- a) Physical strength and stamina
- b) A healthy and positive mental state
- c) Financial success and wealth
- d) Popularity among friends

Q2. You are the Manager of a well-known restaurant in your city. The restaurant requires an experienced chef specialising in Indian cuisine. Draft a suitable advertisement for ‘Situation Vacant’ column in not more than 50 words for publication in a local newspaper. Include qualifications, experience, salary benefits, and contact details. (5)

Do as directed.

Q3. Rearrange the parts of the sentence in the correct order. (1)

- A. because of their dedication and teamwork
- B. the students successfully completed the project
- C. despite facing several difficulties during the competition
- D. within the given time limit

Options:

- a) C - B - A - D
- b) A - C - B - D
- c) D - A - B - C
- d) B - C - D - A

Q4. Choose the correct options to fill in the blanks. ($\frac{1}{2} \times 4 = 2$)

- (a) _____ students participated in the science exhibition.
- A. Much
 - B. Many

Std. XI Worksheet 1

- C. Little
- D. Every

(b) There is _____ milk left in the refrigerator.

- A. few
- B. many
- C. little
- D. several

(c) Did _____ call me in the morning?

- A. somebody
- B. nobody
- C. everybody
- D. none

(d) You may choose _____ book from the shelf.

- A. either
- B. much
- C. some
- D. little

Q5. Fill in the blanks with the correct form of the word given in brackets.

($\frac{1}{2} \times 4 = 2$)

Last Sunday, Riya(a) _____ (visit) the city museum with her friends. When they(b) _____ (arrive), the guide already(c) _____ (begin) explaining the historical exhibits. The students(d) _____ (listen) carefully to the interesting facts shared by him.

Answer the questions in 40-50 words.

Q6. Why did Aram and Mourad hide the horse in the deserted vineyard? What does this reveal about their character? (2)

Q7. How did John Byro react when he saw his horse with Aram and Mourad? What does this show about him? (3)

Q8. Many tribal communities across the world preserve their traditions and values despite modernisation. Research about any Indian or foreign tribe and present your findings in the form of a poster. Include the following details: (5)

- Name of the tribe
- Region where they live
- Food and clothing
- Customs and traditions
- Occupation
- Interesting facts

Subject: Hindi Core

No. of questions: 10

M.M. 25

निर्देश — 1 दिए गए सभी प्रश्नों के उत्तर हिन्दी की उत्तर पुस्तिका में लिखिए।**2 कार्य स्वच्छ शुद्ध एवं स्पष्ट लेख में कीजिए।**

प्रश्न 1 निम्नलिखित गद्यांश पर आधारित प्रश्नों के उत्तर निर्देश के अनुसार दीजिए: (1×5=5)

पढ़ना मनुष्य के जीवन का सबसे महत्त्वपूर्ण साधन है। यह केवल ज्ञान प्राप्ति का माध्यम नहीं बल्कि विचारों को गहराई देने और दृष्टिकोण को व्यापक बनाने का साधन भी है। जब हम किसी पुस्तक, लेख या समाचार पत्र को पढ़ते हैं, तो हम केवल शब्दों को नहीं देखते, बल्कि उन शब्दों के पीछे छिपे विचारों और अनुभवों को आत्मसात करते हैं। यही कारण है कि पढ़ना व्यक्ति को मानसिक रूप से समृद्ध बनाता है। पठन से व्यक्ति की भाषा पर पकड़ मजबूत होती है। शब्दों का भंडार बढ़ता है और अभिव्यक्ति की क्षमता विकसित होती है। एक अच्छा पाठक न केवल दूसरों के विचारों को समझता है, बल्कि अपने विचारों को भी स्पष्ट रूप से व्यक्त कर सकता है। यही कारण है कि शिक्षा में पठन को अत्यधिक महत्त्व दिया जाता है। पठन का एक और लाभ यह है कि यह व्यक्ति को संवेदनशील बनाता है। जब हम किसी उपन्यास या कहानी को पढ़ते हैं, तो पात्रों के सुख-दुःख से जुड़ जाते हैं। इससे हमारे भीतर सहानुभूति और करुणा का भाव उत्पन्न होता है। यही भाव सामाजिक जीवन को संतुलित और सामंजस्यपूर्ण बनाते हैं।

(i) पठन से व्यक्ति को सबसे बड़ा लाभ क्या होता है?

- (क) मनोरंजन
- (ख) भाषा पर पकड़ और विचारों की गहराई
- (ग) यात्रा का अनुभव
- (घ) खेलकूद में रुचि

(ii) डिजिटल माध्यमों से पठन पर कौन-सा प्रभाव पड़ा है?

- (क) पुस्तकालयों की संख्या बढ़ गई
- (ख) गहन अध्ययन की आदत कम हो गई
- (ग) सहानुभूति का भाव बढ़ गया
- (घ) भाषा का विकास हुआ

(iii) निम्नलिखित कथन (A) तथा कारण (R) को ध्यानपूर्वक पढ़िए तथा दिए गए विकल्पों में से कोई एक सही विकल्प चुनकर लिखिए।

कथन (A) पठन का एक और लाभ यह है कि यह व्यक्ति को संवेदनशील बनाता है**कारण (R)** पढ़ना मनुष्य के जीवन का सबसे महत्त्वपूर्ण साधन है।

1 कथन (A) तथा कारण (R) दोनों गलत हैं।

2 कथन (A) गलत है परन्तु कारण (R) सही है।

Std. XI Worksheet 1

3 कथन (A) सही है परन्तु कारण (R) गलत व्याख्या करता है।

4 कथन (A) सही है और कारण (R) कथन की सही व्याख्या करता है।

(iv) पठन से भाषा और अभिव्यक्ति की क्षमता कैसे विकसित होती है?

(v) पठन को आत्म-विकास का साधन क्यों कहा जाता है?

प्रश्न 2 आप राजकीय प्रतिभा विकास विद्यालय में हिंदी के शिक्षक हैं और जवाहर लाल नेहरू विश्वविद्यालय से एम.फिल करना चाहते हैं। विभाग से एम.फिल करने की अनुमति प्राप्त करने के लिए पत्र लिखिए।

(5×1=5)

प्रश्न 3 मुख्य टिप्पण (नोटिंग) किसे कहते हैं?

(2×2=4)

प्रश्न 4 फीडबैक किसे कहते हैं? संचार-प्रक्रिया की सफलता में फीडबैक की क्या भूमिका होती है?

निम्नलिखित प्रश्नों के उत्तर दीजिए :

(1½×4=6)

प्रश्न 5 वंशीधर के पिता ने वंशीधर को नौकरी पर जाने से पहले किन बातों को गिरह में बाँधने की सीख दी?

प्रश्न 6 कविता में पानी गिरने का क्या अर्थ है? और पानी गिरने का क्या परिणाम होता है?

प्रश्न 7 कबीर ने स्वयं को दीवाना क्यों कहा है?

प्रश्न 8 सांसारिक मोह में फँसे लोगों को देखकर मीरा क्या करती है?

प्रश्न 9 लेखक ने लता की गायकी की किन विशेषताओं को उजागर किया है? आपको लता की गायकी में कौन-सी विशेषताएँ नज़र आती हैं? उदाहरण सहित बताइए।

(1×1=1)

प्रश्न 10 परियोजना कार्य : अपने विद्यालय के विभिन्न प्रकार के समाचारों को दर्शाते हुए एक 4 पृष्ठों का समाचार पत्र A4 शीट की सहायता से बनाइए।

(4×1=4)

No. of questions: 10

M.M. 25

Q.1) Choose the correct option:

(1×3)

a) if $a + ib = c + id$, then which of the following is true?

i) $a^2 + c^2 = 0$

ii) $b^2 + c^2 = 0$

iii) $b^2 + d^2 = 0$

iv) $a^2 + b^2 = c^2 + d^2$

b) The conjugate of a complex number is $\frac{1}{i-1}$. What is the complex number?

i) $\frac{-1}{i+1}$

ii) $\frac{1}{i-1}$

iii) $\frac{-1}{i-1}$

iv) $\frac{1}{i+1}$

c) What is the least positive integer n such that $(\frac{2i}{1+i})^n$ is a positive integer?

i) 16

ii) 8

iii) 4

iv) 2

Q.2) Find the domain and range of the real function $f(x) = \frac{1}{1-x^2}$. (2)Q.3) Let $f = \{(x, \frac{x^2}{1+x^2}) : x \in \mathbb{R}\}$ be a function from \mathbb{R} into \mathbb{R} . Find its range. (2)

Q.4) Prove that for any three sets A, B, and C: (2)

$$A - (B \cup C) = (A - B) \cap (A - C)$$

Q.5) A, B and C are subsets of universal set U. If $A = \{2, 4, 6, 8, 12, 20\}$, $B = \{3, 6, 9, 12, 15\}$, $C = \{5, 10, 15, 20\}$ and $U =$ set of whole numbers, draw a Venn diagram showing the relation of U, A, B and C.

(2)

Q.6) Show that $\sin 32^\circ \cos 28^\circ + \cos 32^\circ \sin 28^\circ = \frac{\sqrt{3}}{2}$. (2)Q.7) Find $\sin 15^\circ \cos 15^\circ$. (3)

Q.8) Draw the graph of signum function and write its domain and range. (3)

Q.9) Find the value of $\tan 22^\circ 30'$. (3)Q.10) If θ lies in the first quadrant and $\cos \theta = 8/17$, find the value of $\cos(30^\circ + \theta) + \cos(45^\circ - \theta) + \cos(120^\circ - \theta)$. (3)

Subject: Physics

No. of questions: 10

M.M. 25

Instructions: Neatly write all the answers in your Physics note book.

Attempt the questions keeping in mind the weightage of each question.

Q1. Rule out or accept the following for kinetic energy on the basis of dimensional arguments:

$$(i) K.E = \frac{3}{16} mv^2 \qquad (ii) K.E = \frac{1}{2} mv^2 + ma \qquad (2)$$

Q2. Magnitude of force F experienced by a certain object moving with speed v is given by $F = Kv^2$ where K is a constant. Find the dimensions of K . (2)**Q3. (i)** The dimensions of kinetic energy is (2)

$$(a) [M^2L^2T] \qquad (b) [ML^2T] \qquad (c) [ML^2T^{-2}] \qquad (d) [ML^2T^{-1}]$$

(ii) A force F is given by $F = at + bt^2$, where t is time. What are the dimensions of a and b ?

$$(a) MLT^{-1} \text{ and } MLT^0 \qquad (b) MLT^{-3} \text{ and } ML^2T^4$$

$$(c) MLT^{-4} \text{ and } MLT^1 \qquad (d) MLT^{-3} \text{ and } MLT^{-4}$$

Q4. (i) Name two quantities with (a) same dimensions (b) constant value but having dimension. (2)**Q5** If E , m , l and G denote energy, mass, angular momentum and gravitational constant respectively.Determine the dimensions of EL^2 / m^5G^2 . (Given : Angular momentum is equal to mvr where m is mass, v is velocity and r is radius) (2)**Q6.** The kinetic energy K of a rotating body depends on its moment of inertia I and its angular speed ω . Considering the relation to be $K = kI^a\omega^b$ where k is dimensionless constant. Find a and b . (Given : Moment of Inertia of a sphere about its diameter is $(2/5)Mr^2$) (3)**Q7.** The time of oscillation t of a small drop of liquid under surface tension depends upon the density ρ , radius r and surface tension σ . Show dimensionally that: $t = \sqrt{(\rho r^3/\sigma)}$ (3)**Q8.** The centripetal force (F) acting on a particle (moving uniformly in a circle) depends on the mass (m) of the particle, its velocity (v) and radius (r) of the circle. Derive dimensionally formula for force (F). (3)**Q9.** The frequency ' f ' of vibration of a stretched string depends upon:

$$(i) \text{ its length } 'l' \qquad (ii) \text{ the mass per unit length } 'm'$$

$$(iii) \text{ the Tension } 'T' \text{ in the string Obtain dimensionally an expression for frequency } 'f' \qquad (3)$$

Std. XI Worksheet 1

Q10. In electromagnetic theory, two constants are fundamental: the permeability of free space (μ_0) and the permittivity of free space (ϵ_0). Their dimensions are:

$$[\mu_0] = [M^1 L^1 T^{-2} A^{-2}]$$

$$[\epsilon_0] = [M^{-1} L^{-3} T^4 A^2]$$

(i) Show that the combination $\frac{1}{\sqrt{\epsilon_0 \mu_0}}$ has the dimensions of **Velocity**.

(ii) What is the profound physical significance of this specific velocity in the universe? (3)

Research project:

SPACE PROGRAMMES

The space research activities were initiated in India during the early 1960's, when applications using satellites were in experimental stages even in the United States. With the live transmission of Tokyo Olympic Games across the Pacific by the American Satellite 'Syncom-3' demonstrating the power of communication satellites, Dr. Vikram Sarabhai, the founding father of Indian space programme, quickly recognized the benefits of space technologies for India.

As a first step, the Department of Atomic Energy formed the INCOSPAR (Indian National Committee for Space Research) under the leadership of Dr. Sarabhai and Dr. Ramanathan in 1962. The Indian Space Research Organisation (ISRO) was later formed on August 15, 1969. The prime objective of ISRO is to develop space technology and its application to various national needs. It is one of the six largest space agencies in the world. The Department of Space (DOS) and the Space Commission were set up in 1972 and ISRO was brought under DOS on June 1, 1972.

Std. XI Worksheet 1

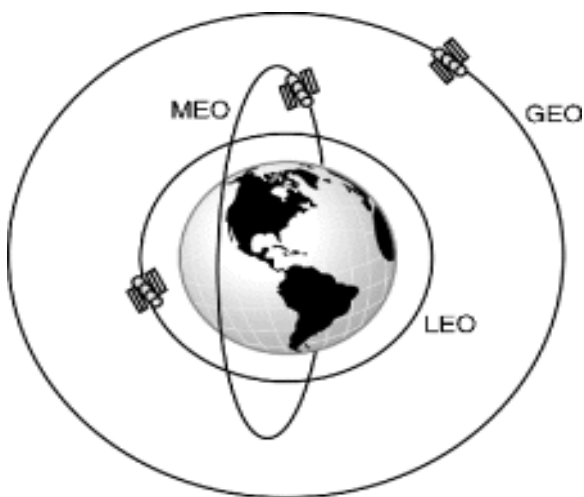
Research and find information to answer following questions :

Q1. Who is the chief of ISRO?

Q2. Write a short note about Mars Orbiter Mission (MOM) .

Q3. Refer to the figure given below and research to fill in the following table :

Type of satellite orbit	Full Form	Height	Application/use
LEO			
MEO			
GEO			



Subject: Chemistry

No. of questions: 10

M.M. 25

Section A: Multiple Choice Questions

(1x2=2)

- The number of significant figures in 0.0050 is:
(a) 4 (b) 2 (c) 1 (d) 3
- Which of the following is a unitless quantity?
(a) Molarity (b) Molality (c) Mole fraction (d) Density

Section B: Very Short Answer Questions

(2x3=6)

- State the Law of Multiple Proportions with one example.
- Convert 25 °C into Fahrenheit and Kelvin scales.
- Define 'limiting reagent' with an example.

Section C: Short Answer Questions

- Calculate the molecular mass of glucose ($C_6H_{12}O_6$) and urea (NH_2CONH_2). (3)
- A compound contains 4.07 % hydrogen, 24.27% carbon, and 71.65% chlorine. Its molar mass is 98.96 g. Determine its empirical formula. (3)
- How many moles of nitrogen are required to produce 82 g of ammonia via Haber's process? (3)
- (a) Define Molarity and Molality. Why is Molality preferred over Molarity in laboratory conditions? (2)
(b) Calculate the molarity of NaOH in the solution prepared by dissolving 4 g in enough water to form 250 mL of the solution. (1)

Section D: Long Answer Question

(5)

- State Dalton's Atomic Theory. Which law of chemical combination is an immediate consequence of this theory? Discuss one limitation of the theory.

Subject: Computer Science

No. of questions: 10

M.M. 25

Answer the following:

Q1. Following variable definition is creating problem.

X = 0281, find reason and correct the declaration. (2)

Q2. What would the following code do: (2)

X= Y= 7?

Q3. Draw decision tree for grade calculation as per : (2)

Marks	>90	80-90	70-80	60-70	50-60	40-50	<40
Grade	A1	A2	B1	B2	C1	C2	F

Q4. Two objects (say a and b) when compared using ==, return True. But Python gives False when compared using is operator. Why (i.e, a == b is True but why is a is b False?) (2)

Q5. Differentiate between (555/222) ** 2 and (555.0/222) **2. (2)

Q6. Given three Boolean variables a, b, c as : a= False , b = True , c = False. Evaluate the following

Boolean expressions: (3)

(a)b and c

(b)b or c

(c)not a and b

(d)(a and b)or not c

(e)not b and not (a or c)

(f)not ((not b or not a)and c)or a

Q7. A student stores marks in variables as shown below:

eng = 78

math = 85

science = 92

Answer the following: (3)

a) Write an expression to calculate total marks.

b) Write an expression to calculate average marks.

c) Predict the output: print((eng + math + science) / 3)

Std. XI Worksheet 1

Q8. Find the error(s) and rewrite the correct code: (3)

(a) `city = "Delhi"`

`print(city)`

`city[1] = 'A'`

`print(city)`

(b) `x = bool(5)`

`y = bool(0)`

`print(x == true)`

`print(y == false)`

(c) `num = "25"`

`print(type(num))`

`print(type(int(num)))`

`print(type(int("twenty five")))`

Q9. Predict the output if the user enters False: (3)

`a = False`

`b = 10 > 3`

`print(a == b)`

`print(a is b)`

`c = str(a)`

`d = str(b)`

`print(c == d)`

`print(c is d)`

`e = input("Enter : ")`

`print(c == e)`

`print(c is e)`

Q10. Given a string: (3)

`s = "56789"`

Write an expression to find the sum of all digits present in the string.

The output should be: 35

Subject: Biology

No. of questions: 10

M.M. 25

- Q1. What is the difference between defining and non-defining features of living organisms? Give one example of each. (1)
- Q2. Why are viruses not included in the five-kingdom classification system proposed by R.H. Whittaker? (1)
- Q3. Differentiate between Liverworts and Mosses. (2)
- Q4. Define 'Alternation of Generation' in plant life cycles. (2)
- Q5. Distinguish between Chordates and Non-Chordates based on the nerve cord. (2)
- Q6. Explain the significance of nomenclature and write the rules. (3)
- Q7. Describe the salient features of Kingdom Monera and mention two examples of chemosynthetic bacteria. (3)

Q8. Read the passage and answer the following questions:

The five-kingdom classification system is based on complexity of cell structure, mode of nutrition, and phylogenetic relationships. Among the eukaryotes, organisms like *Amoeba* and *Paramecium* are placed in Protista because they are unicellular, while fungi are placed separately due to their heterotrophic, absorptive nutrition.

1. Why are fungi considered different from plants? (1)
2. What is the main criterion for placing protists in a separate kingdom? (1)
3. Name one organism that is a photosynthetic autotroph but also behaves as a heterotroph in the absence of light. (1)
4. Why are Monerans considered the most primitive group? (1)

Q9. Read the passage and answer the following questions:

Bryophytes are called "amphibians of the plant kingdom" because they live in soil but depend on water for sexual reproduction. They differ from pteridophytes because they lack true vascular tissues and have a dominant gametophytic phase, whereas pteridophytes possess vascular tissues (xylem and phloem) and have a dominant sporophytic phase.

1. Why are bryophytes dependent on water for reproduction? (1)
2. Name the male and female sex organs in bryophytes. (1)

Q10. What is taxonomic hierarchy? List the seven obligate categories in ascending order. Explain the concept of 'Species' and 'Genus' with examples. (5)

Subject: Legal Studies

No. of questions: 10

M.M. 25

General Instructions:

1. Please answer all questions in the Legal Studies Notebook
2. Please give valid justifications for your answers. Marks shall be awarded not merely on the basis of the correctness of the answer, but also on the clarity and strength of the reasoning provided in support of the answers.

- Q1. Imagine that a group of roughly 5,000 people settle on a newly discovered island. This group has people, land, and a leader, but they have no international recognition. Can this island ever become a “State” in the complete legal sense? Examine all the essential elements of a State and identify what is missing. (2)
- Q2. There is a country which claims to be democratic, but there is only one leader who controls courts, elections, media, and law-making. Identify the form of this government and offer two reasons for your answer. (2)
- Q3. Which event best explains Direct Democracy and Representative/Indirect Democracy:
(i) students vote directly on every school rule;
(ii) students elect a School Leader who makes rules on their behalf. (2)
- Q4. What constitutes ‘State’ under Article 12 of the Constitution of India? (2)
- Q5. ‘Changing the government means that the State no longer exists’. Is this statement correct? Explain the differences between State and government. (2)
- Q6. Would you consider the judiciary (Supreme Court, High Court, or subordinate courts) to be ‘State’ under Article 12 of the Constitution of India? Give reasons for your answer. (3)
- Q7. Explain the Patriarchal and Matriarchal Theories on the origin of State. Would you say that the Matriarchal Theory is unusual or just less common? Give reasons for your answer. (3)
- Q8. Do you think social media has made democracy stronger or weaker? Answer using concepts like: public participation, accountability, misinformation, and representation. (3)
- Q9. The Parliament is not in session. Suddenly, a dangerous virus spreads across the country and immediate enactment of necessary laws becomes the need of the hour. Please explain which power, if any, can the government use to make such laws when the Parliament is not in session? Also explain who shall exercise this power. Thereafter, please explain if this power would be temporary, and, if yes, why? (3)
- Q10. Political theorists who advocate for a minimal role of State often believe that the State which governs the least is the best. Would you agree with this statement? Give reasons for your answer. (3)

Subject: Business Studies

General Instructions:

- 1) The work should be done neatly and systematically.
- 2) The given questions are to be done in the school notebook.
- 3) Attempt all questions.

Project Work:

Objectives:

- i) To inculcate a spirit of inquiry and research.
- ii) To develop skills of analysis and critical thinking
- iii) To develop an understanding of the changes taking place in business environment.

Activity:

1. A traditional clothing retailer notices that many customers now compare prices online before visiting stores. To remain competitive, the retailer lists products on online marketplaces and starts receiving orders from customers outside the city.

How have e-commerce platforms transformed retail trade and business practices in India?

Collect the information and present it in a file.

2. A neighbourhood stationery shop that earlier accepted only cash payments has now started using QR code payment systems like UPI. The shopkeeper observes faster transactions, reduced cash handling, and an increase in customers who prefer digital payments.

How has the adoption of UPI and digital payment systems influenced the functioning, customer reach, and profitability of small businesses in India?

Collect the information and present it in a file.

No. of questions: 10

M.M: 25

Q.1 Aryan transports coal from mines to factories. He removes the hindrance of place. Which auxiliary to trade is he performing? (1)

- a) Insurance
- b) Transport
- c) Advertising
- d) Warehousing

Std. XI Worksheet 1

- Q.2 "Swaraj Ltd." has perpetual succession. If all shareholders die in a meeting due to a bomb blast, the company: (1)
- a) Comes to an end
 - b) Continues to exist
 - c) Becomes a partnership
 - d) Is liquidated
- Q.3 Megha wants to start a business with full control and no profit-sharing. Which form should she choose? (1)
- a) Partnership
 - b) HJF
 - c) Sole Proprietorship
 - d) Cooperative Society
- Q.4 A group of consumers opens a store to eliminate middlemen. This is a: (1)
- a) Producer Cooperative
 - b) Credit Cooperative
 - c) Consumer Cooperative
 - d) Marketing Cooperative
- Q.5 In a Joint Hindu Family business, Rohan is 2 days old but has equal ownership rights. This is due to: (1)
- a) Agreement
 - b) Birth in the family
 - c) Contract
 - d) Registration
- Q.6 Mr. X is a doctor in a government hospital. Mr. Y runs a private clinic. Mr. Z sells medicines. Identify which of them is in a Profession and which is in Business. Justify. (3)
- Q.7 "The liability of a Karta is a double-edged sword." Explain this statement with respect to the burden of risk and power of decision-making. (3)
- Q.8 Below are four situations. Classify them as Natural, Human, or Economic causes of business risk and suggest one way to mitigate each: (4)
- (i) A change in consumer preference toward organic food.
 - (ii) An earthquake damaging the factory chimney.
 - (iii) A cashier skimming cash from the register.
 - (iv) An increase in the GST rate by the government.

Std. XI Worksheet 1

Q.9 Compare the status of a minor in a Hindu joint family business with that in a partnership firm. (4)

Q.10 You are tasked with advising a group of 10 young engineers who want to start a large-scale EV battery manufacturing plant. They need massive capital and want limited liability.

Suggest the most suitable form of business. Compare this form with a Partnership on four grounds to justify your choice. (6)

Subject: Accountancy

General Instructions:

- 1) The work should be done neatly and systematically.
- 2) The given questions are to be done in the School Notebook.
- 3) Attempt all questions.

Project work:

Objectives:

- i) To develop an understanding of real life situations
- ii) To develop competence of reading, analyze and interpret the accounting data of the enterprise
- iii) To develop critical thinking and management skills

Activity:

- 1 Find out the different types of bills used by business enterprise.
2. Impact of Rising Crude Oil Prices and the Hormuz Blockade on India's Economy and Profitability of Oil Companies"

Assignment:

1. Collect the different bills, analyze it and make vouchers out of it.
2. Collect the information related to the activities mentioned above and present it in a file.

No. of questions:10

M.M:25

Q.1 An IT infrastructure firm spent ₹8,50,000 developing a customized software interface for a client.

The firm's management wants to record this entire amount as an asset right away. However, the external auditor points out that because the future financial benefits cannot be measured with certainty yet, standard accounting rules do not permit it to be shown as a fixed asset. Which combination below supports the auditor's view? (1)

- a) Comparability; Current Asset
- b) Relevance; Deferred Revenue Expenditure
- c) Reliability and Prudence; Asset criteria requiring certain economic benefits
- d) Materiality; Capital Expenditure

Std. XI Worksheet 1

Q2. Zenith Retail Agency signs a contract in December 2025 to supply custom corporate merchandise to a client. The goods are manufactured and dispatched in February 2026. The client formally accepts the consignment and takes ownership in March 2026. Zenith finally receives the cash payment in April 2026. Under the Accrual Basis of accounting, in which month must Zenith recognize the revenue? (1)

- a) December 2025
- b) February 2026
- c) March 2026
- d) April 2026

Q.3 A clothing start-up buys organic yarn on credit from a vendor for ₹2,50,000. Before making the payment, a sudden accident damages 20% of this specific stock in the warehouse. The items are not insured. What impact does this scenario have on accounting equation components? (1)

- a) Assets decrease by ₹50,000; Liabilities remain unchanged; Capital decreases by ₹50,000.
- b) Assets increase by ₹2,00,000; Liabilities increase by ₹2,50,000; Capital decreases by ₹50,000.
- c) Assets remain unchanged; Liabilities decrease by ₹50,000; Capital decreases by ₹50,000.
- d) Assets decrease by ₹2,50,000; Liabilities decrease by ₹2,50,000; Capital remains unchanged.

Q.4 Ram is an accountant of Garima Pvt. Ltd. He always follows the Accounting Principles and Accounting Standards in preparation of financial statements. The primary qualities that make accounting information useful for decision making by following accounting principles and accounting standards are: (1)

- a) Relevance and free from bias.
- b) Reliability and comparability.
- c) Comparability and consistency.
- d) All of the above

Q.5 Mr. Kapoor owns an automobile dealership. He withdraws ₹1,80,000 from the business bank account to pay his daughter's college tuition fees. He instructs his accountant to record this transaction under "General Business Development Expenses" to reduce the business's taxable profit. Which fundamental accounting concept does this instruction directly violate? (1)

- a) Matching Principle
- b) Business Entity Principle
- c) Full Disclosure Principle

Std. XI Worksheet 1

d) Dual Aspect Principle

Q.6 A legal consultancy firm employs three highly experienced senior lawyers whose reputation and strategy bring in 70% of the firm's total annual clients. During the year-end closing, the Managing Partner requests the accountant to value these three lawyers at ₹50 Lakhs each and record them on the asset side of the Balance Sheet to show the firm's true worth. Explain whether the accountant is correct. Mention the appropriate accounting concept. (3)

Q.7 A firm incurs marketing expenses of ₹3,00,000 in Year 1, but the corresponding customer contracts are completed and paid for entirely in Year 2. Examine how it will be recorded as per Cash Basis accounting and Accrual Basis accounting. Explain which basis avoids a distorted view of performance. (3)

Q.8 You are an internal reviewer examining the financial records of "Vedic Wellness Ventures." Review the following treatments executed by the accounting staff and state whether they are Correct or Incorrect. Explain the concerned principle: (4)

(i) A pending legal lawsuit filed against the company demanding ₹12,00,000 for a contract dispute has been recorded as a fixed current liability because the legal team believes there is a moderate chance they might lose.

(ii) A batch of minor office equipment (staplers, paper cutters, files) bought for ₹3,500 is recorded as a fixed asset and will be depreciated systematically over a 5-year life cycle.

Q.9 State which of the following transactions are Capital Expenditure or Revenue Expenditure for a furniture business. (4)

- a) Purchasing an item of furniture for use in the business
- b) Bought some furniture for reselling.
- c) Paid salaries to staff
- d) Paid for insurance premium of business building
- e) Electricity Bill paid
- f) Computer purchased for office use
- g) Installed an AC in the office
- h) Loading Van purchased for delivery of furniture to customers

Std. XI Worksheet 1

Q.10 Show the accounting equation on the basis of the following transactions: (6)

1. The founder launched the business by contributing Cash of ₹4,00,000, Computer hardware worth ₹6,50,000, and a delivery vehicle valued at ₹3,50,000.
2. The firm rented an office space and paid a refundable security deposit of ₹1,20,000 via bank transfer.
3. Purchased technical inventory stock from a supplier for a total value of ₹1,80,000, paying 30% immediately via bank transfer, with the balance on credit.
4. Sold 60% of the total technical inventory stock to a corporate client for a total billing value of ₹1,65,000 on credit terms.
5. Settled the outstanding credit balance with the supplier in full by making a final bank payment of ₹1,23,000.
6. Paid salary to technical staff amounting to ₹45,000, out of which ₹5,000 was paid in advance for the upcoming month. Simultaneously, office electricity bills worth ₹8,000 remain outstanding and unpaid.

Subject: Economics

No. of questions: 10

M.M. 25

- Q1. Evaluate the impact of production decisions on different sections of society. Who benefits from the allocation of resources in an economy, and how do producers decide whom to serve? (2)
- Q2. Apply the concept of opportunity cost to decision-making. A business has ₹10,000 to invest either in machinery or employee training. How should it analyse its choice using opportunity cost? Provide a numerical example. (2)
- Q3. Analyse the shape of a Production Possibility Curve (PPC) using economic reasoning. Why does increasing the production of one good require sacrificing increasingly larger amounts of another? (2)
- Q4. Illustrate the concept of production possibility frontier in economic decision-making. How does a country's available resources determine its productive potential? (2)
- Q5. Interpret different economic situations using graphical representation. Draw a PPC and mark:
- Underutilization of resources
 - Full employment of resources
 - Economic growth
- Explain the significance of each situation. (2)
- Q6. Assess the trade-offs involved in choosing products for production. What factors influence the selection of goods in an economy, and how do different sectors compete for resources? (3)
- Q7. Differentiate economic systems based on resource allocation and decision-making. How do planned economies and market economies approach production, distribution, and consumption differently? (3)
- Q8. Evaluate the impact of unemployment on an economy's productive capacity. If massive unemployment occurs, what happens to the PPC, and how does it reflect changes in efficiency? (3)
- Q9. Distinguish between normative and positive economics using real-world examples. How does normative economics shape policy decisions, and can you provide an example where it has influenced government action? (3)

Std. XI Worksheet 1

Q10. You need to plan and budget a meal for a family of four within a certain budget constraint. You need to research food prices, plan a balanced meal, and calculate the total cost while considering factors like nutrition, taste, and dietary restrictions. You need to document your cooking process with photos or videos and reflect on the economic principles involved, such as scarcity, opportunity cost, and consumer choice. (3)

Project Work

- a) Make a project on OPEC. Follow the instructions given below

Guidelines for Project Work in Economics (Class XI) The objectives of the project work are to enable learners to:

- probe deeper into theoretical concepts learnt in classes XI
- analyse and evaluate real world economic scenarios using theoretical constructs and arguments
- demonstrate the learning of economic theory
- follow up aspects of economics in which learners have interest
- develop the communication skills to argue logically

The expectations of the project work are that:

- learners will complete Two projects
- project should be of 3,500-4,000 words (excluding diagrams & graphs), preferably hand-written
- it will be an independent, self-directed piece of study.

Scope of the project: Learners may work upon the following lines as a suggested flow chart: Choose a title/topic Collection of the research material/data Organization of material/data Present material/data Analysing the material/data for conclusion Draw the relevant conclusion Presentation of the Project Work

11

Expected Checklist:

- Introduction of topic/title
- Identifying the causes, consequences and/or remedies
- Various stakeholders and effect on each of them
- Advantages and disadvantages of situations or issues identified
- Short-term and long-term implications of economic strategies suggested in the course of research
- Validity, reliability, appropriateness and relevance of data used for research work and for presentation in the project file
- Presentation and writing that is succinct and coherent in project file
- Citation of the materials referred to, in the file in footnotes, resources section, bibliography etc.

Subject: History

M.M. 25

No. of questions: 10

General Instructions:

- All questions are compulsory.
- Answer the questions in sequence.
- Marks are indicated against each question.
- Answers should be written according to the CBSE prescribed word limit.

Q1. The region of Mesopotamia is bounded by which two major river networks? (1)

- (A) Nile and Congo
- (B) Indus and Ganges
- (C) Tigris and Euphrates
- (D) Danube and Rhine

Q2. The Greek word 'potamos' explicitly means which of the following? (1)

- (A) Land
- (B) River
- (C) Mountain
- (D) Desert

Q3. Which script was developed by the ancient Mesopotamians, composed of unique wedge-shaped symbols? (1)

- (A) Hieroglyphics
- (B) Cuneiform
- (C) Phoenician
- (D) Brahmi

Q4. Name the city in southern Mesopotamia that was celebrated as an early 'temple town' and excavated extensively. (1)

- (A) Nineveh
- (B) Babylon
- (C) Uruk
- (D) Nimrud

Q5. What unique technological tool enabled the rapid mass production of identical pottery pieces in early urban economies? (1)

- (A) Bronze chisel
- (B) Potter's wheel
- (C) Lever loom
- (D) Smelting furnace

Std. XI Worksheet 1

Q6. State three primary geographical features of Mesopotamia, highlighting why the south became the cradle of urbanization. (3)

Q7. "The development of writing was not just for recording language, but was deeply tied to city life." Justify this statement with three distinct uses of cuneiform writing. (3)

Q8. Explain the dual role (religious and economic) played by temples as urban institutions in early Mesopotamian settlements. (3)

Q9. Describe the domestic layout and conditions of the residential streets in the ancient city of Ur. (3)

Q10. Discuss the significance of urbanism in Mesopotamia. Why did urban centers require distinct social organizations, specialized labor networks, and efficient transportation systems to thrive? (8)

PROJECT WORK

M.M: 20

OBJECTIVES

- To develop skill to gather data from a variety of sources, investigate diverse view points and arrive at logical deductions.
- To develop skill to comprehend, analyse, interpret, evaluate historical evidence, and understand the limitation of historical evidence.
- To develop 21st century managerial skills of co-ordination, self-direction, and time management.
- To learn to work on diverse cultures, races, religions, and lifestyles.
- To learn through constructivism-a theory based on observation and scientific study.
- To inculcate a spirit of inquiry and research.
- To communicate data in the most appropriate form using a variety of techniques.
- To provide greater opportunity for interaction and exploration.
- To understand contemporary issues in context to our past.
- To develop a global perspective and an international outlook.
- To grow into caring, sensitive individuals capable of making informed, intelligent, and independent choices.
- To develop lasting interest in history discipline.

Std. XI Worksheet 1

TOPICS

1. Facets of the Industrialization in sixteenth- eighteenth centuries.
2. Ancient History in depth: Mesopotamia
3. Greek Philosophy and City States
4. Contributions of Roman Civilization
5. The spirit of Renaissance: Manifestation in art; Literature; Sculpture; Influence on Trading Community; Social Fabric; Philosophy; Political Values; Rational Thinking; Existentialism
6. Aspects of Development -South American States /Central American States
7. Different schools of thoughts- Realism: Humanism: Romanticism
8. Piecing together the past of Genghis Khan
9. Myriad Realms of Slavery in ancient, medieval, and modern world
10. History of Aborigines – America /Australia
11. Facets of Modernization – China /Japan/Korea

Subject: Political Science

Objective: - To enable the students to know about the inventions of new concepts in world politics and constitution of India.

- To develop 21st century managerial skills of co-ordination, self-direction and time management.
- To understand contemporary political issues in context to our past.

To develop a global perspective and an international outlook

Research Activity:-

a) Do a comparative study of the contemporary Constitutional provision of different countries regarding developments against corruption. Describe the positive changes in these constitutions regarding corruption in the last decade.

b) Do research and make a PPT on those provisions/amendments of the constitution of India, which have been adopted to **control terrorism or anti-national movements** and compare these developments with the developments of other constitutions of the world.

Project Work (Anyone topic):-

- ‘Health Epidemic in India- A Threat to Sustainable Economic Development’.
- Is Democracy the Best Form of Government?
- Liberty vs Security in Modern Society
- Equality in Indian Society: Myth or Reality?
- Rights and Responsibilities of Citizens
- Political Impact of Social Media
- Freedom of Speech in the Digital Age
- Nationalism in Contemporary India
- Role of Youth in Democracy
- Political Awareness Among School Students
- Fake News and Public Opinion
- Human Rights and Their Importance
- Can Technology Strengthen Democracy?
- Gender Equality and Political Participation
- Political Leadership and Qualities of a Good Leader
- Secularism in India
- Political impact on Indian legislature.
- Various media platforms used during political campaigns.

Std. XI Worksheet 1

No. of questions: 10

M.M.-25

- Q.1 What is Political Theory? (1)
- Q.2 What is meant by Freedom? (1)
- Q.3 What do you understand by inequality in India? (1)
- Q.4 What is politics? (2)
- Q.5 Do you agree with the view that citizens in a democracy have to be especially vigilant? Give reasons for our answer. (2)
- Q.6 What is the value of the freedom of speech and expression? Can restrictions be imposed on this freedom? (2)
- Q.7 Name any two ways in which Equality could be promoted. (2)
- Q.8 Discuss the utility of the study of Political Theory with reference to the following:
i) Relevant to solving our Problems in life.
ii) Politics is essentially the Art of the Possible (4)
- Q.9 Explain the Negative and Positive conceptions of liberty. What is the main difference between the two? (4)
- Q.10 What is meant by Affirmative Action? What are the main criticisms against Affirmative Action? (6)

Subject: Psychology

No. of questions: 10

M.M. 25

Q1. A psychologist studies how social media trends influence teenagers' self-esteem and identity formation. Which branch of psychology is primarily involved? (1)

- a) Social psychology
- b) Environmental
- c) Clinical psychology
- d) Cognitive psychology

Case Study

A multidisciplinary research team is investigating the increasing levels of stress, poor academic performance, social withdrawal, and sleep disturbances among adolescents in urban schools. One psychologist studies how peer pressure and social media interactions influence students' self-esteem. Another specialist examines hormonal changes and brain functioning related to stress. A third expert designs therapeutic interventions for students showing symptoms of severe anxiety. Meanwhile, one researcher focuses on improving classroom learning strategies by studying memory retention and problem-solving abilities. The school administration aims to use these findings to improve student wellbeing, academic outcomes, and emotional resilience.

Q2. Which branch of psychology is most likely involved in therapeutic treatment of severe anxiety disorders? (1)

Q3. Which branch would primarily improve memory, learning, and problem-solving in classroom settings? (1)

Q4. How does the cognitive psychologist's work help improve academic outcomes in this study? (2)

Q5. Evaluate why relying on only one branch of psychology may provide an incomplete understanding of adolescent behavioural problems. (2)

Q6. "Psychology helps and understanding behaviour, but predicting human behaviour accurately is difficult." Evaluate this statement with suitable examples. (3)

Q7. Explain the various applications of psychology in everyday life with suitable examples. (3)

Q8. Describe any four major branches of psychology and their focus areas. (4)

Q9. A school wants to improve students' learning, emotional wellbeing, and social adjustment. For this, teachers work with psychologists, sociologists, and educators to better understand students' behaviour in relation to their environment, society, and learning processes. Explain how psychology is related to other disciplines in understanding and solving student-related problems. (4)

Std. XI Worksheet 1

Q10. Describe the development of psychology in India.

(4)

Activity 1: “Psychology in My Daily Life”

Observe your daily routine and identify a few situations where psychology plays a role.

Project Work

You are required to prepare two separate files for your Psychology project work:

1. Project File

Students must undertake one project/small study using different methods of psychological enquiry such as:

- Observation
- Survey
- Interview
- Questionnaire

You may choose a relevant topic related to Class XI Psychology Syllabus.

2. Experimental File

Students are required to prepare a separate file containing four psychology experiments that will be conducted in class.

Sequence to write Psychological Test

1. Title
2. Aim
3. Introduction
4. Hypothesis
5. Material Required
6. Preliminaries
7. Design
8. Precautions
9. Rapport Formation
10. Instructions
11. Behaviour Report
12. Interpretation
13. Result
14. Conclusion

Instructions:

- Maintain neatness and proper presentation.
- Use creative cover pages and proper headings.
- Submit both files on time after the holidays.

Subject: Physical Education

No. of questions: 10

M.M. 25

Chapters: 1. Changing Trends & Career in Physical Education, 2. Olympic Value Education, 3. Yoga

1. Define Physical Education. (2)
2. Write any four career options in Physical Education. (2)
3. Explain any two types of Yoga. (2)
4. Write a short note on the Ancient Olympic Games. (2)
5. Explain the motto of the Olympics. (2)
6. Explain the objectives of Physical Education. (3)
7. What do you mean by Olympic Values? Explain any three values. (3)
8. What is Yoga? Write its importance in daily life. (3)
9. Write the procedure and benefits of Tadasana. (3)
10. Draw the Olympic Flag and explain its colours. (3)

Subject: Home Science

No. of questions: 10

M.M. 25

Q1. Choose the correct option:

(1)

Home Science is a:

- i) Single-subject discipline
- ii) Multidisciplinary field
- iii) Medical science only
- iv) Commercial subject

Q2. Define Home Science.

(2)

Q3. State any two objectives of studying Home Science.

(2)

Q4. What is self-concept? Mention any one factor affecting it.

(2)

Q5. Differentiate between self-esteem and self-confidence.

(2)

Q6. Mention any four life skills developed through Home Science education.

(2)

Q7. Explain the role of family in shaping personality and self-identity.

(3)

Q8. Discuss the importance of self-awareness during adolescence.

(3)

Q9. Explain how Home Science contributes to family and community welfare.

(3)

Q10. Activity based project work : Study of an integrated community based, nutrition/health programme being implemented in own area, with reference to:

(5)

a. Programme objectives

b. Focal Group/Beneficiaries

c. Modalities of implementation

(5)

Subject: Painting

General Instructions:

1. Please do work on A-2 ivory sheet
2. Use water colours
3. Do shading, highlighting, shadows
4. Draw keeping in mind perspective

Draw 2 still life with at least 2 objects.

(10x2=20)