



St. Mary's School, Dwarka
Holiday Homework 2026
Class: XI
Worksheet 2

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

Q1 Read the passage given below.

1. Time management is one of the most important skills required for success in modern life. Students often complain that they do not have enough time to complete their assignments, prepare for examinations, or pursue hobbies. However, the problem usually lies not in the shortage of time but in the improper use of it. Every individual receives the same twenty-four hours in a day, but only those who plan wisely are able to achieve their goals effectively.
2. Good time management helps people reduce stress and increase productivity. A person who plans tasks in advance develops discipline and confidence. Such individuals avoid procrastination and complete their work systematically. On the other hand, poor planning often results in anxiety, confusion, and missed opportunities.
3. Technology can be both helpful and distracting. Mobile phones, online games, and social media consume a large amount of time if not used carefully. Students who spend excessive hours online often lose concentration and perform poorly in academics. Therefore, experts advise students to prepare schedules, set priorities, and take short breaks while studying.
4. Balanced use of time also improves physical and mental health. Proper sleep, exercise, and recreation refresh the mind and increase efficiency. People who value time usually lead more organised and successful lives.

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

(1×5 = 5)

(i) According to the passage, the real problem faced by students is —

- a) lack of intelligence
- b) shortage of time
- c) improper use of time
- d) difficult examinations

(ii) Which of the following statements is TRUE?

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- a) Social media always improves concentration.
- b) Good planning develops discipline and confidence.
- c) Technology should never be used by students.
- d) Recreation wastes valuable time.

(iii) Mention any two ways suggested by experts to manage time effectively.

(iv) Find the word from the passage that means the same as “delay in doing something.” (Para 2)

- a) productivity
- b) confidence
- c) procrastination
- d) recreation

(v) Choose the option that best describes ‘productivity’ as used in the passage.

- a) The ability to complete work efficiently
- b) Physical fitness and strength
- c) Enjoyment of free time
- d) Fear of failure

Q2. As the Head Boy/Head Girl of your school, you are required to deliver a speech during the morning assembly on the topic “**Discipline is the Bridge Between Goals and Achievement.**” Write the speech in about **120–150 words**. (5)

Do as directed.

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

- A. after months of hard work and practice
- B. the young athlete won the championship
- C. despite suffering from a serious injury
- D. with great determination and courage

Options:

- a) C - B - D - A
- 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) _____ information was provided during the seminar.
- A. Many
 - B. Few
 - C. Much
 - D. Several

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(b) Only _____ students submitted the assignment on time.

- A. little
- B. a few
- C. much
- D. every

(c) Is there _____ waiting outside the office?

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

(d) She did not buy _____ dress from the shop.

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

Q5. Fill in the blanks with the correct form of the word given in brackets. (½×4 = 2)

Yesterday evening, Aman(a) _____ (decide) to visit his grandfather. When he(b) _____ (reach) the house, his grandfather(c) _____ (read) a newspaper. They(d) _____ (spend) the evening talking happily together.

Q6. Why did the narrator admire his grandmother deeply in "*The Portrait of a Lady*"? What qualities of hers impressed him the most? (50 words) (2)

Q7. How did the grandmother react when the narrator was given music lessons at school? What does this reveal about her character? (80 words) (3)

Q8. Many elderly people play an important role in shaping values, traditions, and emotional bonds within families. However, changing lifestyles and modern routines often create distance between generations. Research and analyse the role of grandparents or elderly people in families and present your findings in the form of a poster.

Include the following details: (5)

- Name/title of your poster
- Qualities of the grandmother in the chapter
- Important incidents from the story
- Values and life lessons shown in the chapter
- Changes in the relationship between the narrator and the grandmother
- Importance of respecting and preserving family bonds and traditions

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)**

शिक्षा मनुष्य के जीवन का आधार है। यह केवल रोजगार प्राप्त करने का साधन नहीं बल्कि जीवन को सही दिशा देने वाला मार्गदर्शन भी है। शिक्षा से व्यक्ति का व्यक्तित्व विकसित होता है, उसकी सोच परिपक्व होती है और समाज में उसका योगदान सार्थक बनता है। भारत में शिक्षा का इतिहास अत्यंत गौरवपूर्ण रहा है। प्राचीन काल में गुरुकुलों में विद्यार्थियों को केवल ज्ञान ही नहीं दिया जाता था, बल्कि जीवन जीने की कला भी सिखाई जाती थी। वहाँ गुरु और शिष्य का संबंध केवल पढ़ाई तक सीमित नहीं था, बल्कि जीवन के हर पहलू को समझने और आत्मसात करने का अवसर मिलता था। यही कारण है कि उस समय शिक्षा का उद्देश्य केवल विद्वान बनाना नहीं बल्कि आदर्श नागरिक तैयार करना था।

समय के साथ शिक्षा का स्वरूप बदलता गया। आधुनिक युग में विद्यालयों और विश्वविद्यालयों ने शिक्षा को व्यवस्थित रूप दिया। विज्ञान और तकनीक के विकास ने शिक्षा को नई दिशा दी। आज शिक्षा केवल पुस्तकों तक सीमित नहीं है, बल्कि डिजिटल माध्यमों से ज्ञान प्राप्त करना आसान हो गया है। इंटरनेट, ई-पुस्तकें और ऑनलाइन पाठ्यक्रमों ने शिक्षा को सुलभ बना दिया है। हालाँकि, शिक्षा के क्षेत्र में चुनौतियाँ भी कम नहीं हैं। ग्रामीण क्षेत्रों में आज भी शिक्षा की पहुँच सीमित है। आर्थिक असमानता के कारण कई बच्चे विद्यालय तक नहीं पहुँच पाते। इसके अलावा, शिक्षा की गुणवत्ता भी एक बड़ी समस्या है। केवल डिग्री प्राप्त करना ही पर्याप्त नहीं है, बल्कि शिक्षा का उद्देश्य व्यक्ति को व्यावहारिक और नैतिक रूप से सक्षम बनाना होना चाहिए।

आज के समय में शिक्षा का एक और महत्वपूर्ण पहलू है—मूल्य शिक्षा। यदि शिक्षा केवल ज्ञान तक सीमित रह जाए और उसमें नैतिकता का समावेश न हो, तो उसका उद्देश्य अधूरा रह जाता है। मूल्य शिक्षा से व्यक्ति में ईमानदारी, करुणा, सहयोग और जिम्मेदारी का भाव उत्पन्न होता है। यही भाव समाज को संतुलित और सामंजस्यपूर्ण बनाते हैं। इस प्रकार, शिक्षा केवल व्यक्तिगत विकास का साधन नहीं है, बल्कि यह समाज और राष्ट्र के विकास की कुंजी है। यदि हर नागरिक शिक्षित हो और शिक्षा का सही उपयोग करे, तो भारत एक सशक्त और प्रगतिशील राष्ट्र बन सकता है।

(i) प्राचीन गुरुकुलों में शिक्षा का मुख्य उद्देश्य क्या था?

- (क) रोजगार दिलाना
- (ख) आदर्श नागरिक बनाना
- (ग) डिग्री प्रदान करना
- (घ) प्रतियोगिता कराना

(ii) आधुनिक शिक्षा का स्वरूप किसके कारण बदला है?

- (क) साहित्य
- (ख) विज्ञान और तकनीक
- (ग) राजनीति
- (घ) खेलकूद

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

कथन (A) विज्ञान और तकनीक के विकास ने शिक्षा को नई दिशा दी।

कारण (R) यही भाव समाज को संतुलित और सामंजस्यपूर्ण बनाते हैं।

- 1 कथन (A) तथा कारण (R) दोनों गलत हैं।
- 2 कथन (A) गलत है परन्तु कारण (R) सही है।
- 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) प्राचीन और आधुनिक शिक्षा प्रणाली में क्या अंतर है?

(v) शिक्षा को सामाजिक परिवर्तन का साधन क्यों माना जाता है?

प्रश्न 2 आनुषंगिक टिप्पण को अपने शब्दों में व्यक्त कीजिए।

(5×1=5)

प्रश्न 3 शोर से क्या तात्पर्य है?

(2×2=4)

प्रश्न 4 संचार के प्रकार बताइए।

निम्नलिखित प्रश्नों के उत्तर दीजिए :

(1½×4=6)

प्रश्न 5 पंडित अलोपीदीन ने रिवत के लिए चालीस हजार का प्रस्ताव दिया तो वंशीधर ने क्या किया?

प्रश्न 6 जेल में कवि का हृदय भावुक क्यों हो जाता है?

प्रश्न 7 कबीर की दृष्टि में ईश्वर एक है। इसके समर्थन में उन्होंने क्या तर्क दिए हैं?

प्रश्न 8 मीरा कृष्ण की उपासना किस रूप में करती हैं? वह रूप कैसा है?

प्रश्न 9 चित्रपट संगीत के लोकप्रिय होने के कारणों को समझाइए?

(1×1=1)

प्रश्न 10 परियोजना कार्य : अवशिष्ट पदार्थों से एक सुंदर मोबाइल कवर बनाकर कबीरदास जी के कोई दो दोहे लिखकर।

(4×1=4)

Subject: Mathematics**No. of questions: 10****M.M. 25**

Q.1) a) Let R be the relation on Z defined by $R = \{ (a, b) : a, b \in Z, a - b \text{ is an integer} \}$. Find the domain and range of R. (1)

b) Find the value of $\tan \frac{19\pi}{3}$ and $\cot(\frac{-15\pi}{4})$. (1)

Q.2) Let R be a relation from Q to Q defined by $R = \{ (a, b) : a, b \in Q \text{ and } a - b \in Z \}$. Show that:

(1+1)

a) $(a, b) \in R$ implies that $(b, a) \in R$.

b) $(a, b) \in R$ and $(b, c) \in R$ implies that $(a, c) \in R$

Q.3) Let $T = \{ x : \frac{x+5}{x-7} - 5 = \frac{4x-40}{13-x} \}$. Is T an empty set? Justify your answer. (2)

Q.4) Find the range of the function $f(x) = \frac{x^2+4}{x^2-4}$, $x \in R$. (2)

Q.5) Find the radius of the circle in which a central angle of 60° intercepts an arc of length 37.4 cm.
(Use $\pi = \frac{22}{7}$). (2)

Q.6) Find the angle in radians between the hands of a clock at 7:20 pm. (2)

Q.7) Draw the graph of Greatest Integer Function and write its domain and range. (3)

Q.8) If $\frac{\sin(x+y)}{\sin(x-y)} = \frac{a+b}{a-b}$, then show that $\frac{\tan x}{\tan y} = \frac{a}{b}$. (3)

Q.9) Prove that: a) $\sin^2 6x - \sin^2 4x = \sin 2x \sin 10x$. (2)

b) $\frac{\sin x - \sin y}{\cos x + \cos y} = \tan \frac{x-y}{2}$. (2)

Activity Work:

Q.10) Verify DE Morgan's law of sets using Venn diagram. (3)

Subject: Physics

No. of questions: 10

M.M. 25

- Q1. Name at least four physical quantities whose dimensions are (ML^2T^{-2}) . 2
- Q2.(i)Write the dimensional formula of the following physical quantities (a) Stress (b) Coefficient of viscosity. 2
- Q3. (i)What is a photon? Does it have dimensional formula? Justify. (ii) Write the dimensional formula corresponding to the unit Calorie. 2
- Q4. Force (F) and density (d) are related as $F = \alpha / (\beta + \sqrt{d})$, find the dimensions of α and β . 2
- Q5. Find the volume of a cube of side 1cm and convert it into m^3 . 2
- Q6. Write the dimensions of the following: 3
- (i) Gravitational potential
 - (ii) Variable force
 - (iii) Pressure gradient
 - (iv) Moment of inertia
 - (v) Buoyant force
 - (vi) Angular Momentum
- Q7. (i) Are all dimensionally correct equations numerically correct? Give one example.
(ii)Define specific heat and latent heat. Do specific heat and latent heat have the same dimensions? Justify! 3
- Q8. (i) Find the surface area in $(\text{mm})^2$ of a solid cylinder of radius 2cm and height 10cm. (ii) A vehicle moving with a speed of 18 km/h will cover how many meters in 1 sec. 3
- Q9 (i) How many protons would make 1 Kg? Given: Mass of proton = 1.67×10^{-27} kg.
(ii) Wavelength of a laser light is 6463 Angstrom. Express it in mm and micrometer. 3
- Q10. Fill in the blanks: (0.5x4+1=3)
- i. Light year is the unit of _____.
 - ii. S.I. unit of angle is _____.
 - iii. The standard atmospheric pressure equals _____ dyne/cm².
 - iv. Hertz is the unit of _____.
 - v. Watt second is the unit of _____

Std. XI Worksheet 2

Activity: Delhi has been witnessing earthquakes in the range of two to three magnitude frequently.

Earthquakes are measured by seismometers, which detect the vibrations (seismic waves) caused by the shifting of tectonic plates. Scientists evaluate these recordings in two primary ways: Magnitude (the total energy released) and Intensity (the localized shaking and damage caused).

Richter Magnitude	Earthquake effects
0-2	Not felt by people
2-3	Felt little by people
3-4	Ceiling lights swing
4-5	Walls crack
5-6	Furniture moves
6-7	Some buildings collapse
7-8	Many buildings destroyed
8-Up	Total destruction of buildings, bridges and roads

- Q1. What is the difference between Seismograph and Richter scale?
- Q2. Richter scale is a logarithmic scale. Explain.
- Q3. What do you mean by epicentre of an earthquake? Does an earthquake start at the epicentre?
- Q4. Delhi has experienced frequent earthquakes in the last few months. What does this signify?

Subject: Chemistry

No. of questions: 10

M.M. 25

Section A: Multiple Choice Questions

(1x2=2)

Q1. The mass of one atom of carbon-12 is exactly:

- (a) 1.99×10^{-23} g (b) 12 g (c) 1.66×10^{-24} g (d) 6.022×10^{23} g

Q2. 16 g of oxygen gas contains how many molecules?

- (a) 6.022×10^{23} (b) 3.011×10^{23} (c) 12.044×10^{23} (d) 1.5×10^{23}

Section B: Very Short Answer Questions

(2x3=6)

Q3. What is the difference between precision and accuracy?

Q4. Calculate the number of atoms in 52 u of Helium.

Q5. Define 'Molar Volume'. What is its value at STP?

Section C: Short Answer Questions

Q6. Density of a 3 M solution of NaCl is 1.25 g /mL. Calculate the molality of the solution. (3)

Q7. Explain Gay Lussac's Law of Gaseous Volumes with a chemical reaction as an example. (3)

Q8. If 20 g of CaCO_3 is treated with 20 g of HCl, how many grams of CO_2 will be produced? (3)

(Equation: $\text{CaCO}_3 + 2\text{HCl} = \text{CaCl}_2 + \text{H}_2\text{O} + \text{CO}_2$)

Q9. (a) What is the SI unit of mass? Define it. (1)

(b) Express the following in scientific notation: 0.00048 , 234,000 , and 6.0012 . (2)

Section D: Long Answer Question (5 Marks each)

Q10. (a) Calculate the mass percent of different elements in Sodium Sulphate (Na_2SO_4). (3)

(b) How many significant figures should be present in the answer of the following calculation?

$(2.5 \times 1.25) / 0.5$ (2)

Subject: Computer Science

No. of questions: 10

M.M. 25

Q1 a) What is meant by multitasking in an operating system? (1)

b) Name any two-application softwares. (1)

Q2 Python is called a high-level and user-friendly language. Justify. (2)

Q3 Explain any two characteristics of an algorithm. (2)

Q4 What do you mean by syntax error and logical error? (2)

Q5 What is the use of comments in Python? Give an example. (2)

Q6 Differentiate between input() and print() functions. (2)

Q7 Write the output: (2)

a) `print(False + True * True)`

b)

`a = True`

`b = False`

`print(not a or b and a)`

Q8 Give the output: (2)

i)

`x = 15`

`y = 4`

`x %= y`

`print(x)`

ii)

`p = True`

`q = False`

`print((p or q) and not q)`

Q9 Draw a flowchart for the following: (2×2=4)

a) To check whether a number is even or odd.

b) To calculate the sum of first n natural numbers.

Q10 Explain different types of operators in Python with suitable examples using a Graphic Organizer

(G.O.).

(5)

Subject: Biology

No. of questions: 10

M.M. 25

Q1. Write the scientific name of Housefly. Mention its 'Family' and 'Order'. (1)

Q2. Differentiate between 'Gram-positive' and 'Gram-negative' bacteria based on their cell envelope. (1)

Q3. What are 'Diatoms'? Explain why they are called 'pearls of the ocean'. (2)

Q4. Define 'Gemma cups'. In which group of plants are they found? (2)

Q5. What is 'Metamerism'? Name one phylum that exhibits this characteristic. (2)

Q6. Explain the life cycle of pteridophytes. (3)

Q7. Describe the characteristic features of Phylum Coelenterata (Cnidaria). Why are they called Cnidarians? (3)

Q8. Read the passage and answer the following questions:

Gymnosperms are plants in which the ovules are not enclosed by any ovary wall and remain exposed, both before and after fertilisation. The seeds that develop post-fertilisation are not covered, i.e., are naked. They include medium-sized trees or tall trees and shrubs. One of the gymnosperms, the giant redwood tree *Sequoia* is one of the tallest tree species.

1. Name the fungal association found in the roots of *Pinus*. (1)

2. What are 'coralloid roots' and which organism is associated with them? (1)

3. Why are gymnosperms called 'naked seeded' plants? (1)

4. Mention one major difference between the leaves of *Cycas* and *Pinus*. (1)

Q9. Read the passage and answer the following questions:

The Kingdom Animalia is characterised by heterotrophic eukaryotic organisms that are multicellular and their cells lack cell walls. Animals are further classified based on their level of organisation, body symmetry, and presence or absence of a coelom. Bilateral symmetry is where the body can be divided into identical left and right halves in only one plane.

1. What is a 'Pseudocoelom'? Name one phylum that has it. (1)

2. Distinguish between 'Open' and 'Closed' circulatory systems. (1)

Q10. Classify the Kingdom Fungi into four main classes based on the morphology of mycelium and mode of spore formation. Provide one characteristic and one example for each class. (5)

Subject: Legal Studies

No. of questions: 10

M.M. 25

- Q1. State two differences between Unicameral Legislature and Bicameral Legislature. (2)
- Q2. Describe how the 'State' emerges from the society. (2)
- Q3. How is an Aristocracy different from a Monarchy? (2)
- Q4. Can any modern democracy be truly federal or truly unitary in nature? Give reasons to substantiate your answers. (2)
- Q5. What is Delegated Legislation? Can the Parliament delegate the responsibility of legislating on essential aspects to a different authority? (2)
- Q6. List three differences between the 'State' and 'Government'. (3)
- Q7. Consider a situation where a country's President cannot be removed except through impeachment and the President does not depend on the Parliament for survival. Identify the form of government and explain some features distinguishing it from the Parliamentary system. (3)
- Q8. Consider a situation where a new law bans peaceful protests. A group of citizens challenge it in court. Answer the following:
- i. Which power allows the courts to examine the law?
 - ii. What can courts do if the law violates the Constitution of India?
 - iii. Why is this power important in a democracy? (3)
- Q9. India follows a Parliamentary form of government. Do you think the Parliamentary form of government is suited to the political realities of India? Would you say that India should adopt a Presidential form of government? Give reasons for your answer. (3)
- Q10. India is a country that is federal in its character, but unitary in its spirit. Would you agree with this statement? Provide answers with your justifications. (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.

No. of questions: 10

M.M: 25

- Q.1 A firm is making a profit, but its employees are unhappy due to poor safety. Which objective is the firm failing? 1
- a) Economic
 - b) Social
 - c) Human
 - d) Market Standing
- Q.2 "Organic Farms Ltd." cannot invite the public to buy its shares. It is 1
- a) Public Co.
 - b) Private Co.
 - c) Statutory Co.
 - d) Partnership
- Q.3 The objective of a business to contribute to the well-being of society is known as: 1
- | | |
|-------------------------|---------------------|
| a) Profit maximization. | b) Wealth creation. |
| c) Social objective. | d) Economic growth. |
- Q.4 Converting timber into furniture creates: 1
- a) Place utility
 - b) Time utility
 - c) Form utility
 - d) Possession utility
- Q.5 Transfer of interest exists in the case of 1
- a) Profession
 - b) employment
 - c) business
 - d) none of these
- Q.6 "A business is an economic activity, but every economic activity is not a business." Explain using the criteria of 'Regularity of Dealings'. 3

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Q.7 Dr. Rajiv Mishra is working against the post of a senior doctor in a government hospital. He does not discriminate between the rich and poor while treating his patients medically. When he returns home from the hospital, he attends to the poor patients at home free of cost between 6 pm to 8 pm. Besides, he gives them the information about the employment opportunities. He advises many young people to go into the fields of advertising and transportation. They went into these fields and remarkably succeeded there.

(1) What type of activities does Dr Rajiv Mishra perform in the hospital and at home

(2) Explain the auxiliaries to trade mentioned in the above para.

3

Q.8 Based on the traits below, identify and explain the form of business:

4

(a) "I want my business to never die, even if I do."

(b) "I want to share the risk with 2 or 3 trusted friends."

(c) "I want to work for the welfare of my community, not just profit."

(d) "I am the king of my empire; I take all the gold and all the heat."

Q.9 Ratan after doing his B.Pharm degree from a reputed government college started two chemist shops in two different localities of his home town. Encouraged with the success of these shops, he started six more shops in different cities of the state. His strategy was to cut price, focus on lower and middle class patients and open shops near hospitals. He earned good profit margins. But the staff of the shops did not give much attention to the customers. Because of this mis-management he started incurring huge losses and his business failed. On the basis of the given information about Ratan, answer the following questions:

a) Identify and explain the main cause behind the business failure of Ratan.

b) Explain any two other causes of risk associated with Ratan's business.

4

Q.10 Explain the interdependence of Industry, Trade, and Auxiliaries to Trade. Create a hypothetical scenario of a "Mobile Phone" from its extraction as raw ore to its sale to a customer to illustrate your answer.

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.

No. of questions: 10

M.M. 25

Q.1 An agro-processing mill signs a contract to purchase 500 tons of wheat from a local cooperative at a fixed rate of ₹22,000 per ton. Delivery and payment are scheduled for next month. The market price of wheat rises sharply to ₹26,000 per ton the very next day. The mill owner wants to record a profit of ₹20,000 right away based on this price rise. Which accounting concept prevents this entry? 1

- a) Matching Principle
- b) Revenue Recognition / Realization Principle
- c) Dual Aspect Principle
- d) Money Measurement Concept

Q.2 Statement-1: Cash basis of accounting is not recognized by Income Tax Act.

Statement-2: Cash basis of accounting does not follow matching principle and accrual concept.

Choose the correct option: 1

- a) Only statement -1 is correct.
- b) Only statement-2 is correct.
- c) Both statements are correct.
- d) Statement-1 is correct but statement-2 is incorrect.

Q.3 A delivery company purchases a logistics van for ₹6,00,000 on credit. The company pays an extra ₹25,000 for customized shelving installation and ₹15,000 for registration before the van is used. The accountant records ₹6,00,000 in the Motor Vehicle Account and treats the remaining ₹40,000 as a regular business expense. What is the error in this treatment? 1

- a) It correctly applies the prudence framework.
- b) It understates the asset value of the vehicle by ₹40,000, violating the Historical Cost concept.
- c) It overstates capital reserves.
- d) It understates current liabilities.

Q.4 Which of the following is not a fictitious asset? 1

- | | |
|-------------------------|----------------------------|
| a) Preliminary expenses | b) Advertisement expenses |
| c) Prepaid expenses | d) Underwriters commission |

Q.5 A business entity reports a net profit of ₹5,20,000 under the Cash Basis of accounting for the year ending March 31, 2026. Audit records show that outstanding wages at year-end were ₹65,000, and accrued commissions yet to be collected were ₹40,000. What would be the corrected net profit if the

Std. XI Worksheet 2

firm used the Accrual Basis?

1

- a) ₹5,20,000
- b) ₹4,95,000
- c) ₹5,45,000
- d) ₹4,15,000

Q.6 A tech entrepreneur uses her personal high-end tablet, worth ₹90,000, exclusively for pitching software prototypes to clients on behalf of her registered firm. However, she does not let her accountant record the tablet on the firm's balance sheet, stating, "The tablet is legally registered under my personal identity, so the business does not own it." Is the owner correct? Explain.

3

Q.7 Describe how a single business transaction can cause a simultaneous increase and decrease within the Asset section of the accounting equation, leaving the Liabilities and Capital fields completely unchanged. Provide two practical examples.

3

Q.8 A company making medicines (Pharmaceutical Company) had following transactions.

1. Salaries paid to staff
2. Paid for telephone bills
3. Bought a machinery
4. Paid for raw material purchased
5. Cash received from customers who bought medicines
6. Tax paid to the government
7. Paid for construction of new factory building
8. Paid for repairing of machinery

Classify these transactions as: (a) Revenue Expenditure (b) Capital Expenditure (c) It is not a expenditure at all.

4

Q.9 An accountant evaluates the books of "Trident Engineering." The firm reports a net profit of ₹1,85,000 under the Cash Basis for the year. The ledger discloses the following operational details:

- (i) Prepaid office space insurance premium: ₹12,000
- (ii) Unpaid consultancy service fees owed to external design engineers: ₹24,000
- (iii) Advance money received from a consumer for a project starting next year: ₹30,000
- (iv) Interest earned on fixed deposits but not yet physically received from the bank: ₹18,000

Compute the corrected net operational profit by shifting from the Cash Basis to the Accrual Basis.

4

Q.10 Prepare Accounting Equation from the following :-

6

1. Started business with cash ₹.75,000 and goods ₹25,000.
2. Paid for Rent ₹2,000.
3. Bought goods for cash ₹30,000 and on credit for ₹44,000.
4. Goods costing ₹50,000 sold at a profit of 25%, out of which ₹27,500 received in Cash.
5. Purchased a Motor-cycle for personal use ₹20,000.

Subject: Economics

No. of questions: 10

M.M. 25

- Q1. Analyse the factors influencing production decisions. How do producers decide what to produce, and what role do consumer preferences and resource availability play? 2
- Q2. Evaluate the application of the law of demand in real markets. Why do consumers purchase more of a product when its price falls? Support your reasoning with examples. 2
- Q3. Compare and contrast the effects of demand changes. How do shifts in demand differ from changes in quantity demanded? Illustrate with a real-life scenario. 2
- Q4. Examine the shape of the Indifference Curve using consumer behaviour theories. Why is an indifference curve generally convex to the origin, and what does it reveal about consumer preferences? 2
- Q5. Interpret the relationship between utility and consumption choices. How does the negative slope of an indifference curve reflect a consumer's trade-offs between goods? 2
- Q6. Assess the logical consistency of indifference curves in preference analysis. Why do indifference curves never intersect, and how does this maintain the integrity of consumer choice theory? 3
- Q7. Evaluate the satisfaction levels indicated by different indifference curves. Why does a higher indifference curve represent a greater level of consumer satisfaction? What assumptions underlie this concept? 3
- Q8. Critically analyse the applicability of the law of diminishing marginal utility across different consumption patterns. Does this law hold true even when consumption occurs in intervals? Defend or refute with reasoning. 3
- Q9. Apply the concept of diminishing marginal utility to knowledge and education. How does the law of diminishing marginal utility relate to learning experiences? Can there be a point where additional knowledge provides less utility? 3
- Q10. Determine the elasticity of demand in various markets. Categorize the demand elasticity for the following products—petrol, textbooks, cars, and milk—by considering factors like necessity, availability of substitutes, and income effects. 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

Std. XI Worksheet 2

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

No. of questions: 10

M.M. 25

- Q1. Who was the legendary ruler of Uruk credited in epic poetry with organizing the first long-distance trade mission to fetch lapis lazuli? 1
- (A) Hammurabi
(B) Enmerkar
(C) Sargon
(D) Gilgamesh
- Q2. Ancient Mesopotamian scribes recorded cuneiform symbols on tablets made of which primary material? 1
- (A) Papyrus sheets
(B) Animal parchment
(C) Moist clay
(D) Wooden blocks
- Q3. The prosperous trading town of Mari flourished as a crucial urban center along the pastoral zone of which river network? 1
- (A) Tigris
(B) Nile
(C) Euphrates
(D) Indus
- Q4. Which specific metal alloy revolutionized the manufacturing of durable tools and weapons during Mesopotamian urbanization? 1
- (A) Steel
(B) Brass
(C) Bronze
(D) Iron
- Q5. The famous Epic of Gilgamesh, which addresses themes of human pride and mortality, was recorded across how many clay tablets? 1
- (A) 5 tablets
(B) 12 tablets
(C) 24 tablets
(D) 100 tablets

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- Q6. Examine the relationship and frequent friction between the mobile pastoral herders and settled peasants in the kingdom of Mari. 3
- Q7. Explain how successful military war leaders managed to consolidate political authority and earn religious legitimacy from their communities. 3
- Q8. Outline the structural composition and distinct rights enjoyed by a nuclear family in ancient Mesopotamian society. 3
- Q9. Discuss the enduring legacy of Mesopotamian civilization in the fields of mathematics and astronomy. 3
- Q10. Mineral scarcity was a defining challenge for southern Mesopotamian city-states. Detail how they structured long-distance trade networks, and evaluate the vital importance of water transport over land routes. 8

Subject: Political Science

No. of questions: 10

M.M. 25

- | | | |
|------|--|---|
| Q.1 | What is the origin of the word 'Politics'? | 1 |
| Q.2 | Define the term Liberty. | 1 |
| Q.3 | What do you understand by National Liberty? | 1 |
| Q.4 | What do you understand by equality before law? | 2 |
| Q.5 | Explain two types of Liberty. | 2 |
| Q.6 | Political Science is a Science. Give reasons. | 2 |
| Q.7 | Discuss pre-conditions which are essential for an individual to enjoy Liberty. | 2 |
| Q.8 | Explain the relationship between political and economic liberty. | 4 |
| Q.9 | Explain main dimensions of equality. | 4 |
| Q.10 | Describe John Stuart Mill's views in the defense of freedom of expression including freedom of thought and discussion. | 6 |

Subject: Psychology

No. of questions: 10

M.M. 25

Q1. Standardised tests are designed to ensure:

(1)

- a) Subjective interpretation
- b) Lack of norms
- c) Random scoring
- d) Uniformity and reliability

Q2. A study where researchers collect data from a large number of people using questionnaires is called:

(1)

- a) Observation method
- b) Survey method
- c) Case study method
- d) Experimental method

Q3. A psychologist ensures that students participating in a study are informed about the purpose and can withdraw anytime. Identify the ethical principle and explain it briefly.

(2)

Q4. What do you mean by standardisation test?

(2)

Q5. Explain the role of conceptualising a problem in scientific research.

(2)

Q6. A psychologist studies the relationship between social media usage and levels of anxiety among adolescents by collecting data from students without changing their behaviour. Identify and explain the method of enquiry used in this study.

(2)

Q7. Explain limitations of psychological enquiry.

(3)

Q8. Difference between field experiment and Quasi experiment.

(3)

Q9. A psychologist wanted to study the effect of noise on students' learning. She divided students into two groups. One group studied in a quiet room, while the other studied in a noisy room. After studying, both groups were tested and their performances were compared. Explain the method of enquiry used in this study. Also mention the role of independent variable and dependent variable.

(4)

Q10. As a budding psychologist assigned to conduct psychological research on the impact on the wellbeing of adolescents, what ethical issues should you keep in mind while carrying out this study.

(5)

Activity

Reflection Task: "How Can Psychology Help Me Become a Better Student?"

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. What is Career Planning? (2)
2. Name any four qualities of a Physical Education teacher. (2)
3. Define Yoga and Meditation. (2)
4. Who is Pierre de Coubertin? (2)
5. Explain Olympic Symbol and Olympic Anthem. (2)
6. Explain the role of Physical Education in modern society. (3)
7. Write about the history of Modern Olympic Games. (3)
8. Explain the benefits of Pranayama . (3)
9. Describe the procedure and benefits of Bhujangasana. (3)
10. Write any five differences between Physical Education and Sports. (3)

Subject: Home Science

No. of questions: 10

M.M. 25

- Q1. Fill in the blank: (1)
A balanced diet contains all nutrients in the correct _____.
- Q2. Define nutrition. (2)
- Q3. Differentiate between health and wellness. (2)
- Q4. Name any four nutrients essential for the body. (2)
- Q5. State any two functions of proteins in the body. (2)
- Q6. Why is breakfast considered the most important meal of the day? (2)
- Q7. Explain the importance of a balanced diet for adolescents. (3)
- Q8. Discuss the role of food in maintaining good health. (3)
- Q9. Explain any three factors affecting food choices. (3)
- Q10. Activity-based: Prepare a one-day balanced diet chart for a teenager. Include breakfast, lunch, dinner, and snacks. (5)

Subject: Painting

General Instructions:

- Complete the artwork on an A-2 size ivory sheet.
- Use water colours for colouring.
- Add proper shading, highlights, and shadows to create depth and realism.
- Ensure the drawing follows the principles of perspective and proportion.
- Maintain neatness and overall presentation quality.

Q1. Draw a fruit basket with at least 4 fruits

Q2. Draw a vegetable composition