



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

**General Instructions:**

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

**Subject: English Core**

**No. of questions: 7**

**M.M.25**

**General instructions**

- There are four sections-Reading, Writing, Literature and Activity.
- Attempt all questions.
- Read pages 24 to 30 of the lesson 'The Enemy'.
- Kindly go through the recommended reading list provided below.

**READING**

**Q1. Read the passage carefully:-**

**(5 marks)**

1. Language is often celebrated as a medium of communication, cultural continuity, and intellectual expression. Yet throughout history, it has also functioned as an instrument of domination. Empires and authoritarian regimes have repeatedly recognised that controlling language enables the control of memory, identity, and thought itself. When a language is marginalised, the worldview embedded within it gradually begins to erode.
2. Colonial administrations frequently imposed their own languages upon subject populations under the guise of "civilising" them. Indigenous languages were dismissed as primitive, impractical, or inferior, while the coloniser's language became associated with education, power, and social mobility. Over time, this linguistic hierarchy produced psychological consequences extending beyond vocabulary. Many individuals internalised the belief that their native language—and by extension, their culture—was somehow inadequate. Thus, suppression operated not only politically but psychologically.
3. Educational institutions played a particularly significant role in this process. In several colonised societies, children were punished for speaking their mother tongues in schools. Such policies were not accidental; they were strategic attempts to weaken cultural continuity across generations. A population

detached from its linguistic roots becomes easier to assimilate into dominant systems of power because language carries collective memory, oral traditions, and modes of resistance.

4. Even in contemporary societies, linguistic suppression persists in subtler forms. Minority languages are often excluded from administration, higher education, or digital spaces, rendering their speakers socially invisible. Accent discrimination further demonstrates how language continues to influence perceptions of intelligence and credibility.
5. However, language also remains a powerful site of resistance. Communities fighting to preserve endangered languages are not merely protecting words; they are safeguarding histories, identities, and alternative ways of understanding the world. The struggle for linguistic preservation therefore represents far more than cultural nostalgia. It is fundamentally a struggle for dignity, autonomy, and the right to exist without erasure.

**Based on the reading of the above passage, answer the questions that follow:-** (1x5=5)

**(i) Which of the following best encapsulates the author's primary contention in the passage?**

- A. Language can simultaneously function as a mechanism of domination and a means of cultural resistance.
- B. Technological progress has largely eliminated linguistic prejudice in contemporary societies.
- C. Colonial powers encouraged indigenous populations to preserve their linguistic heritage.
- D. Language serves only as a neutral medium of communication without political implications.

**(ii) The author's reference to 'psychological consequences extending beyond vocabulary' suggests that linguistic suppression—**

- A. restricted individuals from participating in economic activities.
- B. diminished the practical utility of indigenous languages.
- C. reshaped how colonised people perceived their own identity and cultural worth.
- D. prevented people from learning additional foreign languages.

**(iii) Why does the passage emphasise the role of schools in colonised societies?**

- A. Schools acted as instruments for severing cultural continuity and weakening resistance.
- B. Educational institutions successfully preserved indigenous traditions and oral histories.
- C. Colonial schools promoted multilingual education to foster inclusivity.
- D. Teachers in colonies resisted all attempts at linguistic assimilation.

**(iv) The author's perspective on linguistic preservation can best be interpreted as—**

- A. sceptical of cultural revival movements in multilingual societies.
- B. dismissive of attempts to preserve endangered languages in the digital age.
- C. supportive of the belief that language preservation safeguards dignity and identity.
- D. neutral regarding the relationship between language and collective memory.

(v) Which inference can most reasonably be drawn from the passage?

- A. Colonialism affected political systems but left linguistic traditions untouched.
- B. Minority languages survive primarily because of governmental intervention.
- C. Cultural identity becomes stronger when native languages disappear.
- D. Linguistic hierarchies influence social perceptions of intelligence and authority.

**WRITING**

**Q2.** You are concerned about the increasing amount of plastic and packaging waste generated by food delivery services in cities. Write a letter to the Editor of a national daily highlighting how convenience culture is contributing to environmental damage and suggesting measures to reduce packaging waste.

(5)

**LITERATURE**

**Answer the following questions in 40 to 50 words:-**

(2x3=6)

**Q3.** What does the melting ice in Antarctica indicate about the interconnectedness of ecosystems?

**Q4.** Why did Charley find it difficult to believe the psychiatrist's explanation

**Q5.** How does M. Hamel present language as a tool of resistance in the lesson The Last Lesson?

**Answer the following question in 150 words:-**

(5)

**Q6.** M. Hamel's last lesson becomes more than just a language class. Discuss how the story explores themes of regret, identity, and cultural loss. Divide the answer into small paragraphs.

**ACTIVITY**

**Q7.** Create a newspaper page with **FOUR** news items of one paragraph each (120 words) from the following lessons on an A4-size sheet:-

(4)

1. The Tiger King
2. Journey to the End of the World
3. The Last Lesson
4. The Third Level

This paragraph should answer: **What, When, Where, Who**

**A sample is given for your reference.**

## Heat waves intensify conditions across North India

By Aarav Mehta

**New Delhi, 19 May 2026:** North India experienced severe heat wave conditions on Monday as temperatures crossed 46°C in Delhi, Rajasthan, Haryana, and parts of Uttar Pradesh. The India Meteorological Department (IMD) issued warnings advising citizens to avoid outdoor activities during peak afternoon hours. Hospitals reported a rise in cases of dehydration and heat exhaustion, particularly among children and the elderly, while water shortages were observed in several residential areas. Authorities deployed additional water tankers and established relief camps to assist residents. Weather experts attributed the extreme conditions to dry winds, lack of rainfall, climate change, and rapid urbanisation, and citizens were urged to stay hydrated and follow safety advisories.

### Suggested Reading List

**Reading expands imagination, deepens empathy, and strengthens language skills.** During the holidays, students are encouraged to read **at least one book** from the suggested reading list given below. These books explore themes such as identity, courage, loneliness, friendship, social criticism, hope, and human resilience—many of which connect meaningfully with the themes studied in Class XII English.

Book & Author	Brief Summary
<b>Animal Farm by George Orwell</b>	A powerful political allegory where farm animals rebel against humans, only to face another form of oppression. Simple yet deeply thought-provoking, the novel explores power, corruption, propaganda, and the dangers of blind obedience in society.
<b>The Old Man and the Sea by Ernest Hemingway</b>	This moving novella follows an ageing fisherman battling the sea and his own limitations. The story beautifully portrays perseverance, dignity, loneliness, and the quiet courage required to continue fighting despite repeated failures.
<b>The Importance of Being Earnest by Oscar Wilde</b>	A witty comedy filled with mistaken identities, satire, and clever dialogue. Wilde humorously mocks Victorian society while exploring themes of appearance, marriage, social expectations, and the absurdity hidden beneath sophistication.

**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: (5)**

भारत एक विशाल और विविधतापूर्ण देश है, जिसकी पहचान उसकी संस्कृति, परंपरा और प्राकृतिक संपदा से होती है। यहाँ की भौगोलिक संरचना इतनी विविध है कि उत्तर में हिमालय की बर्फ से ढकी चोटियाँ हैं, तो दक्षिण में समुद्र की लहरें। पश्चिम में थार का मरुस्थल है और पूर्व में घने वन। इस विविधता ने भारत को एक अद्वितीय स्वरूप प्रदान किया है। भारतीय संस्कृति की जड़ें अत्यंत गहरी हैं। यहाँ विभिन्न धर्म, भाषाएँ और रीति-रिवाज एक साथ रहते हैं। यह सह-अस्तित्व ही भारत की सबसे बड़ी शक्ति है। त्योहारों की बहार, लोकगीतों की मिठास और नृत्य की लय भारतीय जीवन को रंगीन बनाती है। दीपावली, होली, ईद, क्रिसमस जैसे पर्व केवल धार्मिक नहीं बल्कि सामाजिक समरसता के प्रतीक हैं। भारत का इतिहास भी गौरवपूर्ण है। यहाँ महान सम्राटों ने शासन किया और अद्वितीय स्थापत्य कला का निर्माण किया। ताजमहल, कुतुबमीनार, अजंता-एलोरा की गुफाएँ आज भी उस गौरव की गवाही देती हैं। स्वतंत्रता संग्राम में लाखों लोगों ने बलिदान दिया और देश को आज़ादी दिलाई। यह संघर्ष भारतीयों की दृढ़ इच्छाशक्ति और देशभक्ति का प्रमाण है। आधुनिक भारत विज्ञान और तकनीक के क्षेत्र में भी आगे बढ़ रहा है। अंतरिक्ष अनुसंधान, सूचना प्रौद्योगिकी और चिकित्सा विज्ञान में भारत ने उल्लेखनीय उपलब्धियाँ हासिल की हैं। चंद्रयान और मंगलयान जैसे अभियानों ने विश्व को भारत की क्षमता दिखाई। भारत की सबसे बड़ी विशेषता उसकी युवा शक्ति है। यहाँ की युवा पीढ़ी शिक्षा, नवाचार और उद्यमिता में आगे बढ़ रही है। यदि यह ऊर्जा सही दिशा में प्रयुक्त हो, तो भारत विश्व में अग्रणी राष्ट्र बन सकता है। साथ ही, चुनौतियाँ भी कम नहीं हैं। जनसंख्या वृद्धि, प्रदूषण, बेरोजगारी और सामाजिक असमानता जैसी समस्याएँ सामने हैं। इनसे निपटने के लिए सामूहिक प्रयास आवश्यक है। यदि नागरिक अपने कर्तव्यों को समझें और सरकार योजनाओं को सही ढंग से लागू करे, तो भारत का भविष्य उज्ज्वल होगा। इस प्रकार, भारत केवल एक देश नहीं बल्कि एक जीवंत अनुभव है। यहाँ की विविधता में एकता, परंपरा में आधुनिकता और संघर्ष में विजय की भावना निहित है। यही भारत की पहचान है।

**(i) भारत की सबसे बड़ी शक्ति क्या मानी जाती है?**

- (क) प्राकृतिक संपदा
- (ख) सह-अस्तित्व और विविधता
- (ग) स्थापत्य कला

(घ) युवा शक्ति

(ii) भारत की वैज्ञानिक उपलब्धियों में कौन-सा अभियान उल्लेखनीय है?

(क) गगनयान

(ख) चंद्रयान और मंगलयान

(ग) नवरत्न योजना

(घ) स्वच्छ भारत अभियान

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

**कथन (A)** आधुनिक भारत विज्ञान और तकनीक के क्षेत्र में भी आगे बढ़ रहा है।

**कारण (R)** भारत की सबसे बड़ी विशेषता उसकी युवा शक्ति है।

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) भारत की सांस्कृतिक विविधता को उदाहरण सहित स्पष्ट कीजिए।

(v) भारत की वैज्ञानिक उपलब्धियों का वर्णन कीजिए।

**प्रश्न 2** 'शिक्षा और रोज़गार' विषय पर 100 से 120 शब्दों में अनुच्छेद लिखिए। (5×1=5)

**प्रश्न 3** जनसंचार के प्रमुख माध्यम कौन-कौन से हैं? उनका हमारे जीवन में क्या महत्त्व है?

(2×2=4)

**प्रश्न 4** उल्टा पिरामिड-शैली क्या है? उदाहरण देकर स्पष्ट कीजिए।

**दिए गए प्रश्नों के उत्तर दीजिए :**

(1½×4=6)

**प्रश्न 5** भक्तिन अपना नाम क्यों छुपाती थी?

**प्रश्न 6** 'बाजार का जादू आँख की राह काम करता है।' इस कथन के माध्यम से लेखक क्या कहना चाहते हैं?

**प्रश्न 7** चिड़ियाँ दिन ढलने पर चंचल क्यों हो जाती हैं?

**प्रश्न 8** 'पतंग' कविता में कवि ने शरद ऋतु में दोपहर के समय का वर्णन कैसे किया है?

**प्रश्न 9** बेटी की सलाह पर यशोधर बाबू की पत्नी की क्या प्रतिक्रिया थी? (1×1=1)

परियोजना कार्य :

**प्रश्न 10** विवाह की पच्चीसवीं सालगिरह (Silver Wedding Anniversary) का एक सुंदर निमंत्रण पत्र बनाकर उस पर संदेश लिखिए। (4×1=4)

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

Q1. If  $x\sqrt{1+y} + y\sqrt{1+x} = 0$  and  $x \neq y$ , prove that  $\frac{dy}{dx} = -\frac{1}{(x+1)^2}$  (2)

Q2. If  $\cos^{-1}\left(\frac{x^2 - y^2}{x^2 + y^2}\right) = \tan^{-1} a$ , prove that  $\frac{dy}{dx} = \frac{y}{x}$  (2)

Q3. If  $\sin y = x \sin(a+y)$ , prove that  $\frac{dy}{dx} = \frac{\sin^2(a+y)}{\sin a}$  (2)

Q4. If  $\sqrt{1-x^2} + \sqrt{1-y^2} = a(x-y)$ , prove that  $\frac{dy}{dx} = \sqrt{\frac{1-y^2}{1-x^2}}$  (2)

Q5. If  $x^m y^n = (x+y)^{m+n}$ , prove that  $\frac{dy}{dx} = \frac{y}{x}$ . (2)

Q6. Differentiate the following functions with respect to x: (3)

(i)  $x^{x^2-3} + (x-3)^{x^2}$  (ii)  $y = x^{\sin x} + (\sin x)^x$

Q7. Differentiate  $\sin^{-1}(2x\sqrt{1-x^2})$  with respect to  $\tan^{-1}\left(\frac{x}{\sqrt{1-x^2}}\right)$ , if  $-\frac{1}{\sqrt{2}} < x < \frac{1}{\sqrt{2}}$  (3)

Q8. Differentiate  $\tan^{-1}\left(\frac{1+ax}{1-ax}\right)$  with respect to  $\sqrt{1+a^2x^2}$  (3)

Q9. If  $y = \log\left\{x + \sqrt{x^2 + a^2}\right\}$ , prove that  $(x^2 + a^2)\frac{d^2y}{dx^2} + x\frac{dy}{dx} = 0$  (3)

Q10. If  $x = a \cos \theta + b \sin \theta$  and  $y = a \sin \theta - b \cos \theta$ , prove that (3)

$$y^2 \frac{d^2y}{dx^2} - x \frac{dy}{dx} + y = 0$$

**Subject: Physics**

**General Instructions: Please write answers to this worksheet in your classwork notebook.**

- Q1 An electron and a proton are moving in the same direction with the same kinetic energy. When they pass through a uniform magnetic field perpendicular to the direction of their motion, they describe paths of the same radius. Is this statement true or false? Justify! (1)
- Q2. A particle of mass  $m$  and charge  $q$  moves at right angles to a uniform magnetic field. Plot a graph showing the variation of the radius of the circular path described by it with the increase in its (a) charge (b) kinetic energy, where, in each case, other factors remain constant. Justify your answer. (2)
- Q3. To increase the current sensitivity of a moving coil galvanometer by 50 %, its resistance is increased so that the new resistance becomes twice its initial resistance. Calculate by what factor the voltage sensitivity changes. (2)
- Q4. A charged particle having a charge  $q$  is moving with a speed  $v$  along the  $x$ -axis. It enters a region of space where an electric field  $E$  along the  $y$ -axis and a magnetic field  $B$  are present. The particle, on emerging from this region, is observed to move along the  $x$ -axis. Obtain an expression for the magnitude of  $B$  in terms of  $v$  and  $E$ . Also, give the direction of  $B$ . (2)
- Q5. A long wire is first bent into a circular coil of one turn and then into a circular coil of smaller radius having  $n$  turns. If the same current passes in both cases, find the ratio of the magnetic field produced at the centre in the two cases. (2)
- Q6. Two wires of equal length are bent in the form of two loops. One of the loops is square-shaped, whereas the other loop is circular. These are suspended in a uniform magnetic field, and the same current is passing through them. Which loop will experience greater torque? (2)
- Q7 (i) Does the torque on a planar current loop in a magnetic field change when its shape is changed without changing its area?  
(ii) Why are the pole pieces of the galvanometer made concave?  
(iii) What type of materials are used for making permanent magnet transformer cores? Give reasons. (3)
- Q8. Derive a formula for the force between two parallel straight conductors carrying current in opposite directions and write the nature of the force. Draw a labelled diagram also. (3)
- Q9 A galvanometer with a coil resistance of 5 ohm can tolerate a maximum current of 10mA.  
(i) Explain how this can be converted into an ammeter of range 1A and calculate the value of the shunt.  
(ii) Explain how this can be converted into a voltmeter of range 10V and calculate the value of the resistance required. (1.5+1.5=3)

Q10. (i) Draw a labelled diagram and explain the working of a moving coil galvanometer. (ii) Define its current and voltage sensitivity and explain how they can be increased. (2.5+2.5=5)

**Activity:** To study the concept of torque using a simple model of car machinery and understand how force causes rotational motion in automobile parts such as wheels and steering systems.

#### Torque Using a Spanner

1. Fix a nut tightly on a bolt.
2. Try loosening it using a short spanner/ruler.
3. Now use a longer spanner or hold the ruler farther from the nut.
4. Observe the effort required in both cases.

List three conclusions that can be drawn from the table given below

Observation Table			
Length of Lever Arm (m)	Applied Force (N)	Torque Produced (Nm)	Observation
0.10	5	0.5	Difficult rotation
0.20	5	1.0	Easier rotation
0.30	5	1.5	Fast rotation

**Subject: Chemistry**

No. of questions: 10

M.M. 25

**Section A: Very Short Answer**

**(1x2=2)**

Q1. What is the effect of temperature on the molality of a solution?

Q2. State Henry's Law regarding the solubility of a gas in a liquid.

**Section B: Short Answer Type I**

**(2x3=6)**

Q3. Define Osmotic Pressure. Why is it considered a colligative property?

Q4. Calculate the mole fraction of benzene in a solution containing 30% by mass in carbon tetrachloride (CCl<sub>4</sub>).

Q5. Explain why aquatic species are more comfortable in cold water than in warm water using Henry's Law.

**Section C: Short Answer Type II**

**(3x4=12)**

Q6. (a) What are azeotropes?

(b) Identify the type of deviation shown by a mixture of ethanol and acetone.

Q7. Define Boiling Point Elevation. Derive the relation between the elevation in boiling point and the molality of a non-volatile solute.

Q8. Differentiate between Ideal and Non-Ideal solutions based on:

- Intermolecular forces
- $\Delta H_{\text{mixing}}$
- $\Delta V_{\text{mixing}}$

Q9. A solution of glucose (C<sub>6</sub>H<sub>12</sub>O<sub>6</sub>) in water is labelled as 10% w/w. If the density of the solution is 1.20 g/mL, calculate the Molality and Molarity of the solution.

**Section D: Long Answer / Case Based**

Q10. Answer the following regarding Colligative Properties:

(a) What are hypertonic and hypotonic solutions. **(2)**

(b) 1.00 g of a non-electrolyte solute dissolved in 50 g of benzene lowered the freezing point of benzene by 0.40 K. The freezing point depression constant of benzene is 5.12 K kg/mol. Find the molar mass of the solute. **(3)**

**Subject: Computer Science**

No. of questions: 25

M.M. 25

**I Consider the table BANK and write SQL queries for the following:**

AccNo	CustName	AccountType	Balance	OpenDate	BranchID
101	Rohan	Savings	45000	2021-05-10	1
102	Meera	Current	70000	2020-08-15	2
103	Aarav	Savings	30000	2022-01-20	NULL
104	Diya	Current	90000	2019-11-05	1
105	Kabir	Savings	25000	2021-09-12	NULL

- Q1. Create the BANK table.
- Q2. Insert a new record where BranchID is not known.
- Q3. Increase balance by 5000 for all customers whose balance is less than 40000.
- Q4. Display customers whose name starts with 'M'.
- Q5. Display customers who do not have a BranchID assigned.
- Q6. Delete records of customers whose name contains letter 'a'.
- Q7. Display AccNo, CustName and Balance in descending order of Balance.
- Q8. Show customer names and balances for account types Savings or Current.
- Q9. Display customers whose second letter is 'i'.
- Q10. Show the maximum balance from the table
- Q10. Show the maximum balance from the table
- Q11. Show the number of customers in each AccountType.
- Q12. Display the total balance for each AccountType.
- Q13. Show the average balance of each AccountType.
- Q14. Display the maximum balance for each AccountType.
- Q15. Show the minimum balance in each AccountType.
- Q16. Display BranchID and total balance for each branch.
- Q17. Show AccountType where average balance is greater than 50000.
- Q18. Display BranchID having more than one customer.
- Q19. Show total balance of branches where total balance exceeds 100000.
- Q20. Count customers in each branch.
- Q21. Show AccountType with minimum balance greater than 20000.
- Q22. Display AccountType and total customers only for groups having more than 2 customers.
- Q23. Show BranchID and highest balance in each branch.
- Q24. Display AccountType and total balance in descending order of total balance.
- Q25. Show branches where maximum balance is more than 80000.

**Subject :Biology**

**No. of questions: 10**

**M.M. 25**

- Q1. Mention the function of 'Tapetum' and 'Exine' in a pollen grain. (1)
- Q2. Differentiate between 'Perisperm' and 'Endosperm' with one example of each. (1)
- Q3. What is 'Colostrum'? Why is it recommended for a newborn baby? (2)
- Q4. Define 'Test Cross'. How does it help in identifying the genotype of a dominant phenotype? (2)
- Q5. Write the start and stop codons for protein synthesis (translation). (2)
- Q6. Explain the process of 'Double Fertilization' in Angiosperms. Why is it called so? (3)
- Q7. Describe the 'Central Dogma' of molecular biology. Mention the enzymes involved in Replication and Transcription. (3)
- Q8. Read the passage and answer the following questions:  
Medical Termination of Pregnancy (MTP) was legalised in India in 1971 with strict conditions to avoid its misuse. It is generally safe up to the first trimester (12 weeks) of pregnancy. However, in India, it is often misused for female foeticide through amniocentesis.
1. What is the legal limit (in weeks) for a safe MTP? (1)
  2. How is amniocentesis misused in India? (1)
  3. Suggest one reason why MTP is performed even if the mother's health is fine. (1)
  4. Why is MTP considered risky during the second trimester? (1)
- Q9. Read the passage and answer the following questions:  
Haemophilia is a sex-linked recessive disease, which shows its transmission from unaffected carrier female to some of the male progeny. In this disease, a single protein that is a part of the cascade of proteins involved in the clotting of blood is affected. Due to this, in an affected individual, a simple cut will result in non-stop bleeding.
1. Why are females rarely haemophilic? (1)
  2. A carrier woman marries a normal man. What percentage of sons will be haemophilic? (1)
- Q10. Describe the hormonal control of the Menstrual Cycle in human females. Mention the changes that occur in the ovary and uterus during the follicular and luteal phases. (5)

**Subject: Business Studies**

**No. of questions: 10**

**M.M: 25**

**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 the business environment.

**Activity:**

Choose **one** topic either from Principles of Management (to check the status of Fayol principles in a particular organization) or Business Environment (say child labour, women empowerment etc.) or Marketing Management (to develop a product and ascertaining its demand by treating yourself as a producer/ manufacturer) or Stock Exchange (students need to invest Rs.50,000 in imaginary portfolio of 5 companies and check whether profit is earned or loss is incurred after 10 days)

**Assignment:**

Collect the information, analyze and interpret the results in a file.

Q.1 Aura Cosmetics Ltd. is facing fierce competition due to the sudden entry of international skincare brands offering organic products. To counter this, the top management decides to shift its focus towards manufacturing herbal cosmetics. This scenario reflects which feature of the business environment? (1)

- a) Complexity
- b) Dynamic Nature
- c) Relativity
- d) Uncertainty

Q2. Aarav, a plant superintendent at Vidyut Electricals, notices that workers are constantly confused about who to report to because the Production Manager and the Sales Manager frequently issue conflicting instructions regarding order priorities. Which principle of management is being violated here? (1)

- a) Unity of Direction
- b) Unity of Command
- c) Centralisation and Decentralisation
- d) Equity

Std. XII Worksheet 1

- Q3. The management of Zephyr Logistics sets an organizational target to reduce delivery turnaround time by 20% within the next quarter. However, the operations team fails to execute this because sudden fuel price hikes forced them to cut back on running half-empty trucks, a variable they had completely ignored. Identify the limitation of planning highlighted here. (1)
- a) Planning leads to rigidity
  - b) Planning may not work in a dynamic environment
  - c) Planning reduces creativity
  - d) Planning involves huge costs
- Q4. Kraft Textiles Ltd. divides its work into major operational areas such as Production, Marketing, Finance, and Human Resources. Each department has its own specialized head reporting directly to the Managing Director. What type of organizational structure has Kraft Textiles Ltd. adopted? (1)
- a) Divisional Structure
  - b) Informal Structure
  - c) Functional Structure
  - d) Matrix Structure
- Q5. An automobile company manufactures high-end electric SUVs. The company's production department ensures that raw materials are converted into finished vehicles with minimal wastage of steel and battery components. However, due to severe supply chain delays, the vehicles are delivered to dealerships three months after the promised date. In this context, choose the correct statement: (1)
- a) The management is both effective and efficient.
  - b) The management is effective but inefficient.
  - c) The management is efficient but ineffective.
  - d) The management is neither effective nor efficient.
- Q6. NeoTech Solutions is a software development firm where the CEO believes that all major operational and tactical decisions should be approved only by him. As the company grew from a 10-person startup to a 200-employee enterprise, project deliveries started lagging by months because files remained piled up on the CEO's desk awaiting authorization. In the light of Fayol's principles, identify the concept being mismanaged here. Explain how the company can resolve this issue without completely losing control over operations. (3)
- Q7. GreenBites Organic Food Ltd. wants to tap into the fast-growing premium vegan snacks market. The Board of Directors met to evaluate whether they should expand into this segment. They asked the core strategy team to outline the exact, sequential steps involved in the initial phase of the planning process that the company must follow to systematically approach this goal. Briefly outline the first three logical steps of the planning process applicable to GreenBites Organic Food Ltd. (3)

Std. XII Worksheet 1

Q8. Vayu Clean Energy Ltd. manufactures wind turbines. The production process involves highly specialized engineering tasks. To scale up operations, the management decides to group all related engineering activities into an Engineering Department, financial processing into a Finance Department, and client acquisitions into a Sales Department.

State any two distinct advantages and two limitations that Vayu Clean Energy Ltd. is likely to experience by implementing this specific organizational structure. (4)

Q9. The Government of India announces a major financial subsidy and a 0% tax policy for manufacturing units established in clean-energy corridors. Consequently, Solaris Power Ltd. decides to set up a massive solar panel manufacturing plant in Rajasthan to leverage these direct benefits.

Identify and explain the two specific dimensions of the business environment that are interacting in this corporate scenario. (4)

Q10. Samarth Hardware Ltd. was once a market leader in lock manufacturing. However, over the past two years, the company's profit margins have fallen sharply. An internal audit revealed that while the factory workers were highly disciplined and produced superior quality locks (high efficiency), the sales department was completely out of touch with the market, failing to realize that modern consumers prefer digital biometric locks over traditional mechanical ones (low effectiveness). There was a complete lack of mutual integration and timing between the production scheduling and the marketing teams.

(a) Identify and explain the core concept of management that is missing between the departments of Samarth Hardware Ltd.

(b) Discuss any four key characteristics/features of this concept that the company's management must implement to revive the business. (6)

**Subject: Accountancy**

**No. of questions: 10**

**M.M. 25**

**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. Collect the financial statements and cash flow statement of a company.

**Assignment:**

1. Analyze the financial statements by using various ratios and interpret the results in a file.
2. Analyze the cash flow statement of a company and interpret the results in a file.

**Answer Q1 & Q2 on the basis of following:**

Aarav and Kabir are partners in a sustainable clothing startup, "Prana Fabrics". They contributed ₹6,00,000 and ₹4,00,000 as capital respectively. They do not have a written Partnership Deed. Aarav travels extensively for sourcing organic cotton and demands a monthly conveyance allowance of ₹5,000. Kabir has provided an additional loan of ₹2,00,000 to the firm on October 1, 2025. For the year ended March 31, 2026, the firm earned a profit of ₹3,50,000 before any interest or allowances.

- Q.1 Based on the provisions of the Indian Partnership Act, 1932, how should the disputes regarding Aarav's allowance and Kabir's loan interest be settled? (1)
- a) Aarav gets ₹60,000 allowance; Kabir gets ₹12,000 interest.
  - b) Aarav gets no allowance; Kabir gets ₹12,000 interest.
  - c) Aarav gets no allowance; Kabir gets ₹6,000 interest.
  - d) Aarav gets ₹60,000 allowance; Kabir gets ₹6,000 interest.
- Q.2 What will be the final share of profit to be credited to Aarav's Capital Account after making all legally permissible adjustments? (1)
- a) ₹1,72,000
  - b) ₹1,75,000
  - c) ₹1,45,000
  - d) ₹1,69,000

Std. XII Worksheet 1

- Q.3 While preparing the Balance Sheet of a corporate enterprise as per Schedule III of the Companies Act, 2013, under which head and sub-head will you classify "Premium on Redemption of Debentures"?
- (1)
- a) Non-Current Liabilities – Long-term Borrowings
  - b) Non-Current Liabilities – Other Non-Current Liabilities
  - c) Current Liabilities – Other Current Liabilities
  - d) Shareholders' Funds – Reserves and Surplus
- Q.4 A financial analyst observes that the Liquid Ratio of a company is 1.2:1, while its Current Ratio is 2.8:1. Which of the following structural changes could explain this wide variance?
- (1)
- a) The company holds a substantial amount of cash at bank.
  - b) The company has a heavy inventory level and significant prepaid expenses.
  - c) The company's trade payables have increased rapidly.
  - d) The company has high trade receivables with a slow collection period.
- Q.5 In a Common-size Statement of Profit and Loss, each financial line item is expressed as a percentage of a common baseline total. Identify that baseline index:
- (1)
- a) Total Assets
  - b) Gross Profit
  - c) Revenue from Operations
  - d) Net Profit before Tax
- Q.6 Classify these items under the proper Major Head and Sub-Head according to Schedule III, Part I of the Companies Act, 2013:
- (3)
- 1. Mining Rights acquired for a 10-year period.
  - 2. Loose Tools stored in the workshop warehouse.
  - 3. Capital advances paid to a construction contractor for a new factory shed.
- Q.7 The accounts of Venus Trading Enterprise (partners X, Y, and Z sharing 3:2:1) were closed for the year ended March 31, 2026. It was later discovered that Interest on Drawings had been completely omitted. The calculated interest due from the partners was: X: ₹4,500; Y: ₹3,500; and Z: ₹1,000. Pass the necessary single rectifying Journal Entry.
- (3)
- Q.8 The Current Ratio of Nova Logistics Ltd. is 2.5:1. The management is considering three independent financial moves to optimize their liquidity profile. Analyze and state whether the Current Ratio will Increase, Decrease, or Not Change as a result of:
- (4)
- 1. Purchasing office equipment worth ₹40,000 on a credit period of 6 months.
  - 2. Redeeming Preference Shares worth ₹1,00,000 out of cash at bank.
- Q.9 From the following information extracted from the books of Orion Ltd., compute the net Cash Flow from Operating Activities for the year ended March 31, 2026:
- (4)
- Net Profit after tax and dividend: ₹2,40,000  
Depreciation on Plant & Machinery: ₹45,000  
Goodwill amortized during the year: ₹15,000

Std. XII Worksheet 1

Gain on sale of land investments: ₹20,000

Trade Receivables: Increased by ₹30,000 during the year

Trade Payables: Decreased by ₹12,000 during the year.

Q.10 Ananya and Bhavna are partners operating a creative design studio. On April 1, 2025, their Capital Accounts stood at ₹5,000,000 and ₹3,000,000 respectively. Their partnership agreement outlines the following clauses:

- Interest on Capital to be allowed @ 8% per annum.
- Interest on Drawings to be charged @ 10% per annum.
- Ananya is entitled to a monthly salary of ₹15,000.
- Bhavna is entitled to a commission of 10% on the net profit after charging all partner salaries and after charging her own commission.

During the financial year 2025–2026, Ananya withdrew ₹8,000 at the beginning of every month, while Bhavna withdrew a lump sum of ₹90,000 on October 1, 2025. The net profit of the studio before any of the above adjustments for the year ended March 31, 2026, was ₹6,44,000.

Prepare the Profit and Loss Appropriation Account for the year ended March 31, 2026.

Compute the precise ending balances of the partners' capital accounts assuming their capitals are Fluctuating. (6)

**Subject: Economics**

No. of questions: 10

M.M. 25

- Q1.** Consider a scenario where a farmer sells wheat to a bakery, which in turn sells bread to customers. Identify the type of economic flow (real flow or money flow) occurring at each stage. How do these flows contribute to the functioning of the economy? (2)
- Q2.** The government of India is assessing inflation trends using the GDP deflator. Explain what the GDP deflator is and demonstrate how it would be calculated if nominal GDP is ₹100 trillion and real GDP is ₹90 trillion. (2)
- Q3.** A country has a high GDP but faces significant income inequality, environmental degradation, and poor healthcare infrastructure. Based on this scenario, evaluate whether GDP is a reliable measure of economic welfare. Justify your reasoning. (2)
- Q4.** Suppose Country A and Country B have the same GDP, but Country A has a higher population. Critically analyze whether higher GDP always leads to greater per capita availability of goods. Support your answer with reasoning. (2)
- Q5.** While calculating national income, a factory's output value is mistakenly counted twice—once when produced and again when sold. Define this issue of double counting and suggest two methods to correct it in national income computation. (2)
- Q6.** A nation reports a high nominal GDP growth, but its real GDP remains stagnant. Explain the difference between real GDP and nominal GDP, and analyze the possible economic factors contributing to this discrepancy. (3)
- Q7.** A firm produces machines used in manufacturing, while another produces furniture for households. Compare consumer goods and capital goods using these examples. Which of these would be considered final goods? Explain your answer. (3)
- Q8.** A research team is computing the national income of a country using the income method. Suggest three precautions they must take to ensure accuracy and avoid misinterpretation of data. (3)
- Q9.** Analyse whether the following should be included in India's domestic factor income. Provide a rationale for each case. (3)
- (i) A foreign bank operates branches in India and earns profits.
  - (ii) The Indian government provides scholarships to students.
  - (iii) An Indian entrepreneur runs a successful business in Singapore and earns profits.
  - (iv) Indians employed in the American Embassy in India receive salaries.
- Q10.** Students are supposed to design an infographic showcasing different economic indicators such as GDP, inflation rate, unemployment rate, etc. They should explain what each indicator measures, how it is calculated, and its significance in evaluating the health of an economy. (Include visually appealing graphs, charts, and icons to illustrate each indicator and make the information easy to understand at a glance. Utilize colour coding and concise text to highlight key points and ensure clarity. (3)

**Subject: History**

**No. of questions: 10**

**M.M. 25**

**General Instructions:**

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

Q1. The celebrated travelogue titled 'Kitab-ul-Hind', known for its encyclopaedic and structured approach to Indian society, was authored by which scholar? (1)

- (A) Ibn Battuta
- (B) Al-Biruni
- (C) François Bernier
- (D) Abdur Razzaq

Q2. From which North African region did the prolific medieval globetrotter Ibn Battuta set out on his journeys before reaching the court of Muhammad bin Tughlaq? (1)

- (A) Egypt
- (B) Morocco
- (C) Tunisia
- (D) Algeria

Q3. François Bernier, a French traveler who spent twelve years in India (1656–1668), was closely associated as a physician to which Mughal court personality? (1)

- (A) Emperor Akbar
- (B) Prince Dara Shikoh
- (C) Emperor Shah Jahan
- (D) Prince Murad

Q4. Which Indian plant and agricultural product left Ibn Battuta deeply fascinated, describing it as looking like a human head with structural similarities to a nut? (1)

- (A) Paan (Betel leaf)
- (B) Coconut
- (C) Mango
- (D) Jackfruit

Q5. According to François Bernier's foundational comparative critique, what was the primary structural flaw or 'root cause' of the economic decline of Mughal India? (1)

- (A) Widespread corruption in urban markets
- (B) Total absence of private property in land ownership
- (C) Heavy maritime custom duties

(D) Lack of highly skilled local artisans

Q6. Explain the importance of travel accounts in understanding medieval Indian history. (3)

Q7. Differentiate between the accounts of Al-Biruni and Bernier on Indian society. (3)

Q8. Describe the major observations made by François Bernier about the Mughal Empire. (3)

Q9. Explain the contribution of foreign travellers in reconstructing the history of medieval India. (3)

Q10. Analyse the social and cultural life of medieval India as described by foreign travellers. (8)

**Project Work** **20**

**OBJECTIVES**

Project work will help students:

- 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, analyze, 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.

**GUIDELINES:**

I. Students should prepare project of about 45-50 pages for CBSE assessment. The project should be prepared according to the guidelines already issued in class.

The project should include the following sections:

1. Cover page- Displaying the topic.
2. Acknowledgement – Thanking the people or institution that has helped you in completion of your project.
3. Certificate- Mentioning your name and the name of teacher under whose supervision you have completed your work.
4. Index- Giving the list of contents with page numbers.

Std. XII Worksheet 1

5. Introduction- Giving the purpose and importance of a study.
6. Chapters- Give a title to each chapter along with details and pictures.
7. Conclusion- What do you learn from your study?
8. Bibliography- Showing the sources from where you have gathered information.

Present the following in your project report:

- a. Data/Statistical Analysis/Map work
- b. Analysis/Explanation and interpretation
- c. Bibliography

**ASSESSMENT**

**Allocation of Marks (20)**

The marks will be allocated under the following heads:

- Project Synopsis - 2 Marks  
Timeline/explanation and interpretation /Map work -5 Marks  
Visual/overall presentation -4 Marks  
Analysis/ Data/Statistical analysis- 4 Marks  
Bibliography - 1 Mark  
Viva - 4 Marks  
Total 20 Marks

Projects should be in groups only. Students can use primary as well as secondary sources for the research work.

Choose any one of the following topics:

- i. Harappa Civilization - Town planning and artefacts
- ii. Mahabharata through the eyes of a reader.
- iii. Buddhism – Path to enlightenment
- iv. Jainism.
- v. India -Through the Eyes of Travellers - Al-Biruni, Ibn Battuta and Bernier
- vi. Understanding the Bhakti and Sufi Movement in India
- vii. Life of Mughal through paintings
- viii. Glimpses inside Mughals Imperials Household
- ix. Divine Apostle of Guru Nanak Dev
- x. The ‘Brahm Nirupam’ of Kabir – A journey to Ultimate Reality
- xi. The Partition of India in 1947
- xii. Capital city – Hampi
- xiii. Revolt of 1857- Vision of unity behind the first war of Independence
- xiv. Colonial Cities-Bombay, Madras and Calcutta
- xv. Mahatama Gandhi and National movement.
- xvi. The process behind the framing of the Indian Constitution.

**Subject: Political Science**

No. of questions: 10

M.M. 25

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

- To develop 21<sup>st</sup> 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:** - Research and collect the information on recent revolution of political ideas in the world and India, in the following areas.

- Comparison between NITI Aayog and Planning Commission and their contribution in India's Development.
- US-Iran Conflict – A new source of security threat

**Assignment: - Project Work**

Project Ideas

- Various media platforms used during political campaigns.
- One Nation, One Election: Pros and Challenges
- Right to Information (RTI) and Transparency
- Digital Governance and E-Governance in India
- Citizenship Amendment Act (CAA) Debate and Public Opinion
- Strategic planning of Indian Policy Makers.
- Russia-Ukraine War and Its Impact on India
- Human Rights acts and its ratification in India.
- Refugee Crisis and International Human Rights
- Political Impact on Indian Legislations.
- Political Impact on India's international standing.
- AI and Democracy
- Indian political stand on United Nations General Assembly 2025.
- Relevance of SAARC as a forum of regional cooperation.
- Division of Germany with special focus on the construction and dismantling of the Berlin wall.
- CIS- Central Asian Republics.
- Arab Spring
- Crisis in Middle East with special focus on Operation Desert Storm, Operation Iraqi Freedom, Iraq today.
- European Union and BREXIT.
- BRICS
- India's Nuclear Policy.
- U.S. dominance in World politics in the Post-Cold War era.

Std. XII Worksheet 1

- India's role in Non Aligned Movement.
- Civil Society Movements - Role and participation in India.
- Relevance of the United Nations in a Unipolar World.
- Understanding Resource Geopolitics and Environment degradation
- India's external relations -Critical analysis of the foreign policy of India especially with its immediate neighbours (Pakistan, China, Srilanka, Nepal, Myanmar)
- Popular movements in the Post-Independence era and their outcomes.
- Project on the role played by the regional aspirations in backing the secessionist and insurgency movement in India
- India's response to ASEAN as a dialogue partner.

**GUIDELINES FOR THE PROJECTS:**

It must be emphasized that the process of doing the project is as important as the final project. Once the project/projects are chosen, there should be a process of brainstorming to make out a draft/structure for the project before embarking on research.

Internet sites could be referred, but care must be taken in selecting, using and citing these sites.

Avoid plagiarism

Marks to be awarded for content and originality and not for decorative elements and embellishments.

Projects must be the original work of the student.

Project may be supported by- Data, fact sheets, maps, articles, newspaper clips

Maximum of 25-30 page projects.

Q.1 Which two eminent international personalities played an important role in Cuban Missile Crises? Also state their respective countries. (2)

Q.2 What were the benefits of non-alignment to India? (2)

Q.3 As a citizen of India, how would you support India's candidature for the permanent membership of the Security Council? Justify your proposal. (2)

Q.4 In what respect the security challenges facing the newly-independent countries of Asia and Africa were different from the challenges in Europe? Explain. (2)

Q.5 The most serious challenges before the states is pursuing economic development without causing further damage to the global environment. How could we achieve this? Explain with a few examples. (3)

Q.6 Mention two areas each of cooperation and disagreement between India and Bangladesh. (3)

Q.7 What were the major consequences of the Shock therapy on the old system of social welfare of USSR? (3)

Q.8 What are the constraints on American hegemony today? Which one of these do you expect to get more important in the future? (3)

Std. XII Worksheet 1

Q.9 Examine the political and economic diplomatic influence of EU. (5)

Q.10 Explain “Hegemony as Structural Power”. (5)

**Subject: Geography**

No. of questions: 10

M.M. 25

- Q1. State the primary core components that define the extensive reach and scope of geography as a field of study. (1)
- Q2. Geography as a discipline is characterized by dualism. Identify and explain the two major nomenclatures (approaches) used to study this dualism. (1)
- Q3. Which school of human geography employed the Marxian theory to explain problems like poverty and social inequality? State its main objective. (2)
- Q4. Define the core subject matter of human geography. What relationship does it establish? (2)
- Q5. "Nature and human beings are so intricately intertwined that they cannot be separated." Justify this statement with three valid arguments or geographical metaphors. (2)
- Q6. What is meant by 'Dualism in Geography'? Provide two examples of opposing concepts that highlight this dualistic nature. (2)
- Q7. Differentiate between the concepts of Environmental Determinism and Possibilism by highlighting three contrasting points. (2)
- Q8. "Technology loosens the shackles of the environment on human beings." Explain this statement by providing two relevant examples of human adaptation. (5)
- Q9. Describe the concept of the 'Naturalization of Humans'. What stage of human-nature interaction does it represent? (5)

Q10. Case study

Read the source given below and answer the questions that follow:

Benda lives in the wilds of the Abujhmarh area of central India. His village consists of three huts deep in the wilds. Not even birds and stray monkeys cross the place. Wearing a small loin cloth and armed with his axe, he slowly surveys the penda (forest) where his tribe practices a primitive form of agriculture called shifting cultivation. Benda and his friends burn small patches of forest to clear land for cultivation. The ash is mixed with the soil.

Benda considers himself lucky to be a part of this beautiful universe. He takes care to cut only what he needs for survival. He loves the forest and regards it as a mother. He drinks water from the pristine Gajadhara stream to quench his thirst. He offers prayers to the forest deities and thanks them for sustaining his life. The roaring winds and the dense canopy offer him shelter and a sense of deep security

Questions:

1. Identify and name the geographical concept or philosophy depicted in Benda's lifestyle. (1)
2. State the primary reason why Benda's tribe practices shifting cultivation (penda) and relies entirely on manual tools like an axe. (1)
3. Contrast Benda's relationship with nature against the concept of 'Humanisation of Nature'. Give two points of difference. (1)

**Subject: Informatics Practices**

No. of questions: 10

M.M. 25

**I Consider the table BANK and write SQL queries for the following:**

AccNo	CustName	AccountType	Balance	OpenDate	BranchID
101	Rohan	Savings	45000	2021-05-10	1
102	Meera	Current	70000	2020-08-15	2
103	Aarav	Savings	30000	2022-01-20	NULL
104	Diya	Current	90000	2019-11-05	1
105	Kabir	Savings	25000	2021-09-12	NULL

Q1. Create the BANK table.

Q2. Insert a new record where BranchID is not known.

Q3. Increase balance by 5000 for all customers whose balance is less than 40000.

Q4. Display customers whose name starts with 'M'.

Q5. Display customers who do not have a BranchID assigned.

Q6. Delete records of customers whose name contains letter 'a'.

Q7. Display AccNo, CustName and Balance in descending order of Balance.

Q8. Show customer names and balances for account types Savings or Current.

Q9. Display customers whose second letter is 'i'.

Q10. Show the maximum balance from the table

Q11. Show the number of customers in each AccountType.

Q12. Display the total balance for each AccountType.

Q13. Show the average balance of each AccountType.

Q14. Display the maximum balance for each AccountType.

Q15. Show the minimum balance in each AccountType.

Q16. Display BranchID and total balance for each branch.

Q17. Show AccountType where average balance is greater than 50000.

Std. XII Worksheet 1

Q18. Display BranchID having more than one customer.

Q19. Show total balance of branches where total balance exceeds 100000.

Q20. Count customers in each branch.

Q21. Show AccountType with minimum balance greater than 20000.

Q22. Display AccountType and total customers only for groups having more than 2 customers.

Q23. Show BranchID and highest balance in each branch.

Q24. Display AccountType and total balance in descending order of total balance.

Q25. Show branches where maximum balance is more than 80000.

**Subject: Psychology**

- Q1. ICD10 stands for \_\_\_\_\_ . (1)  
a. International classification of disability 10  
b. International classification of disease 10  
c. Intellectual classification of disease 10  
d. Interventional classification of disease 10
- Q2. A person having a \_\_\_\_\_ sets a standard for guiding her/his actions in life and for judging others. (1)
- Q3. Gurpreet performs poorly in academics. But in his daily life, he provides creative solutions to everyday tasks such as planning events, fixing broken electronics, etc. What would you call Gurpreet? Describe the triarchic theory of intelligence. (2)
- Q4. Why is emotional intelligence receiving increasing attention from educators? (2)
- Q5. Describe the key features of the case study method. (2)
- Q6. Angad has been the topper in the class. He went to the topmost college, where he was neither sensitive to himself nor others. This led to problems in interpersonal relationships concerning his condition. Explain the importance of emotional intelligence in his life. (2)
- Q7. Think of an international conflict. Suggest conflict resolution strategies for the same. (3)
- Q8. Explain the competencies of the Indian notion of intelligence. (4)
- Q9. How is aptitude different from intelligence? Explain how the PASS model helps us in understanding intelligence. (4)
- Q10. Explain the relationship between creativity and intelligence. (4)

**Activity: Discovering the attributes of intelligent persons:**

1. Make a list of all the attributes you consider as manifestations of intelligent behaviour. Using these attributes, try to frame a definition.
2. Discuss your report with your classmate.

**Subject: Physical Education**

- Q1. Define management. (1)
- Q2. Define planning. (1)
- Q3. Differentiate between organising and staffing. (1)
- Q4. Enlist all the committees formed to organise a tournament or sports event. (1)
- Q5. What are the responsibilities of various committees after competition? (2)
- Q6. Explain the causes, precautions, and remedies of knock-knee. (3)
- Q7. Discuss some exercises for the remedy of round shoulders. (3)
- Q8. What do you mean by combination tournament? Discuss league cum knock-out and knock-out cum league with the help of examples. (3)
- Q9. Explain corrective measures for Flatfoot. (5)
- Q10. Explain the various benefits of Women participation in Sports (5)

**Subject: Home Science**

**General Instructions:**

**No. of questions: 10**

**M.M. 25**

Q1. Choose the correct option:

(1)

A profession that provides income and personal satisfaction is called:

- i) Hobby
- ii) Livelihood
- iii) Recreation
- iv) Entertainment

Q2. Define livelihood.

(2)

Q3. State any two objectives of work.

(2)

Q4. Differentiate between paid work and unpaid work.

(2)

Q5. Mention any four qualities required for career success.

(2)

Q6. Why is career planning important for adolescents?

(2)

Q7. Explain the role of Home Science in creating career opportunities.

(3)

Q8. Discuss any three factors affecting career choices.

(3)

Q9. Explain the importance of dignity of labour in society.

(3)

Q10. Activity-based:

(5)

Interview a working professional (teacher, nurse, chef, designer, entrepreneur, etc.) and prepare a short report including:

- Nature of work
- Skills required
- Challenges faced
- Importance of the profession in society

**Subject: Painting**

**General Instructions:**

- Please complete the artwork on an A-2 size ivory sheet.
- Use watercolours for the painting.
- Include proper shading, highlights, and shadows.
- Ensure the drawing follows correct perspective principles.

Q1. Draw 2 still life with at least 3 objects.

(2x10=20)