



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

**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**

**MM.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. Satire occupies a peculiar yet indispensable position within society because it disguises criticism beneath humour. Unlike direct political commentary, satire rarely confronts its subject with solemnity. Instead, it exaggerates human absurdities so dramatically that audiences are compelled to recognise truths they might otherwise resist. Laughter, in this sense, becomes less an expression of amusement than a mechanism of intellectual recognition.
2. Historically, satire has flourished during periods of social contradiction, particularly when institutions project moral authority while simultaneously engaging in hypocrisy. By magnifying these inconsistencies, satirists expose the fragility of reputations that depend heavily upon public performance. Importantly, satire does not merely ridicule individuals; it interrogates collective behaviour, cultural pretensions, and systems of power that often escape scrutiny because they appear normal.
3. Contemporary satire has expanded beyond literature and theatre into digital spaces where memes, parody accounts, and comedic news programmes influence public discourse with remarkable immediacy. A satirical image shared online may reach millions within hours, condensing political criticism into a single ironic statement. However, this accessibility also creates complications. Audiences accustomed to rapid consumption sometimes mistake satire for misinformation or

interpret irony literally. Consequently, satire's effectiveness depends not only upon the creator's skill but also upon the audience's interpretative awareness.

4. Despite these risks, satire remains culturally significant because it challenges complacency. Societies unwilling to tolerate satire often reveal an underlying insecurity regarding criticism itself. Humour may appear light-hearted on the surface, yet effective satire possesses an unsettling quality precisely because it transforms entertainment into confrontation. Beneath the laughter resides discomfort, recognition, and occasionally, reluctant self-awareness.

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

**(i) According to the passage, satire primarily functions by:**

- A. avoiding controversial subjects entirely
- B. entertaining audiences without criticism and humour
- C. presenting criticism through humour and exaggeration
- D. replacing political journalism with humour

**(ii) What does the phrase 'mechanism of intellectual recognition' suggest about laughter in satire?**

- A. reflects confusion among audiences
- B. helps audiences recognise uncomfortable truths
- C. prevents serious interpretation
- D. encourages emotional detachment

**(iii) Why does the passage mention memes and parody accounts?**

- A. argue that literature is no longer important
- B. illustrate how satire now operates through digital culture
- C. criticise social media users
- D. suggest that satire has become less influential

**(iv) The passage suggests that satire may fail when audiences:**

- A. interpret irony too literally
- B. disagree with political opinions
- C. prefer traditional theatre
- D. avoid social media platforms

**(v) Which statement best reflects the author's view of satire?**

- A. Satire is merely superficial entertainment.
- B. Satire weakens democratic societies.
- C. Satire exposes hypocrisy and challenges complacency.
- D. Satire has lost relevance in contemporary culture.

**WRITING**

**Q2.** You are concerned about the rapid spread of misinformation, fake news, and manipulated content on social media platforms. Write a letter to the Editor of a national daily discussing the harmful impact of fake news and suggesting measures to promote responsible digital citizenship and media awareness. (5)

**LITERATURE**

**Answer the following questions in 40 to 50 words:-** (2x3=6)

**Q3.** Why did the Dewan arrange for an old tiger to be brought from the People’s Park? How did this decision eventually contribute to the irony at the end of the story?

**Q4.** Why did Franz feel embarrassed when M. Hamel asked him questions on participles?

**Q5.** Why did the Maharaja decide to ban tiger hunting by anyone except himself?

**Answer the following question in 150 words:-** (5)

**Q6.** ‘*The Tiger King is a satire on arrogance, blind obsession, and the misuse of power.*’ Discuss the statement with examples from the lesson. Divide your answer into at least three small paragraphs.

**ACTIVITY**

**Q7.** Watch the animated film ‘**Father and Daughter**’ on YouTube and answer the question in 120 words. Divide your answer into at least three small paragraphs. (4)

Why does poet Kamla Das look at the ‘young sprinting trees’ while the daughter in the film keeps returning to the same place? Give suitable reasons.

**Suggested Reading List**

**“Reading transforms information into insight and curiosity into knowledge.”**

It broadens our understanding of the world and helps us think beyond surface-level facts. Through books, we encounter new perspectives, cultures, and ideas that shape our imagination and judgement. 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.

<b>Book &amp; Author</b>	<b>Brief Summary</b>
<b>1984 by George Orwell</b>	A chilling dystopian novel about surveillance, censorship, and authoritarian control. Orwell presents a terrifying future where truth is manipulated and individuality is crushed, making the novel strikingly relevant even today.

<b>The Blue Umbrella by Ruskin Bond</b>	Set in the Himalayas, this heartwarming story revolves around a little girl and her beautiful blue umbrella. Simple yet profound, it highlights kindness, jealousy, innocence, and the beauty of human compassion.
<b>The Midnight Library by Matt Haig</b>	Between life and death lies a magical library where every book reveals a different version of one's life. The novel explores regret, choices, mental health, and the search for meaning with emotional depth and hope.

**Subject: Hindi Core**

No. of questions: 10

M.M. 25

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

आज का युग विज्ञान और तकनीक का युग है। मानव सभ्यता के इतिहास में, तकनीक ने हमारे रहने, काम करने, संवाद करने और सोचने के तरीके में क्रांतिकारी बदलाव किए हैं। सुबह उठने के लिए अलार्म से लेकर रात को सोने से पहले स्मार्टफोन की स्क्रीन देखने तक, तकनीक हमारे जीवन के हर पहलू में रच-बस गई है। यह कहना गलत नहीं होगा कि आधुनिक मानव तकनीक के बिना अपने जीवन की कल्पना भी नहीं कर सकता। विज्ञान ने हमें कंप्यूटर, इंटरनेट, स्मार्टफोन, कृत्रिम बुद्धिमत्ता जैसी अनगिनत सौगातें दी हैं, जिन्होंने दुनिया को एक 'वैश्विक गाँव' में बदल दिया है। तकनीक का सबसे सकारात्मक पहलू सूचना तक आसान पहुँच है। इंटरनेट के माध्यम से, दुनिया भर की जानकारी बस एक क्लिक में उपलब्ध है। शिक्षा के क्षेत्र में, ई-लर्निंग और ऑनलाइन कक्षाओं ने ज्ञान को कक्षाओं की दीवारों से बाहर निकालकर हर किसी की पहुँच तक पहुँचा दिया है। स्वास्थ्य के क्षेत्र में, उन्नत चिकित्सा उपकरणों और रोबोटिक सर्जरी ने जटिल बीमारियों के इलाज को संभव और सटीक बना दिया है। संचार के क्षेत्र में, वीडियो कॉल ने भौगोलिक दूरियों को मिटा दिया है। अब हम अपने प्रियजनों से, चाहे वे दुनिया के किसी भी कोने में हों, बात कर सकते हैं। इसके अलावा, परिवहन के उन्नत साधनों ने यात्रा को तेज और आरामदायक बना दिया है। हालाँकि, हर सिक्के के दो पहलू होते हैं। तकनीक के इन लाभों के साथ-साथ, इसके कई गंभीर दुष्प्रभाव भी सामने आए हैं। सबसे बड़ी समस्या 'डिजिटल लत' की है। स्मार्टफोन और सोशल मीडिया के अत्यधिक उपयोग से न केवल शारीरिक स्वास्थ्य पर असर पड़ा है—जैसे आँखों की रोशनी कम होना, मोटापा, और नींद की कमी—बल्कि मानसिक स्वास्थ्य भी प्रभावित हुआ है। लोग अब आभासी दुनिया में अधिक और वास्तविक दुनिया में कम रहने लगे हैं, जिससे अकेलापन और अवसाद बढ़ रहा है। तकनीक का दूसरा नकारात्मक प्रभाव 'निजता का हनन' है। इसके अलावा, आर्टिफिशियल इंटेलिजेंस और ऑटोमेशन के कारण पारंपरिक नौकरियों का खतरा बढ़ रहा है। रोबोटिक मशीनों के आने से कई क्षेत्रों में मानव श्रम की आवश्यकता कम हो गई है, जिससे बेरोजगारी की समस्या विकराल हो सकती है। तकनीक की इस दौड़ में, हमने अपनी कल्पनाशीलता और रचनात्मकता को भी खोना शुरू कर दिया है। हर छोटी जानकारी के लिए गूगल या आी पर निर्भर रहने के कारण, हमारी सोचने की क्षमता धीमी हो रही है।

हृ० "वैश्विक गाँव" का क्या अर्थ है?

हक० दुनिया के सभी गाँव एक जैसे हैं

हख० तकनीक के कारण दुनिया का एक-दूसरे के करीब आना।

हमः गाँवों में इंटरनेट की सुविधा

हमः केवल ग्रामीण क्षेत्रों में तकनीक का प्रयोग।

(ii) गद्यांश के अनुसार, तकनीक का सबसे बड़ा नकारात्मक प्रभाव क्या है?

हमः शिक्षा में सुधार

हमः चिकित्सा में प्रगति

हमः शारीरिक/मानसिक स्वास्थ्य पर असर

हमः परिवहन में तेज़ी।

हमः निम्नलिखित कथन (अ) तथा कारण (क) को ध्यानपूर्वक पढ़िए तथा दिए गए विकल्पों में से कोई एक सही विकल्प चुनकर लिखिए।

**कथन (अ)** तकनीक का सबसे सकारात्मक पहलू सूचना तक आसान पहुँच है

**कारण (क)** इंटरनेट के माध्यम से, दुनिया भर की जानकारी बस एक क्लिक में उपलब्ध है।

1 कथन (अ) तथा कारण (क) दोनों गलत हैं।

2 कथन (अ) गलत है परन्तु कारण (क) सही है।

3 कथन (अ) सही है परन्तु कारण (क) गलत व्याख्या करता है।

4 कथन (अ) सही है और कारण (क) कथन की सही व्याख्या करता है।

हमः आधुनिक तकनीक के प्रमुख सकारात्मक और नकारात्मक प्रभावों का वर्णन करें।

हमः "तकनीक एक दुधारी तलवार है।" गद्यांश के आधार पर इस कथन को स्पष्ट कीजिए।

**प्रश्न 2** 'पराकामी भारतीय सेना' विषय पर 100 से 120 शब्दों में अनुच्छेद लिखिए। (5×1=5)

**प्रश्न 3** रेडियो और टेलीविजन समाचार की भाषा और शैली कैसी होनी चाहिए? (2×2)

**प्रश्न 4** रेडियो, अखबार और टी.वी. में क्या अंतर है।

दिए गए प्रश्नों के उत्तर दीजिए :

**प्रश्न 5** पाठ के आधार पर भक्तिन की तीन विशेषताएँ बताइए।

**प्रश्न 6** 'बाजार दर्शन' पाठ के लेखक जैनेंद्र कुमार के मित्र ने अपनी फिजूल खर्ची का क्या जवाब दिया?

**प्रश्न 7** संसार में कष्टों को सहते हुए भी खुशी और मस्ती का माहौल कैसे पैदा किया जा सकता है?

**प्रश्न 8** 'आत्मपरिचय' कविता में कवि को कैसा संसार पसंद नहीं आता? और कवि कैसे संसार में रहना पसंद करता है?

**प्रश्न 9** सिल्वर वैडिंग नामक कहानी में क्या वर्णन किया गया है?

**प्रश्न 10** पतंगी कागज़ से एक पतंग बनाकर उस पर सैनिकों को धन्यवाद देते हुए दो संदेश लिखिए।

**Subject: Mathematics**

No. of questions: 10

M.M. 25

Q1. Prove that :  $\sin^{-1} \frac{12}{13} + \cos^{-1} \frac{4}{5} + \tan^{-1} \frac{63}{16} = \pi$

2

Q2. Prove that  $\sin^{-1} \frac{3}{5} - \sin^{-1} \frac{8}{17} = \cos^{-1} \frac{84}{85}$

2

Q3. Evaluate the following :

2

(i)  $\sin^{-1}(\sin 10)$       (ii)  $\sin^{-1}(\sin 5)$   
 (iii)  $\cos^{-1}(\cos 10)$       (iv)  $\tan^{-1}\{\tan(-6)\}$

Q4. Simplify each of the following :

2

(i)  $\sin^{-1} \left( \frac{\sin x + \cos x}{\sqrt{2}} \right), -\frac{\pi}{4} < x < \frac{\pi}{4}$

(ii)  $\cos^{-1} \left( \frac{\sin x + \cos x}{\sqrt{2}} \right), \frac{\pi}{4} < x < \frac{5\pi}{4}$

Q5. Prove that :  $\sec^2(\tan^{-1} 2) + \operatorname{cosec}^2(\cot^{-1} 3) = 15$ 

2

Q6. Evaluate each of the following :

3

(i)  $\sin^{-1} \left( \sin \frac{\pi}{3} \right)$       (ii)  $\cos^{-1} \left( \cos \frac{2\pi}{3} \right)$

(iii)  $\tan^{-1} \left( \tan \frac{\pi}{4} \right)$

(iv)  $\sin^{-1} \left( \sin \frac{2\pi}{3} \right)$       (v)  $\cos^{-1} \left( \cos \frac{7\pi}{6} \right)$       (vi)  $\tan^{-1} \left( \tan \frac{3\pi}{4} \right)$

Q7. Prove that :

3

$$\tan^{-1} \frac{1-x}{1+x} - \tan^{-1} \frac{1-y}{1+y} = \sin^{-1} \frac{y-x}{\sqrt{1+x^2} \sqrt{1+y^2}}$$

Q8. Solve the following equations :

3

(i)  $\tan^{-1} \frac{x-1}{x-2} + \tan^{-1} \frac{x+1}{x+2} = \frac{\pi}{4}$

(ii)  $\tan^{-1} 2x + \tan^{-1} 3x = \frac{\pi}{4}$

(iii)  $\tan^{-1} \frac{x-1}{x+1} + \tan^{-1} \frac{2x-1}{2x+1} = \tan^{-1} \frac{23}{36}$

Q9. Solve the following equations :

3

(i)  $\sin^{-1} \frac{3x}{5} + \sin^{-1} \frac{4x}{5} = \sin^{-1} x$

Std. XII Worksheet 2

$$(ii) \sin^{-1}(1-x) - 2\sin^{-1}x = \frac{\pi}{2}$$

$$(iii) \sin[2\cos^{-1}\{\cot(2\tan^{-1}x)\}] = 0$$

Q10. If  $(\tan^{-1}x)^2 + (\cot^{-1}x)^2 = \frac{5\pi^2}{8}$ , then find x

3

**Subject: Physics**

Q1 (i) An electron is moving along the positive x-axis in a magnetic field parallel to the positive y-axis. In what direction will the magnetic force be acting on the electron?

- (ii) The relative magnetic permeability of a substance X is slightly less than unity and that of substance Y is slightly more than unity, then
- X is paramagnetic and Y is ferromagnetic
  - X is diamagnetic and Y is ferromagnetic
  - X and Y both are paramagnetic
  - X is diamagnetic and Y is paramagnetic

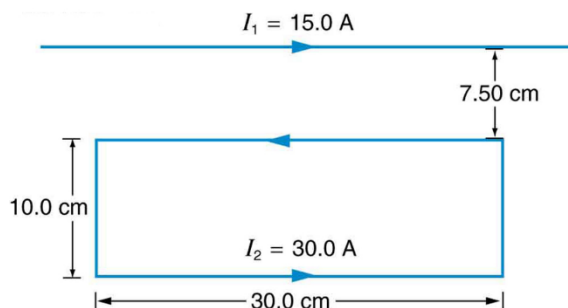
Q2. Compute the magnitude of the magnetic field of a long, straight wire carrying a current of 1A at distance of 1m from it. Compare it with Earth's magnetic field. 2

Q3. Consider a magnetic dipole which after switching ON external magnetic field orient only in two possible ways i.e., one along the direction of the magnetic field (parallel to the field) and another anti-parallel to magnetic field. Compute the energy for the possible orientation. 2

Q4. Calculate the magnetic field inside a solenoid, when

- the length of the solenoid becomes twice and fixed number of turns
- both the length of the solenoid and number of turns are double
- the number of turns becomes twice for the fixed length of the solenoid compare the results.

Q5. Use Ampere's law to find the magnitude and direction of the force acting on the loop. 3



Q6 From a molecular viewpoint, discuss the temperature dependence of susceptibility for diamagnetism, paramagnetism and ferromagnetism. State Curie's law in magnetism. 3

Q7.(i) A bar magnet having a magnetic moment  $\vec{M}$  is cut into four pieces i.e., first cut in two pieces along the axis of the magnet and each piece is further cut into two pieces. Compute the magnetic moment of each piece.

- (ii) A conductor of linear mass density  $0.2 \text{ g m}^{-1}$  suspended by two flexible wire as shown in figure. Suppose the tension in the supporting wires is zero when it is kept inside the magnetic field of 1 T whose direction is into the page. Compute the current inside the conductor and also the direction of the current. Assume  $g = 10 \text{ m s}^{-2}$  (1+2=3)

Std. XII Worksheet 2

Q8. A circular coil with cross-sectional area  $0.1 \text{ cm}^2$  is kept in a uniform magnetic field of strength  $0.2 \text{ T}$ . If the current passing in the coil is  $3 \text{ A}$  and the plane of the loop is perpendicular to the direction of magnetic field. Calculate

- (a) total torque on the coil
- (b) total force on the coil
- (c) average force on each electron in the coil due to the magnetic field of the free electron density for the material of the wire is  $10^{28} \text{ m}^{-3}$ . (1×3=3)

Q9. A bar magnet is placed in a uniform magnetic field whose strength is  $0.8 \text{ T}$ . Suppose the bar magnet orient at an angle  $30^\circ$  with the external field experiences a torque of  $0.2 \text{ N m}$ . Calculate:

- (i) the magnetic moment of the magnet (ii) the work done by an applied force in moving it from most stable configuration to the most unstable configuration and also compute the work done by the applied magnetic field in this case. (1+2=3)

Q10.(i)An electron is moving along the positive x-axis in a magnetic field parallel to the positive y-axis. In what direction will the magnetic force be acting on the electron?

(ii) State Gauss Theorem of magnetism . Express it mathematically . Justify !

(iii) A short bar magnet has a magnetic moment of  $0.5 \text{ J T}^{-1}$ . Calculate magnitude and direction of the magnetic field produced by the bar magnet which is kept at a distance of  $0.1 \text{ m}$  from the center of the bar magnet along (a) axial line of the bar magnet and (b) normal bisector of the bar magnet. (1.5+1+2.5=5)

**Activity:**Modern smartphones contain a magnetometer sensor that works like a magnetic compass. It detects Earth's magnetic field and helps determine directions.

Earth behaves like a giant magnet, producing a magnetic field around it. The compass sensor aligns itself according to Earth's magnetic field lines and points approximately towards magnetic North.

Nearby magnetic substances or magnets can disturb the readings of the compass sensor.

### Activity-Based Questions:

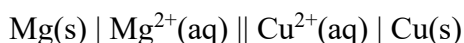
1. Which sensor in the mobile phone helps detect magnetic fields?
2. Why does the compass point in the North–South direction?
3. Why do compass readings change near a magnet?
4. What is meant by Earth's magnetic field?
5. Why is calibration necessary for the mobile compass?

**Subject: Chemistry****No. of questions: 10****M.M. 25****Section A: Very Short Answer****(1x2=2)**Q1. What is the unit of molar conductivity ( $\Lambda_m$ )?

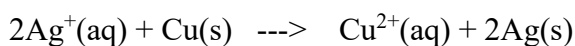
Q2. Define Electrochemical Equivalent.

**Section B: Short Answer Type I****(2x3=6)**

Q3. Write the Nernst equation for the following cell at 298 K:



Q4. Define Kohlrausch's law of independent migration of ions.

Q5. Calculate the standard cell potential ( $E^\circ_{\text{cell}}$ ) for the reaction:(Given:  $E^\circ_{\text{Ag}^+/\text{Ag}} = +0.80 \text{ V}$ ,  $E^\circ_{\text{Cu}^{2+}/\text{Cu}} = +0.34 \text{ V}$ )**Section C: Short Answer Type II****(3x4=12)**

Q6. (a) How does the conductivity of an electrolyte change with a decrease in concentration?

(b) State Faraday's first law of electrolysis.

Q7. What are fuel cells? Explain the  $\text{H}_2\text{-O}_2$  fuel cell with relevant electrode reactions.

Q8. Explain the construction and working of a Lead Storage Battery during the discharging process. Write the cathode and anode reactions.

Q9. The resistance of a conductivity cell containing 0.001 M KCl solution at 298 K is 1500  $\Omega$ . What is the cell constant if the conductivity of 0.001 M KCl solution at 298 K is  $0.146 \times 10^{-3} \text{ S cm}^{-1}$ ?**Section D: Long Answer / Numerical****(5)**

Q10. Answer the following:

(a) How will the pH of brine (aq. NaCl solution) be affected when it is electrolysed? 2

(b) A solution of  $\text{Ni}(\text{NO}_3)_2$  is electrolyzed between platinum electrodes using a current of 5.0 amperes for 20 minutes. What mass of Ni is deposited at the cathode?

(Atomic mass of Ni = 58.7 u) 3

**Subject: Computer Science**

**No. of questions: 10**

**M.M. 25**

- Q1. Define a function. Differentiate between built-in functions and user-defined functions with one example each. (2)
- Q2. Explain the purpose of the following function arguments with suitable examples: (2)  
a) Default arguments b) Keyword arguments
- Q3. What will be the output of the following code? (2)  
`def display(x, y=5): print(x * y) display(4) display(2, 3)`
- Q4. Find the errors and rewrite the correct code. (2)  
`def calc(a,b=2,c) return a+b+c print(calc(5,6,7))`
- Q5. Write a function CheckPrime(n) that returns whether a number is prime or not. (2)
- Q6. Write a recursive function to find the factorial of a number. (2)
- Q7. Observe the following code carefully and answer the questions given below: (3)  
`def compute(a, b): if b == 0: return a else: return compute(b, a % b) print(compute(24, 18))`  
a) Name the type of function used.  
b) What will be the output?  
c) What mathematical operation is performed by the function?
- Q8. Write a function ReverseWords( ) that accepts a sentence and prints the words in reverse order. (3)  
Example: Input: "Python is powerful" Output: "powerful is Python"
- Q9. Write a menu-driven program using functions for the following operations on a list: (3)  
1. Insert an element  
2. Delete an element  
3. Display largest element  
4. Exit
- Q10. Case Study Based Question (4)  
A school stores the marks of students in a list. The school wants to perform different operations using functions.  
Write Python functions for the following:  
a) HighestMarks(L) → returns the highest marks.  
b) AverageMarks(L) → returns the average marks.  
c) CountAbove75(L) → returns the number of students scoring above 75.  
Also write function calls for the list:  
Marks = [67, 89, 45, 91, 76, 84, 59]

**Subject: Biology**

**No. of questions: 10**

**M.M. 25**

- Q1. What is Apomixis? How is it commercially significant for the hybrid seed industry? (1)
- Q2. List the two functions of the Placenta in a human female. (1)
- Q3. Mention the chemical composition and the mode of action of "Saheli" (the oral contraceptive). (2)
- Q4. Differentiate between Incomplete Dominance and Co-dominance with one example each. (2)
- Q5. Why is the DNA Replication called semi-conservative? Who proved it experimentally? (2)
- Q6. Draw a well-labeled diagram of a Human Sperm. Label the Acrosome, Nucleus, and Middle piece. Mention the function of each. (3)
- Q7. Describe the structure of a Nucleosome with a labeled diagram. How many base pairs of DNA are wrapped around one histone octamer? (3)
- Q8. Read the passage and answer the following questions:

In some plants, pollination occurs through abiotic agents like wind and water. Wind-pollinated flowers often have light, non-sticky pollen grains and well-exposed stamens so that the pollen is easily dispersed into wind currents. They also have large, often feathery stigmas to easily trap air-borne pollen grains.

1. Give an example of a wind-pollinated plant. (1)
2. Why do wind-pollinated flowers produce enormous amounts of pollen? (1)
3. Name a plant that is pollinated by water. (1)
4. Are wind-pollinated flowers generally colourful and fragrant? Why or why not? (1)

- Q9. Read the passage and answer the following questions:

The Human Genome Project (HGP) was a 13-year project coordinated by the U.S. Department of Energy and the National Institute of Health. It aimed to sequence all 3 billion base pairs of the human haploid genome. This project has led to the development of a new area in biology called Bioinformatics.

1. Which human chromosome has the most genes and which has the fewest? (1)
2. What are SNPs (Snips)? (1)

- Q10. Explain the Lac Operon model of gene regulation in *E. coli*. Describe the role of the 'Inducer', 'Repressor', and 'Structural genes' in the presence and absence of lactose. (5)

**Subject: Business Studies**

**No. of questions: 10**

**M.M: 25**

- Q.1 The Reserve Bank of India (RBI) reduces the repo rate by 50 basis points. As a result, commercial banks lower their home and car loan interest rates. This prompts a sharp surge in consumer spending on luxury real estate and automobiles. Which dimension of the business environment does this shift represent? 1
- a) Social Environment
  - b) Political Environment
  - c) Economic Environment
  - d) Legal Environment
- Q.2 Apex Garments plans to increase its sales by 25% in the next festive season. The marketing team creates a detailed plan based on the previous year's market conditions. However, a sudden, unexpected change in consumer fashion trends towards sustainable eco-textiles leaves their synthetic winter inventory unsold. This illustrates that: 1
- a) Planning is a time-consuming process.
  - b) Planning reduces overlapping and wasteful activities.
  - c) Planning may not work in a dynamic environment.
  - d) Planning provides directions.
- Q.3 An infrastructure enterprise, Build Well Corp., is constructing a high-speed metro rail corridor. The Project Director divides the entire work into smaller, manageable jobs like track laying, electrical wiring, and station design, assigning each specialized task to competent engineering teams. Which step of the organising process is highlighted here? 1
- a) Assignment of duties
  - b) Identification and division of work
  - c) Departmentalisation
  - d) Establishing reporting relationships
- Q.4 F.W. Taylor advocated that to determine a fair day's work, management should scientifically analyze the movements of workers, eliminate unnecessary physical struggles, and find the optimum time required to finish a job. Which technique of scientific management is being referred to here? 1
- a) Functional Foremanship
  - b) Motion Study
  - c) Fatigue Study
  - d) Method Study
- Q.5 The CEO of Nexus Engineering states in an AGM: "Management is not a static set of rules; it must adapt to changing market landscapes, evolving employee psychology, and shifting technological frontiers." Which characteristic of management is the CEO emphasizing? 1
- a) Management is a continuous process

Std. XII Worksheet 2

- b) Management is a dynamic function
- c) Management is an intangible force
- d) Management is a group activity

Q.6 Pixel Animation Studios has a creative team of 50 graphic designers. The studio head insists that every single creative sketch, color palette choice, and character baseline design must be vetted and signed off by him personally. This micromanagement has led to low morale, zero creative initiative from designers, and severe delays in movie editing schedules.

In the context of the significance of Organising, explain how a structural shift towards Decentralisation could help Pixel Animation Studios restore operational efficiency and creative morale. 3

Q.7 Titanium Steels Ltd. has been following a specific forecasting model for its procurement planning for ten years. This year, despite clear market signals indicating a sharp domestic drop in real estate construction, the management rigidly stuck to their pre-determined raw material import plan. As a result, the firm ended up with massive over-purchased iron ore stock and locked up its liquid capital.

Identify and explain any two distinct limitations of planning that became evident in Titanium Steels Ltd.'s decision-making. 3

Q.8 Vaibhav Enterprise manufactures traditional brass utensils. The Managing Director observes that workers are highly exhausted and frequently take unscheduled breaks, leading to low production output. He hires a management expert to scientifically optimize the workshop operations.

Describe how the expert can use Fatigue Study and Differential Piece Wage System to solve the twin problems of worker exhaustion and low productivity. 4

Q.9 Zenith E-Commerce Ltd. operates in a highly volatile market. The CEO outlines that to survive, the company must constantly monitor the external environment, as it provides both lucrative options to scale up and structural warning bells that could wipe out their market share.

In the light of this statement, explain the importance of the business environment to Zenith E-Commerce Ltd. by focusing on two aspects: "Identifying opportunities and getting the first-mover advantage" and "Tapping useful resources." 4

Q.10 Mega Mart Retail Chain Ltd. wants to open 15 new hypermarkets across Tier-2 cities in India over the next two years. The Managing Director, Mr. Raghav, knows that a goal without a proper execution framework is a mere illusion. He calls a meeting of all regional heads to draft a comprehensive plan.

Analyze the situation and explain the remaining steps of the planning process that Mr. Raghav's team must follow after they have successfully set their organizational objectives and developed their planning premises. 6

**Subject: Accountancy**

**No. of questions:10**

**M.M: 25**

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

Zenith Exports Ltd. is analyzing its financial operational structure over two years. The comparative data indicates that the "Cost of Materials Consumed" went up from ₹4,00,000 in 2025 to ₹6,00,000 in 2026. Simultaneously, "Other Expenses" changed from ₹80,000 to ₹1,20,000.

- Q.1 In a Comparative Statement of Profit and Loss, the absolute change and the corresponding percentage change for "Cost of Materials Consumed" will be recorded as: 1
- (a) ₹2,00,000 increase and 50% increase
  - (b) ₹2,00,000 increase and 33.33% increase
  - (c) ₹2,00,000 decrease and 50% decrease
  - (d) ₹1,00,000 increase and 25% increase
- Q.2 If "Revenue from Operations" was ₹10,00,000 in 2025 and ₹15,00,000 in 2026, what would be the trend percentage for Revenue from Operations using 2025 as the base year? 1
- (a) 50%
  - (b) 150%
  - (c) 66.67%
  - (d) 100%
- Q.3 If a partner withdraws equal sums of money at the end of each quarter throughout the financial year, interest on their total drawings will be calculated for an average period of: 1
- (a) 6 months
  - (b) 4.5 months
  - (c) 7.5 months
  - (d) 5.5 months
- Q.4 Choose the correct statement regarding the presentation of "Unpaid Dividend" and "Unclaimed Dividend" in a company's balance sheet: 1
- (a) Both are shown under Short-term Provisions.
  - (b) Both are shown under Other Current Liabilities.
  - (c) Both are shown under Trade Payables.
  - (d) Unpaid dividend is a current liability; unclaimed dividend is a non-current liability.
- Q.5 When calculating cash flow from operating activities using the indirect method, an increase in "Inventory" is treated as: 1
- (a) An addition to Net Profit before Tax because it represents unearned income.
  - (b) A deduction from Operating Profit before Working Capital changes because it blocks cash.
  - (c) An addition to Operating Profit before Working Capital changes because it reflects physical wealth.
  - (d) An item under Investing Activities rather than Operating Activities.

Std. XII Worksheet 2

Q.6 The management of a retail company wants to evaluate their financial performance.

1. Explain how Horizontal Analysis differs from Vertical Analysis in terms of time horizon and datasets.
2. Identify which type of analysis is being utilized when a company evaluates its internal financial statements via a Common-Size Balance Sheet. 3

Q.7 Distinguish between Fixed Capital Accounts and Fluctuating Capital Accounts of partners based on the following architectural parameters:

1. Number of accounts maintained per partner.
2. Recording of items like interest on capital, salary, and drawings.
3. Circumstances under which the balance of the primary Capital account changes. 3

Q.8 P, Q, and R entered into a partnership on April 1, 2025, to run an eco-tourism project. Their profit-sharing ratio is set at 5:3:2. According to the deed, R is guaranteed a minimum annual profit share of ₹80,000 after all adjustments. Any deficiency arising on account of this guarantee is to be borne by P and Q in the ratio of 3:2 .

The firm earned a net profit of ₹3,00,000 for the year ended March 31, 2026. Prepare a statement showing the final distribution of profits among the partners. 4

Q.9 From the following details provided by Alpha Engineering Ltd., calculate the Inventory Turnover Ratio :

Revenue from Operations: ₹12,00,000

Gross Profit Rate: 25% on Cost of Revenue from Operations (Cost of Goods Sold)

Opening Inventory: ₹1,70,000

Closing Inventory: ₹1,50,000 4

Q.10 From the following structural extracts of the Balance Sheet of Matrix Technologies Ltd., prepare the Cash Flow from Investing Activities and Cash Flow from Financing Activities sections for the year ended March 31, 2026:

Equity & Liability / Assets Line Item	31st March 2026 (₹)	31st March 2025 (₹)
Equity Share Capital	12,00,000	10,00,000
10% Debentures	3,00,000	4,00,000
Plant and Machinery (at Cost)	8,50,000	7,00,000
Accumulated Depreciation on Machinery	1,80,000	1,40,000
Land Investments (Long-term)	2,50,000	3,00,000

Additional Information:

1. During the year, a machine costing ₹80,000 (with accumulated depreciation of ₹30,000) was sold for ₹35,000.
2. Fresh equity shares were issued at par on the final day of the financial year.
3. Interest on debentures paid during the year amounted to ₹40,000.
4. Land investments were sold at a gain of ₹15,000. 6

**Subject: Economics**

No. of questions: 10

M.M. 25

- Q1.** A government is evaluating GDP as an index of welfare but finds that pollution levels have increased due to industrial expansion. How can such externalities challenge GDP as an indicator of societal well-being? Provide a reasoned analysis. (2)
- Q2.** Suppose a central bank wants to control inflation by adjusting the money supply. Define money supply and explain its main components. How can changes in these components influence the economy? (2)
- Q3.** A nation with a high domestic income compared to national income is investigating the causes behind this discrepancy. Distinguish between domestic and national income, and discuss a scenario where domestic product could exceed the national product. (2)
- Q4.** Imagine a bakery purchases flour for making bread and then sells the finished loaves to consumers. Based on this example, explain the classification of goods into intermediate and final goods, and illustrate with other suitable examples. (2)
- Q5.** A company in India pays salaries to employees working in its foreign branch, while an Indian engineer earns wages abroad and sends money home. Define factor income to abroad and factor income from abroad, and provide a relevant example for each case. (2)
- Q6.** A company assesses various economic indicators to determine business stability. Classify whether the following are stock or flow concepts and justify your reasoning:  
(a) Wealth, (b) Cement production, (c) Household savings. (3)
- Q7.** Evaluate whether the following should be included in the national income estimation of a country. Support your answer with appropriate reasoning:  
Bonus received by employees.  
1. Government expenditure on defence.  
2. Money sent by a worker employed abroad to their family. (3)
- Q8.** A policymaker is analysing different components that contribute to net domestic product at market price. Discuss whether each of the following plays a role in its estimation and provide reasoning:  
1. Net indirect tax  
2. Net export  
3. Net Factor Income from Abroad (3)
- Q9.** A school purchases various items, including furniture and teaching supplies. Classify the following as intermediate or final products, providing justification for your classification:  
1. Furniture purchased by the school.  
2. Chalk, duster, etc., purchased by the school. (3)

**Q10.** You are supposed to choose an economic news article from a reputable source and analyse its impact on the economy. You need to summarize the article, identify key economic concepts discussed, and provide their insights and opinions on the topic. (3)

**Subject: History**

**No. of questions: 10**

**M.M. 25**

- Q1. Which of the following animals was NOT routinely depicted on Harappan seals or verified through faunal remains as a domesticated animal? 1
- (A) Sheep
  - (B) Goat
  - (C) Horse
  - (D) Cattle
- Q2. The distinctive Harappan site of Chanhudaro was almost exclusively devoted to which economic activity? 1
- (A) Metallurgical smelting
  - (B) Craft production and bead-making
  - (C) Monumental citadel construction
  - (D) Grid-pattern farming
- Q3. Which structural feature of Harappan urban planning deeply impressed early archaeologists with its absolute uniformity and hygienic design? 1
- (A) Multi-storeyed pillared palaces
  - (B) Advanced street drainage networks
  - (C) Circular open-air amphitheatres
  - (D) Large dynamic marketplace squares
- Q4. From which geographical region did the Harappans primarily source the precious deep blue stone known as Lapis Lazuli? 1
- (A) Lothal, Gujarat
  - (B) Shortughai, Afghanistan
  - (C) Khetri, Rajasthan
  - (D) Meluhha, Oman
- Q5. Harappan weights, used systematically for domestic and long-distance trade transactions, were generally made of which stone and followed which structural shape? 1
- (A) Steatite, spherical
  - (B) Chert, cubical
  - (C) Carnelian, cylindrical
  - (D) Jasper, conical
- Q6. Describe the layout and the distinct structural features of the 'Citadel' in Harappan urban planning. 3
- Q7. What distinct archaeological strategies and parameters do historians utilize to track and identify social differences within Harappan society? 3

Std. XII Worksheet 2

- Q8. Explain the unique methods used by the Harappans to source raw materials for craft production from both internal and external regions. 3
- Q9. State the major arguments and evidence advanced by archaeologists regarding the complete collapse and decline of the Harappan Civilisation by 1900 BCE. 3
- Q10. Discuss the domestic architecture, residential layout, and revolutionary drainage system built within the Lower Town of Mohenjodaro. 8

**Subject: Political Science**

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

- To develop 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.
- Health Epidemic – 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 2022.
- 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.
- 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

Std. XII Worksheet 2

- 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 movements 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.

**No. of questions: 10**

**M.M. 25**

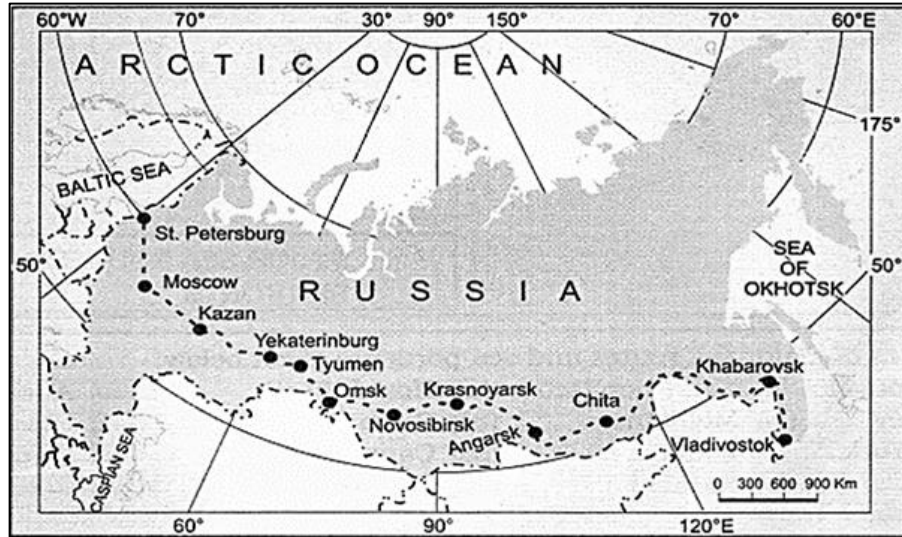
- |  |   |
|--|---|
| Q.1 Why the Western and Eastern alliances were called so?  | 2 |
| Q.2 Give one argument given by the supporters of the US action of dropping atomic bombs.   | 2 |
| Q.3 What was the consequence of the end of the Second World War? Give reasons.   | 2 |
| Q.4 Discuss any three features that distinguish the Soviet economy from that of a capitalist country like the US?                                  | 2 |
| Q.5 Give an example each of the three kinds of hegemony that are dealt with in the chapter. Do not cite examples that are in the chapter.          | 3 |
| Q.6 'Reforming the UN means restructuring of the Security Council'. Do you Agree with this statement? Give arguments for or against this position. | 3 |
| Q.7 Nuclear weapons as deterrence of defence have limited usage against contemporary security threats to state. Explain the statement.             | 3 |
| Q.8 Write a short note on the role and the limitations of SAARC as a forum for facilitating economic cooperation among the South Asian countries.  | 3 |
| Q.9 Examine Indo-Pak relations in the light of recent developments.  | 5 |
| Q.10 Discuss India's relations with Bangladesh.  | 5 |

**Subject: Geography**

No. of questions: 10

M.M. 25

Q1. Study the map carefully and answer the questions that follows: -



- (i) Name the railway line shown in the map. 1
- (ii) Name two ocean coasts which are being connected by this line. 1
- (iii) Write significance of this railway line. 1

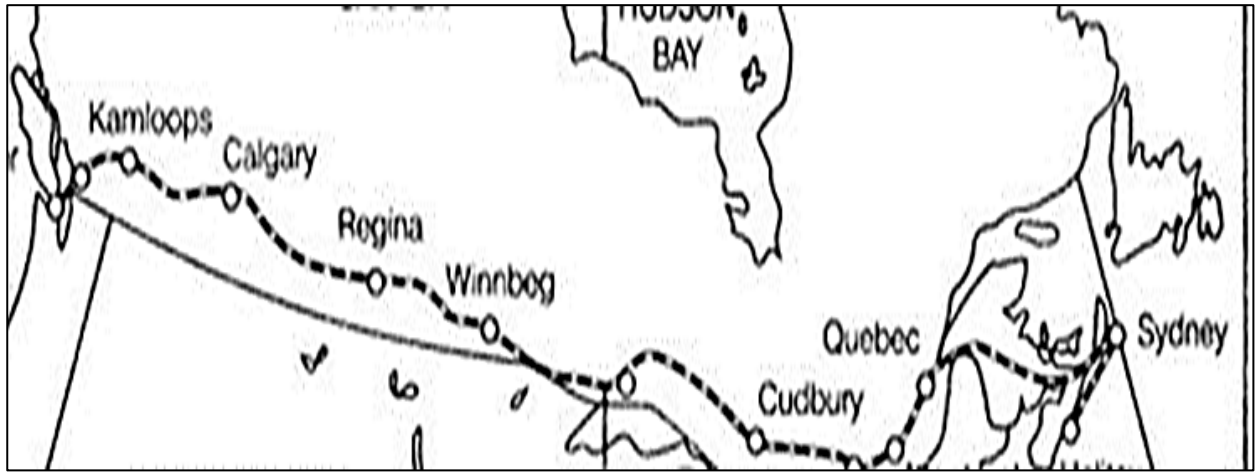
Q2. Study the map carefully and answer the questions that follows-

- (i) Identify the type of waterway 1
- (ii) Name the seas connected through this waterway 1
- (iii) Name the end ports of this waterway 1



Q3. Study the given map carefully and answer the questions that follows: -

- (i) Identify the railway line in the given map. 1
- (ii) Name the terminal station to east and the west coast 1
- (iii) Mark the oceans lying to the east and west of the terminal stations. 1



Q4. Study the given map and answer the questions: -

- (i) Name the waterway and the countries served by this waterway.
- (ii) Why it is considered important for Europe.

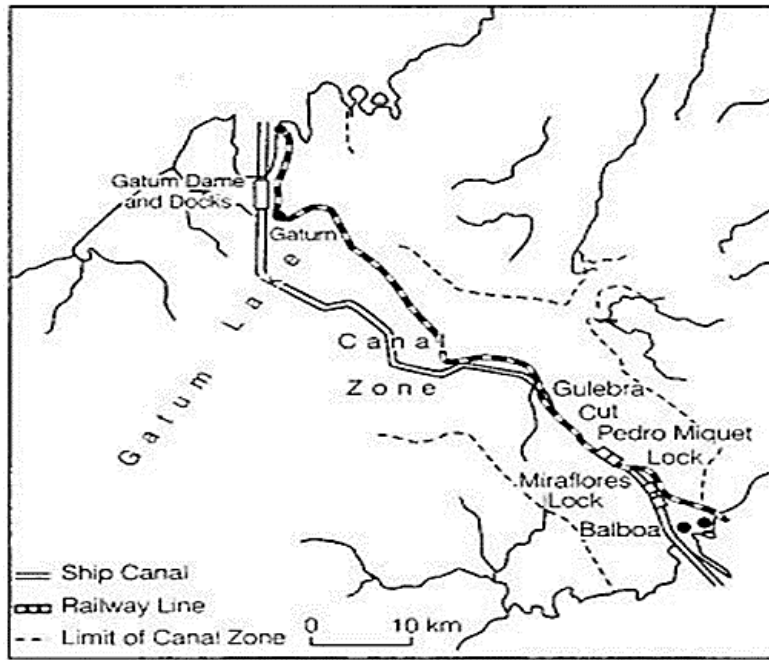
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1



Q5. Study the map carefully and answer the questions:-

- (i) Identify the canal Zone and write its importance.
- (ii) Name the terminal points of this canal zone and the connecting seas.
- (iii) Explain is the lock system of this canal.

1  
1  
1



Q6. Study the given map and answer the questions that follows-

- (i) Identify the type of agriculture practiced in the shaded areas 1
- (ii) Write 5 characteristics associated with this type of practice 2

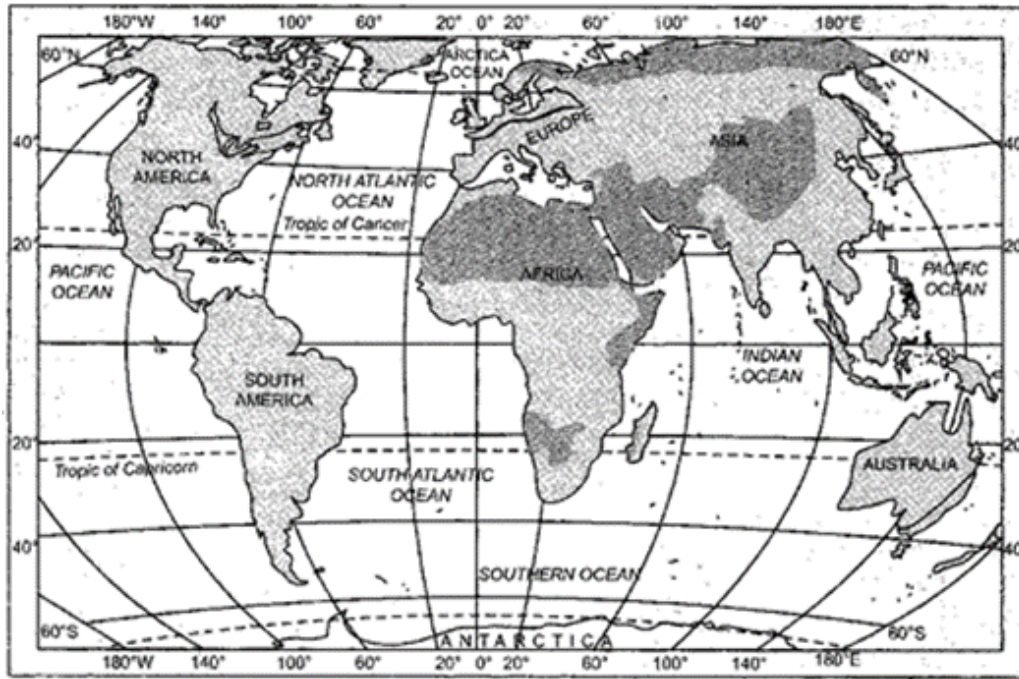


Q7. Study the given map carefully and answer the questions that follows-

- (i) Identify the type of cultivation 1
- (ii) Name the major crops cultivated in these areas. 1
- (iii) 'Low yield per acre but high yield per person' justify the statement. 1



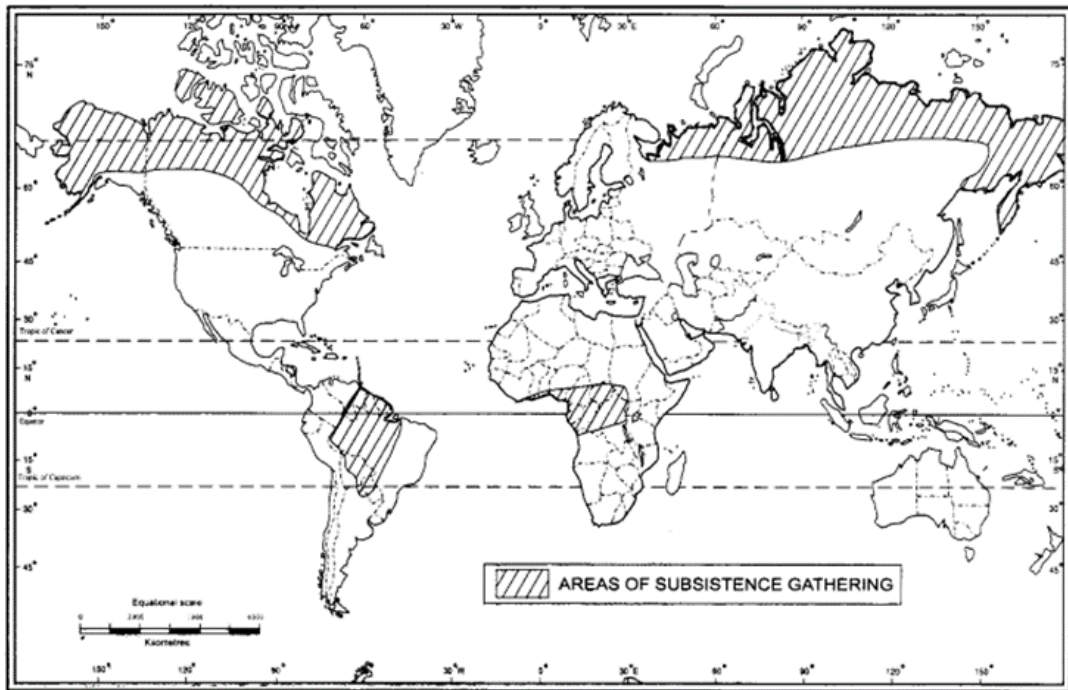
Q8. Identify the region where this type of agriculture is practiced. Give reason for its decreasing trend.



1

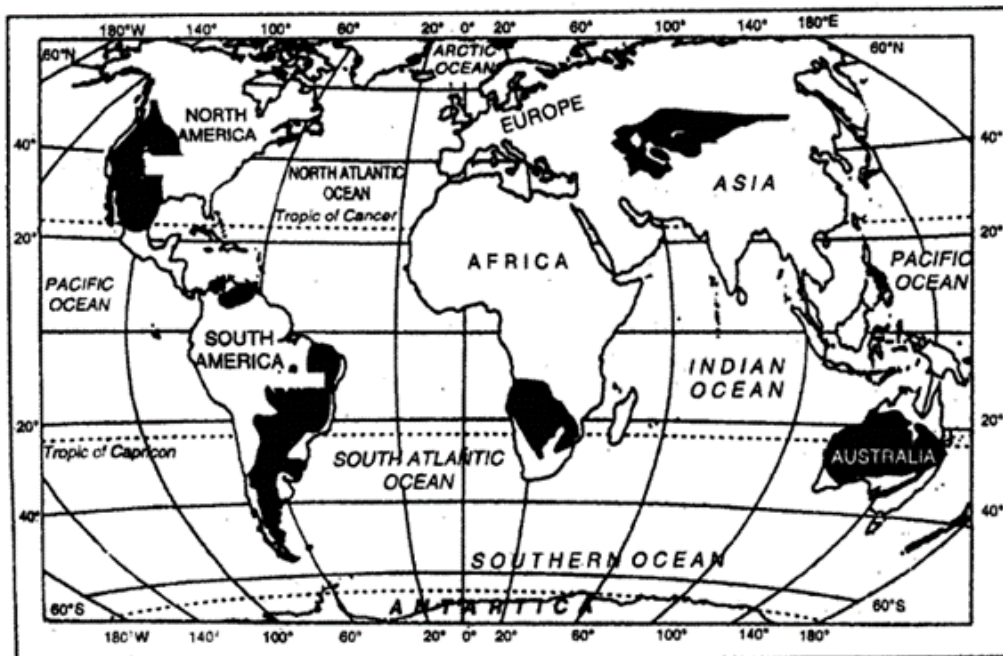
Q9. Look at the map given below and identify the type of activity is practiced and write important characteristic of this type of cultivation.

2



Q10. Identify and write the characteristics of this type of economic activity

2



**Subject: Informatics Practices**

**No. of questions: 10**

**M.M. 25**

Q1. A teacher stores marks of students in a Pandas Series. (1)

```
import pandas as pd
s = pd.Series([78, 85, 90], index=['A','B','C'])
```

What will be the output of:

```
print(s['B'])
```

- A. 78                      B. 85                      C. 90                      D. Error

Q2. Predict the output: (1)

```
import pandas as pd
```

```
s = pd.Series([10,20,30,40])
```

```
print(s[2]) print(len(s))
```

Q3. Find the error in the following code: (1)

```
import pandas as pd
```

```
s = pd.series([1,2,3])
```

```
print(s)
```

Q4. A shopkeeper stores prices of products using Pandas Series. (2)

```
import pandas as pd
price = pd.Series({'Pen':10, 'Book':50, 'Bag':500})
```

- a) Write the output of: `print(price['Book'])`  
b) Write the command to display all index labels.

Q5. A weather department records temperature of four days in a Series. (2)

Write a program to:

- Create the Series
- Display maximum temperature

Q6. A store records monthly sales using Pandas Series. (2)

```
sales = pd.Series([25000, 30000, 28000], index=['Jan','Feb','Mar'])
```

- a) Find total sales.  
b) Find month with highest sales.

Q7.a) Write a program to create a Series of numbers and display only values greater than 20 (2)

b) A hospital records patients admitted during a week. (3)

```
patients = pd.Series([120, 145, 132, 160, 150], index=['Mon','Tue','Wed','Thu','Fri'])
```

- a) Find the maximum number of patients admitted.  
b) Find the total number of patients admitted.  
c) Which day had highest admissions?

Std. XII Worksheet 2

Q8. Differentiate between Series and DataFrame in Pandas. (2)

Q9 Predict the output: (3)

```
import pandas as pd
sales = pd.Series([25000, 30000, 28000], index=['Jan','Feb','Mar'])
print("Maximum Sales:", sales.max())
print("Total Sales:", sales.sum())
print("Month with Highest Sales:", sales.idxmax())
```

Q10. What is a Pandas Series? How is it created? Explain with example. (3)

Q11. Write a program to: (3)

- Create a Series storing electricity consumption of 4 houses
- Display:
  - o total consumption
  - o highest consumption
  - o house with highest consumption

**Subject: Psychology**

- Q1. Intelligence tests provide a \_\_\_\_\_ of a person's general cognitive competence, including the ability to profit from schooling. 1
- Q2. Aptitude tests are used to predict what an individual will be able to do if given proper \_\_\_\_\_ and \_\_\_\_\_. 1
- Q3. Define intellectual deficiency. 2
- Q4. What is Buddhi? 2
- Q5. State the characteristics of individuals with a type A personality. 2
- Q6. You have assessed 20 peers of your class for mathematical comprehension/ knowledge. Create a distribution for the results you are most likely to expect. What is the shape of this distribution? 2
- Q7. How can a faulty behaviour be modified with a token economy? Elucidate with the help of an example. 3
- Q8. The evidence for hereditary influences on intelligence comes mainly from studies of twins and adopted children. Concerning the role of environment, studies have reported that as children grow in age, their intelligence level tends to move closer to their adopted parents. Children from disadvantaged homes adopted into families of higher socio-economic status exhibit a large increase in their intelligence scores. There is evidence that environmental deprivation lowers intelligence while rich nutrition, good family background, and quality schooling increase intelligence. There is a consensus among psychologists that intelligence is the product of the complex interaction of heredity and environment. Heredity can be viewed as something that sets a range within which an individual's development is shaped by the support and opportunities of the environment. Studies have also shown the correlation between twins reared together (.60) and siblings reared together (.50) and siblings reared apart (.25) to share intelligence. 4
- i. As children grows in age, their \_\_\_\_\_ tends to closer to their adoptive parents.
- |                       |                  |
|-----------------------|------------------|
| a. Moral value        | b. Mental level  |
| c. Intelligence level | d. All the above |
- ii. Environmental deprivation lowers \_\_\_\_\_
- |                 |                      |
|-----------------|----------------------|
| a. Insight Ness | b. Intelligence      |
| c. wisdom       | d. None of the above |
- iii. The evidence for the hereditary influences on intelligence comes mainly from
- |                     |                                |
|---------------------|--------------------------------|
| a. studies of twins | b. studies of adopted children |
| c. both a & b       | d. neither a & nor b           |
- iv. Children from disadvantaged homes adopted into families of higher socio-economics status exhibit a large increase in their \_\_\_\_\_.
- |                       |                        |
|-----------------------|------------------------|
| a. educational status | b. intelligence scores |
| c. social status      | d. All the above       |

Std. XII Worksheet 2

Q9. Rehaan is good at solving mathematical problems. Which intelligence according to Gardener would he excel in? Write the key characteristics of multiple intelligence. 4

Q10. How do Alfred Adler and Karen Horney explain personality development? 4

**Activity: Prepare a Practical file. (5 Practical)**

Sequence to write Psychological Test:-

1. Introduction of the test
2. Aim
3. Test Material
4. Introduction of the subject
5. Test Procedure
  - (a) Pre-arrangement
  - (b) Instructions
6. Precautions
7. Introspective Report
8. Behavioural Report
9. Scoring Method
10. Result Table
11. Explanation and Analysis
12. Conclusion

**Subject: Physical Education**

- |  |   |
|--|---|
| Q1. What is staircase method?  | 1 |
| Q2. Explain cyclic method in league tournament.  | 1 |
| Q3. What is the procedure to allocate seeding?   | 1 |
| Q4. Differentiate between knockout and league tournament.  | 1 |
| Q5. Write a short note on eating disorder.   | 2 |
| Q6. Describe the method of preparing fixture in knock-out tournament in detail.                    | 3 |
| Q7. What do you mean by tournament? Elucidate the importance of tournaments in detail.             | 3 |
| Q8. Describe corrective measures of some common spinal postural deformities.                       | 3 |
| Q9. Enlist the committees for organizing sports events and explain any eight committees in detail. | 5 |
| Q10. Explain the reasons for the less participation of women players in sports.                    | 5 |

**Subject: Home Science**

No. of questions: 10

M.M. 25

Q1. Fill in the blank:

(1)

Handloom weaving is a famous traditional occupation of many \_\_\_\_\_ areas of India.

Q2. Define traditional occupation.

(2)

Q3. Name any four traditional occupations practiced in India.

(2)

Q4. Differentiate between traditional occupations and modern occupations.

(2)

Q5. State any two challenges faced by traditional artisans today.

(2)

Q6. Why are traditional occupations important for Indian culture?

(2)

Q7. Explain the contribution of traditional occupations to the Indian economy.

(3)

Q8. Discuss the role of women in preserving traditional occupations.

(3)

Q9. Explain how technology and modernization have affected traditional occupations.

(3)

Q10. Activity-based:

(5)

Prepare a scrapbook/project on any one traditional occupation of India such as pottery, embroidery, weaving, handicrafts, bamboo work, or folk painting. Include:

- State/region where it is famous
- Raw materials used
- Process of production
- Pictures or illustrations
- Present-day importance

**Subject: Painting**

**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 5 fruits

Q2. Draw a vegetable composition