Sindhi High School- KK Road, Bengaluru-01

Periodic Test-II(2025-26)

English Language and Literature

Grade : 10

Date : 17 /07/2025

No of sides :5

Marks : 30

Time :1 hour 10 minutes

Reading Time : 8-8.10am

Writing time : 8.10-9.10 am

General Instructions:

This paper contains two sections. All sections are compulsory.

Section A – Reading – 05 marks

Section B – Writing & Grammar – 10 marks

Section C – Literature – 15 marks

- *Read all the questions carefully*
- *Attempt all questions*
- *Write the correct question number for each answer*

SECTION A- READING(5m)

I Read the given passage and answer the questions that follow:

1. Have you ever opened your eyes underwater and found everything blurry and greenish? Or noticed how muffled and strange sounds become? Under the sea, humans are practically helpless without special equipment. Yet, fish and certain marine creatures navigate with surprising ease. A significant reason for this is a biological phenomenon called electroreception – the ability to detect and respond to electric signals in the environment. This special sense is only found in aquatic or amphibious species and, not in others because water is an excellent conductor of electricity. Isn't it a wonder of nature?

2. Electroreception exists in two forms. While all living beings generate faint electric fields through their nervous systems, some creatures possess passive electroreception – the ability to sense electric fields produced by others. This allows them to detect hidden or camouflaged prey, even in murky waters.

3. Sharks are perhaps the most well-known animals that rely heavily on electroreception. Although many people fear swimming in the ocean because of them, shark attacks on humans are usually accidents. Sharks are precision hunters. Most of their brain is dedicated to smell, and they first detect

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their prey through scent. As they approach their target, they rely more on electroreception to make their final strike – often attacking with such certainty that they retract their eyes to protect them.

4. Humans, on the other hand, have no natural electroreceptive abilities. When sharks mistake a person for prey, they might take a "test bite," which is rarely fatal,but definitely injurious. Human flesh is lean and muscular and doesn't appeal to sharks as much as soft, fatty prey like seals. However, if a human is bleeding, the salt in the blood enhances the electric field, potentially triggering a feeding frenzy, causing the shark to attack them. .

5. To counter such incidents, scientists are developing artificial electroreceptors. These devices aim to confuse sharks and keep them away from populated swimming areas.Despite many observations, scientists still do not fully understand the inner workings of electroreception. Research is ongoing to uncover how marine animals use this sense for communication, defence, and even navigation. Some theories suggest sharks might detect Earth's magnetic fields interacting with seawater to guide their migration. Clearly, the underwater world is still full of mysteries, and electroreception remains one of its most fascinating secrets.

A)Answer the following:

1. For the assertion and reasoning question choose the correct option: (1)

Assertion (A): Sharks often attack their prey with great accuracy.

Reason (R): They rely on passive electroreception and use it effectively during the final moments of attack.

Options:

(a)Both A and R are true, and R is the correct explanation of A.

(b)Both A and R are true, but R is not the correct explanation of A.

(c)A is true, but R is false.

(d) A is false, but R is true.

2. The statement that (Human flesh is lean and muscular and doesn't appeal to sharks as much as soft, fatty prey like seals is a _____(fact/opinion)and it is _____ (subjective/objective) in nature. (1)

3. How do artificial electroreceptors help reduce shark attacks? (1)

4. What is the tone of the writer in this passage? (1)

Options:
(a) Humorous and casual   (b) Critical and argumentative
(c) Informative and exploratory   (d) Fearful and alarming

5. Write the synonym of the word 'murky' from paragraph 2.   (1)

SECTION B- WRITING & GRAMMAR(10 m)

11. Complete any Five out of Seven of the following, as directed: (1×5=5)

(i)Select the correct option to fill in the blank for the given sentence:

_____ you help me cross the road, young man?

(a) Will   (b) May   (c) Shall   (d) Might

(ii) Ritu met Anita and saw her crying.

Report Ritu's question.

Ritu: "Anita, what is the matter?"

(iii) Read the conversation between Raj and his wife and complete reporting the dialogue:

Raj: I have invited my friends for dinner.

Wife: I'll invite my friends too.

Raj told his wife that he had invited his friends for dinner. The wife added that _____ .

iv) Select the option that identifies the error and supplies the correction iin the given sentence:

The proximate cause of the Leicester clashes was ostensibly tension after an India – Pakistan match.

Error	Correction
Of	For
Was	has been
Tension	Tensions
An	The

v)Select the correct option to fill in the blank for the given line from a short story:

But he was tired and weak with hunger and he _____not rise, exhausted by the strange exercise.

a) could   b)would   c)need   d)dare

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vi) Fill in the blanks using the correct form of the verb from the bracket given below:

I would like to bring to your notice the unsanitary conditions in our colony. Rubbish and garbage
_____ (lie) in heaps everywhere.

vii) Identify the error in the given sentence and supply the correction in the given format:

I expect the authorities to take action on this issue at the earliest, or we would have to raise it on social media.

III A Manisha is to write an analytical paragraph on 'Smoking is a silent killer of life'. Using your own ideas and the outline given below, write this paragraph on her behalf in 100-120 words. Smoking is actually a silent killer _____ nicotine is a poison _____ dangerous to various vital organs _____ smoking a cigarette shortens _____ causes a deadly disease _____ guide our smoking youth _____ ensure good health to all Indians

OR

B. The following pie charts show the percentage of students taking admission in different faculties of XYZ University over a certain period of time. Write an analytical paragraph on your understanding of the given data:

Year : 2015   Year : 2019
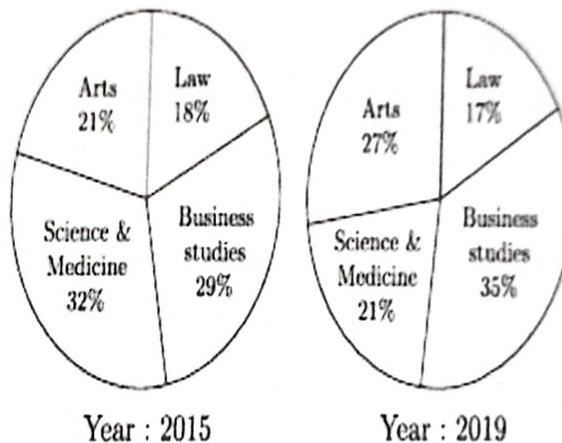
SECTION C- LITERATURE(15m)

IV. Read the given extract and answer the questions that follow: (3x1=3)

He stalks in his vivid stripes

The few steps of his cage,

On pads of velvet quiet,

In his quiet rage.

He should be lurking in shadow,

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Sliding through long grass
Near the water hole
Where plump deer pass.

a) Why is the tiger in a 'quiet rage'?

b) The figure of speech in the line 'in his quiet rage' is _____

c) What is the tone of the poet? What is he trying to depict?

V. Answer the following questions in 50-60 words each: (Any two)   (2x3=6)

a) Nelson Mandela speaks of twin obligations. What are they? (Nelson Mandela : Long Walk to Freedom)

b) Give a brief character sketch of Fowler. What are the values reflected in his character?(A midnight visitor)

c) 'Every journey of a thousand miles begins with but a single step.' With reference to the chapter 'His First Flight', analyse the statement. (Two Stories About Flying)

VI. Answer in a paragraph. (100-120 words)   (6x1=6)

a) The most important message is that all people have the right to live in freedom. Just because people may be a different religion or race, doesn't mean that they should be treated differently. Prepare a set of dialogues that happened between yourself and Nelson Mandela based on 'your experiences and 'A Long Walk to Freedom'.

You may begin like this:

Me: I detest the world when they treat people differently on basis of their caste, creed or religion.

Mandela: I faced discrimination in my country too _____

Or

The ultimate message that one can get from 'The Midnight Visitor' is that in any situation we should not panic instead we should take a step and face the situation with our presence of mind. Enumerate your takeaway from the lesson and how the characters reflect the same.

SINDHI HIGH SCHOOL, K.K.ROAD
PERIODIC TEST -2 (2025-26)
SUBJECT:- SECOND LANGUAGE HINDI

GRADE: X

DATE:- 15-7-2025

NO. OF SIDES:-3

TOTAL MARKS: 30

TIME :1hr 10min

READING TIME:-8 TO 8:10 am

WRITING TIME :- 8:10 TO 9:10 am

खंड – 'क'

1.निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़कर इसके आधार पर सर्वाधिक उपयुक्त उत्तर वाले विकल्प चुनकर लिखिए : (7)

हर्बल-ऑर्गेनिक (जैविक) आहार ऐसे आहार होते हैं जो प्राकृतिक रूप से शुद्ध और ताजा होते हैं और स्वास्थ्य के लिए लाभकारी हैं। परंपरागत व्यंजन, पेय पदार्थ, फल-सब्जियों और मसाले ऋतु के अनुसार हमारे भोजन का महत्त्वपूर्ण हिस्सा रहे हैं। परंपरागत और स्वदेशी भोजन एवं पेय पदार्थ पाश्चात्य फास्टफूड एवं रसायन युक्त कोल्ड ड्रिंक्स के शानदार विकल्प हैं। सरकार, व्यापारियों और दुकानदारों को नया कुछ भी नहीं करना है। बस उन्हें पहले से स्थापित भोजनालयों, दुकानों एवं शैक्षणिक संस्थाओं, कम्पनी कार्यालयों की कैंटीनों, मॉल्स तक इनको पहुँचाना है। परंपरागत खाद्य पदार्थों के साथ ऑर्गेनिक खाद्य एवं पेय पदार्थों की बिक्री के लिए विशेष व्यवस्था की जानी चाहिए। ऑर्गेनिक फलों और सब्जियों के ताज़ा जूस, सूप, शेक, दूध, छाछ, लस्सी, शरबत, ठंडाई, हर्बल चाय, जौ, गेहूँ, मक्का या बाजरे की राबड़ी, नींबू की शिकंजी के साथ ऑर्गेनिक फल भी उपभोक्ताओं को उपलब्ध करवाए जा सकते हैं। साधारण ढाबों से लेकर पाँच सितारा होटलों तक शरबत, नारियल पानी, जुवारे का जूस, तरबूज का जूस, सत्तू और छाछ जैसे पेय पदार्थों को उपलब्ध करवाकर इनको उपभोक्ताओं में लोकप्रिय बनाया जा सकता है। पृथक से हर्बल फूड सेंटर बनाकर वहाँ ऑर्गेनिक हरी सब्जियों, दालों एवं मिलेट्स से निर्मित भोजन भी उपलब्ध करवाया जा सकता है। अंकुरित दालें, अनाज, दही, मक्खन, मक्का की घाट को भी लोकप्रिय बनाया जा सकता है। भारतीय स्वदेशी परंपरागत पेय पदार्थ, व्यंजन एवं मिष्ठान्न, बाजार में लोकप्रिय होने से स्वदेशीकरण, समृद्ध किसान और आत्मनिर्भर भारत का सपना साकार होगा । इस तरह के सेंटरों की मदद से रोज़गार के अवसर तो बढ़ेंगे ही रासायनिक खेती से खराब होते खेतों और मानव स्वास्थ्य को भी बचाया जा सकता है।

(1) निम्नलिखित कथन तथा कारण को ध्यानपूर्वक पढ़िए। दिए गए विकल्पों में से सही विकल्प चुनिए और उत्तर लिखिए । 1

कथन : स्वदेशी, परंपरागत और जैविक खाद्य और पेय पदार्थों की लोकप्रियता से देश की आर्थिक स्थिति सुदृढ़ होगी । 1

कारण : स्वदेशीकरण किसानों की समृद्धि और देश की आत्मनिर्भरता का आधार है। 1

विकल्प : (A) कथन और कारण दोनों गलत हैं।

(B) कथन सही है, लेकिन कारण गलत है।

(C) कथन सही है और कारण उसकी सही व्याख्या है।

(D) कथन गलत है, किंतु कारण सही है।

1

(II) फास्टफूड एवं रसायन युक्त पेय पदार्थों से बचने के लिए -

    (A) स्वदेशी भोजन एवं परंपरागत पेय का उपयोग करारा जवाब है।

    (B) हर्बल-ऑर्गेनिक सामान सहजता से उपलब्ध करवाना होगा ।

    (C) हर्बल-ऑर्गेनिक पेय एवं खाद्य पदार्थ स्वास्थ्य के लिए लाभदायक हैं।

    (D) पाँच सितारा होटलों में ऑर्गेनिक टैग लगा भोजन खाना बेहतर है।

(III) परंपरागत भोजन को लोकप्रिय कैसे बनाया जा सकता है ?

    i. उपलब्धता बढ़ाकर

    ii. प्रचार-प्रसार द्वारा

    iii. बिक्री की विशेष व्यवस्था करके

    iv. घर-घर मुफ्त ऑर्गेनिक सामान बाँटकर

    विकल्प :

        (A) ii-iii   (B) iii-iv   (C) i-iv   (D) i-iii

(IV) आत्मनिर्भर भारत का सपना कैसे पूरा होगा ?   2

(V) हर्बल फूड सेंटर कहाँ-कहाँ लाभदायक होंगे ?   2

खंड - 'ख'

II. रेखांकित वाक्य में पदबंध के भेद बताइए -   (3)

1. राहुल मैदान में <u>खेल रहा है</u>।
2. <u>रात भर जागने वाले तुम</u> कैसे सो गए।
3. <u>पेड़ पर बैठे हुए पक्षी</u> चहचहा रहे हैं।

III. समास विग्रह कर समास के भेद बताइए -   (3)

1. दोपहर,   2. रातों-रात   3. नीलगगन

IV. समस्त पद बनाकर समास के भेद बताइए -   (2)

1. रसोई के लिए घर
2. महान है जो राजा

V. निम्नलिखित मुहावरों के अर्थ लिखकर वाक्य बनाइए -   (2)

1. छोटा मुँह बड़ी बात -   2. लोहे के चने चबाना

खंड ग

VI. निम्नलिखित प्रश्नों के उत्तर लिखिए -   (2x4=8)

1. मीरा ने कृष्ण से अपनी पीड़ा हरने की प्रार्थना किस प्रकार की है?
2. धर्म तले के मोड़ पर आकर जुलूस क्यों टूट गया?
3. 26 जनवरी 1930 का दिन क्यों महत्वपूर्ण था?
4. मीरा श्रीकृष्ण को पाने के लिए क्या -क्या कार्य करने को तैयार हैं ?

खंड घ

VII. अपने मोहल्ले में फैली गंदगी की ओर ध्यान आकर्षित करते हुए स्वास्थ्य अधिकारी को एक पत्र लिखिए

(5)

xxxxxxxxx

I. ಈ ಕೆಳಗಿನ ಗದ್ಯಾಂಶವನ್ನು ಓದಿಕೊಂಡು, ಕೆಳಗೆ ಕೊಟ್ಟಿರುವ ಪ್ರಶ್ನೆಗಳಿಗೆ ಸರಿಯಾದ ಉತ್ತರ ಆರಿಸಿ ಬರೆಯಿರಿ.

ಮೂಡಲಾಪುರವೆಂಬ ಊರು. ಅಲ್ಲಿ ಹಲವು ರೈತಾಪಿ ಕುಟುಂಬದವರು ವಾಸ ಮಾಡುತ್ತಿದ್ದರು. ಸಿದ್ಧರಾಮನೂ ಸಹ ತನ್ನ ಕುಟುಂಬದ ಜನರೊಂದಿಗೆ ಅಲ್ಲಿಯೇ ವಾಸ ಮಾಡುತ್ತಿದ್ದನು. ಒಂದು ಸಂಜೆ ಸಿದ್ಧರಾಮನು ತನ್ನ ತಂದೆಯು ಬಿತ್ತಿದ್ದ ನವಣೆಯ ಹೊಲದ ಬದಿಯಲ್ಲಿ ನಿಂತಿದ್ದನು. ಅವನ ಸಂಗಡಿಗರೆಲ್ಲ ಎಲ್ಲೊ ದೂರದೂರ ಹೋಗಿದ್ದರು. ಸಿದ್ಧರಾಮನೋ ತೆನೆಗಳ ಭಾರದಿಂದ ಬಾಗಿ ಹೆತ್ತು-ಹೊತ್ತು ಸಲಹಿದ ಭೂಮಿತಾಯಿಗೆ ನಮಸ್ಕರಿಸುವಂತೆ ನಿಂತಿದ್ದ ಹೊಲವನ್ನು ನೋಡುತ್ತ ನಿಂತಿದ್ದಾಗ ಅಲ್ಲಿಗೆ ಓರ್ವ ಜಂಗಮಮೂರ್ತಿಗಳು ಬರುತ್ತಾರೆ. ಅವರ ಗಂಭೀರವಾದ ಮುಖ ಮುದ್ರೆ, ಹೊಳೆಯುವ ಕಣ್ಣುಗಳು, ವಿಶಾಲವಾದ ಫಾಲದಲ್ಲಿ ಒಪ್ಪುವ ವಿಭೂತಿ ಅವರನ್ನು ಕಾಣುತ್ತಲೇ ಸಿದ್ಧರಾಮ ಅವರ ಕಾಲಿಗೆರಗುತ್ತಾನೆ. 'ಶಿವಮಸ್ತು ವತ್ಸ' ಎನ್ನುತ್ತ ಜಂಗಮರು ಅವನನ್ನು ಹಿಡಿದೆತ್ತಿದರು. ಅವರ ಅಮೃತ ಹಸ್ತ ಸ್ಪರ್ಶದಿಂದ ಸಿದ್ಧರಾಮನ ತನು ಪುಳಕಿತವಾಯಿತು ಅವನ ಅಂಗಾಂಗಗಳಲ್ಲಿ ಅದುವರೆಗೂ ಅವನು ಅರಿಯದಿದ್ದ ಶಕ್ತಿಯೊಂದರ ಸಂಚಾರವಾಯಿತು. ಸಿದ್ಧರಾಮನು ಕೂಡಲೆ ಕಂಬಳಿಯೊಂದನ್ನು ಹಾಸಿದ. ಆ ಹಾಸಿದ ಕಂಬಳಿಯ ಮೇಲೆ ಹೊಸದಿತ್ತ ನವಣೆಯ ಬೆಳಸಿಯನ್ನು ಸೇವಿಸಿದರು ಆ ಜಂಗಮ ಮೂರ್ತಿಗಳು. ಅಷ್ಟಕ್ಕೆ ಅವರ ಹಸಿವೆ ಹಿಂಗಿದಂತೆ ತೋರಲಿಲ್ಲ.'ಮನೆಗೆ ಹೋಗಿ ಮಜ್ಜಿಗೆ-ಅಂಬಲಿ ತರುವೆಯಾ?'ಎಂದು ಕೇಳಿದರು. "ಓ ತರುತ್ತೇನ" ಎಂದ ಸಿದ್ಧರಾಮ ಆದರೆ ನಾನು ತರುವವರೆಗೆ ಅವರು ಇರುವರೋ ಇಲ್ಲವೋ ಎಂಬ ಶಂಕೆ ಬಾಧಿಸಲು ಅಂಜುತ್ತ ಕೇಳಿದ ನಾನು ಬರುವವರೆಗೂ ನೀವಿಲ್ಲೇ ಇರುವಿರೇನು? ತಮ್ಮ ಬಗ್ಗೆ ನಂಬಿಕೆ ಇದೆ. ಆದರೂ ನಿಮ್ಮನ್ನು ಕೇಳುತ್ತಿದ್ದೇನೆ.

' ತಮ್ಮ ಹೆಸರೇನು?'

' ಮಲ್ಲಯ್ಯ '

1

ತಾವಿರುವುದೆಲ್ಲಿ?

'ಶ್ರೀ ಶೈಲದಲ್ಲಿ'

ಶ್ರೀಶೈಲ ಎಂಬ ಶಬ್ದವನ್ನು ಕೇಳುತ್ತಲೇ ಮಂತ್ರಮುಗ್ಧನಾದ ಸಿದ್ಧರಾಮ. "ನಾನೂ ಅಲ್ಲಿಗೆ ಬರಲೇ"? ಎಂದು ಕೇಳಿದ. ಬರುವೆಯಂತೆ ಮೊದಲು ಅಂಬಲಿ-ಮಜ್ಜಿಗೆಯನ್ನು ತೆಗೆದುಕೊಂಡು ಬಾ ಎಂದರು ಜಂಗಮ ಮಲ್ಲಯ್ಯನವರು. ತರುತ್ತೇನೆ ಆದರೆ ನಾನು ಬರುವವರೆಗೂ ನೀವಿಲ್ಲಿಯೇ ಇರಬೇಕು ಎಂದು ಅನುಮಾನಿಸುತ್ತಲೇ ಹೋದ ಸಿದ್ಧರಾಮಯ್ಯ. ಅವನು ಮನದಲ್ಲಿ ಹಲವು ಗೊಂದಲಗಳನ್ನು ಬಿಡಿಸುತ್ತಾ ಸಾಗುತ್ತಿದ್ದನು. ಹಾದಿಯಲ್ಲಿ ಸಿಕ್ಕ ಜನರಿಗೆಲ್ಲ ನಾನು ಅಂಬಲಿ-ಮಜ್ಜಿಗೆ ತರುವವರೆಗೂ ಜಂಗಮರು ಎಲ್ಲಿಗೂ ಹೋಗದಂತೆ ನೋಡಿಕೊಳ್ಳಿ ಎಂದು ಮನವಿ ಮಾಡಿಕೊಳ್ಳುತ್ತಿದ್ದನು. ಇದನ್ನು ನೋಡಿದ ಜನರು ಅವನನ್ನು 'ಮುಗ್ಧರಾಮ' ಎಂದು ಕರೆದರು.

ಪ್ರಶ್ನೆಗಳು:-   1x5=5

೧ ಸಿದ್ಧರಾಮನ ತನು ಪುಳಕಿತವಾಗಲು ಕಾರಣ ಇದು.

   ಅ) ಜಂಗಮರ ಮಾತಿನಿಂದ   ಆ) ಜಂಗಮರ ನೋಟದಿಂದ

   ಇ) ಅಮೃತ ಹಸ್ತ ಸ್ಪರ್ಶದಿಂದ   ಈ) ಜಂಗಮರ ಆಶೀರ್ವಾದದಿಂದ

೨ ಇವುಗಳು ಭೂಮಿತಾಯಿಗೆ ನಮಸ್ಕರಿಸುವಂತೆ ಕಾಣುತ್ತಿದ್ದವು.

   ಅ) ಹೊಲದಲ್ಲಿದ್ದ ಹುಲ್ಲುಗಳು   ಆ) ಹೊಲದಲ್ಲಿದ್ದ ಮರಗಳು

   ಇ) ಹಾಸಿದ್ದ ಕಂಬಳಿ   ಈ) ಹೊಲದಲ್ಲಿದ್ದ ನವಣೆ ತೆನೆಗಳು

೩ ಸಿದ್ಧರಾಮನ ತಂದೆ ವಾಸಿಸುತ್ತಿದ್ದ ಊರು ---------

   ಅ) ಮೂಡುಗೆರೆ   ಆ) ಮೂಡಲಾಪುರ

   ಇ) ಮಾವಿನ ಕೆರೆ   ಈ) ಮೂಡಾಲಪುರ

೪ ಜಂಗಮರು ಸಿದ್ಧರಾಮನಿಗೆ ಮನೆಯಿಂದ ತರಲು ಹೇಳಿದ ವಸ್ತು

   ಅ) ಹಾಸಿಗೆ-ಹೊದಿಕೆ   ಆ) ಮಜ್ಜಿಗೆ-ನೀರು

   ಇ) ಮಜ್ಜಿಗೆ-ಅಂಬಲಿ   ಈ) ಅನ್ನ ಸಾಂಬಾರು

2

ೀ ಜಂಗಮರು ಹೇಳಿದ ಈ ಶಬ್ದವನ್ನು ಕೇಳಿ ಸಿದ್ಧರಾಮ ಮಂತ್ರಮುಗ್ಧನಾದನು.

    ಅ) ಅಂಬಲಿ   ಆ) ವತ್ಸ

    ಇ) ಮಲ್ಲಯ್ಯ   ಈ) ಶ್ರೀಶೈಲ

II. ನಿಮ್ಮ ಶಾಲೆಯಲ್ಲಿ ಆಚರಿಸಿದ ಅಂತರ್ ರಾಷ್ಟ್ರೀಯ ಯೋಗ ದಿನಾಚರಣೆಯನ್ನು ಕುರಿತು ವರದಿ ತಯಾರಿಸಿ (4)

III. ಕೆಳಗಿನ ವ್ಯಾಕರಣಾಂಶಗಳಿಗೆ ಸರಿಯಾದ ಉತ್ತರವನ್ನು ಆರಿಸಿ ಬರೆಯಿರಿ:   (4X 1=4)

I. ಕೆಳಗೆ ಕೊಟ್ಟಿರುವ ಸಂಧಿ-ಸಂಧಿ ಪದಗಳನ್ನು ಹೊಂದಿಸಿ ಬರೆಯಿರಿ.

a) ವಿದ್ಯಾಭ್ಯಾಸ   1) ಜಸ್ತ್ವ ಸಂಧಿ

b) ಮನ್ವಂತರ   2) ವೃದ್ಧಿ ಸಂಧಿ

c) ಷಡಾನನ   3) ಸವರ್ಣದೀರ್ಘ ಸಂಧಿ

d) ಲೋಕೈಕ   4) ಯಣ್ ಸಂಧಿ

                  5) ಆದೇಶ ಸಂಧಿ

   A)   a-4   b-3   c-2   d-1

   B)   a-3   b-4   c-1   d-2

   C)   a-3   b-5   c-1   d-4

   D)   a-2   b-5   c-4   d-1

II. ಈ ಕೆಳಗಿನ ಪದಗಳಲ್ಲಿ ಸರಿಯಾದ ಸಮಾಸ ಪದಗಳನ್ನು ಹೊಂದಿಸಿ ಬರೆಯಿರಿ :-

a ಬಿಳಿಕುದುರೆ   1) ದ್ವಿಗು ಸಮಾಸ

b ನಕುಲಸಹದೇವರು   2) ತತ್ಪುರುಷ ಸಮಾಸ

c ಹಗೆದೋರು   3) ಕರ್ಮಧಾರೆಯ ಸಮಾಸ

d ಸಪ್ತಸ್ವರಗಳು   4) ಕ್ರಿಯಾಸಮಾಸ

                 5) ದ್ವಂದ್ವ ಸಮಾಸ

A   . a-1   b-2   c-3   d-4

B.   a-2   b-4   c-1   d-2

C.   a-3   b-5   c-4   d-1

D.   a-4   b-3   c-1   d-5

III. "ಮರದತ್ತಣಿಂ"ಎಂಬ ಪದವು ಪಂಚಮಿ ವಿಭಕ್ತಿ ಯಾದರೆ, "ಮರನಂ"ಎಂಬ ಪದವು ಈ ವಿಭಕ್ತಿಯಾಗಿದೆ.

    A) ಪಂಚಮಿ   B) ದ್ವಿತೀಯ   C) ಸಪ್ತಮಿ   D) ತೃತೀಯ

VI." ಹುಡಿ- ಉಡಿ" - ಈ ಪದಗಳ ಅರ್ಥ ವ್ಯತ್ಯಾಸವು ಕ್ರಮವಾಗಿ ಹೀಗಿದೆ------

A) ಮಡಿಲು -ಮಡಿ   B) ಧೂಳು- ಮಡಿ   C) ಧೂಳು-ಮಡಿಲು   D) ಮಡಿಲು-ಧೂಳು

IV. ಕೆಳಗಿನ ವ್ಯಾಕರಣಾಂಶಗಳಿಗೆ ಸೂಚಿಸಿದಂತೆ ಉತ್ತರಿಸಿ.   (3X1 =3)

    ೧ 'ಮುಕ್ತಕಂಠ' ಈ ಪದವನ್ನು ವಾಕ್ಯದಲ್ಲಿ ಬಳಸಿರಿ.

    ೨ ಶ್ರೀಕೃಷ್ಣನು ಅರ್ಜುನನಿಗೆ ಗೀತೆಯನ್ನು ಬೋಧಿಸಿದನು.(ಕರ್ಮಣಿ ವಾಕ್ಯವನ್ನಾಗಿ ಮಾಡಿರಿ)

    ೩ ಕೆಳಗೆ ಕೊಟ್ಟಿರುವ ಗಾದೆಗಳ ಅರ್ಥವನ್ನು ಬರೆಯಿರಿ

    ಅ) ಕೂಡಿ ಬಾಳಿದರೆ ಸ್ವರ್ಗ ಸುಖ   ಆ) ಮಾತೇ ಮುತ್ತು, ಮಾತೇ ಮೃತ್ಯು

V. ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗೆ ಮೂರು/ ನಾಲ್ಕು ವಾಕ್ಯಗಳಲ್ಲಿ ಉತ್ತರಿಸಿ   (2X2=4)

 ೧ ಶಿಕ್ಷಣದ ಬಗ್ಗೆ ವಿಶ್ವೇಶ್ವರಯ್ಯ ಅವರು ಏನೆಂದು ಕೇಳಿದ್ದಾರೆ?

 ೨ ಕುಂತಿ ಮಾದ್ರಿಯರು ಯಾರ್ಯಾರ ಅನುಗ್ರಹದಿಂದ ಮಕ್ಕಳನ್ನು ಪಡೆದರು?

VI. ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗೆ ಸಂದರ್ಭಸಹಿತ ಸ್ವಾರಸ್ಯವನ್ನು ವಿವರಿಸಿ:   (2X3=6)

    ೧ "ರವಿಸುತನ ಕಿವಿಯಲಿ ಬಿತ್ತಿದನು ಭಯವ"

    ೨ "ತಾವು ಕಡಿಮೆ ಮಾತನಾಡಿದ್ದೀರಿ,ಹೆಚ್ಚು ಕೆಲಸ ಮಾಡಿದ್ದೀರಿ"

VII. ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗೆ ಏಳು/ ಎಂಟು ವಾಕ್ಯಗಳಲ್ಲಿ ಉತ್ತರಿಸಿ:   (4)

 ೧ ವಿಶ್ವೇಶ್ವರಯ್ಯನವರು ಮೈಸೂರು ದಿವಾನರಾಗಿ ಸಲ್ಲಿಸಿದ ಸೇವೆಯನ್ನು ಕುರಿತು ಬರೆಯಿರಿ

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Date: 15/07/2025

CLASS & SECTION: 10A/B/C

No. of Sides: 04

Marks: 30

Reading time: 8:00am - 8:10am

Writing Time: 8:10am - 9:10am

खण्डः – क (अपठितम् – गद्यम्)

I. अधोलिखितं गद्यं पठित्वा प्रश्नानाम् उत्तराणि संस्कृतभाषया लिखत । (6)

भारतवर्षमस्माकं प्रियो देशो वर्तते। आर्यावर्तः, हिन्दुस्थानम् इति आदिभिः विविधैः नामभिः प्रसिद्धमस्ति अस्माकं भारतवर्षम्। दुष्यन्तशकुन्तलयोः पुत्रस्य भरतस्य नाम्ना अस्य देशस्य नाम 'भारतवर्षम् अभवत् इति प्रसिद्धम्। भरतस्य शासित्त्वादेतत् 'भारतम्' इति कथ्यते। भारतस्य स्थानं विश्वस्य सर्वेषु देशेषु प्राचीनतम् विशिष्टतमम् अस्ति । अत्रैव मानवसंस्कृतेः सभ्यतायाश्च प्रतीकभूतज्ञानराशिः वेदाः सृष्ट्यारम्भे प्रकटीभूताः । भारतवर्षम् उत्तरदिशायां हिमालयपर्वतादारभ्य दक्षिणस्यां दिशि कन्याकुमारीपर्यन्तं विस्तृतं वर्तते। उत्तरस्यां दिशि देवतात्मा हिमालयो नाम नगाधिराजोऽस्य शिरसि हिमरजतमुकुटमिव सुशोभते। सः प्रहरीव भारतं रक्षति। अस्य दक्षिणस्यां दिशायां सागरः स्वविमलजलैः अस्य चरणौ सततं प्रक्षालयति। उक्तम् अपि-

उत्तरं यत् समुद्रस्य हिमाद्रेश्चैव दक्षिणम् ।

वर्षं तद् भारतं नाम भारती यत्र सन्ततिः ॥

अ. एकपदेन उत्तरं लिकत । (½x2=1)

१. कस्य नाम्ना अस्य देशस्य नाम 'भारतवर्षम्' इति प्रसिद्धमभवत्?

२. वेदाः कस्याः प्रतीकभूतज्ञानराशयः सन्ति ?

३. भारतस्य शासितत्वादेतत् किम् कथ्यते?

आ . पूर्णवाक्येन उत्तरत- (1x2=2)

१. भारतवर्षम् कियत् विस्तृतं वर्तते ?

२. कस्यां दिशायां कः च भारतस्य चरणौ सततं प्रक्षालयति ?

३. भास्तस्य स्थानं विश्वस्य सर्वेषु देशेषु कस्मिन् प्रकारे अस्ति?

इ. यथानिर्देशं लिखत ।

१. अनुच्छेदे 'कदाचित्' इति पदस्य कः विपर्ययः प्रयुक्तः?

   (क) अस्माकम् (ख) वेदः (ग) प्राचीनतमम् (प) सततम्

२. 'नगाधिराजः' इति विशेषणपदस्य कः विशेष्यः अनुच्छेदे आगतः ।

   (क) हिमालयः (ख) भारतम् (ग) प्रियः (घ) अस्य

३. 'दिशायाम्' पदस्य पर्यायः गद्यांशे कः प्रयुक्तः ?

   (क) प्रहरी (ख) विविधैः (ग) दिशि (घ) रक्षति

४. "सः प्रहरीव भारतं रक्षति"। अत्र क्रयापदम् अस्ति

   (क) प्रहरी   (ख) भारतम् (ग) सः (घ) रक्षति

खण्डः – ख – रचनात्मकं कार्यम्

II. भवती प्रभा अस्ति। स्वमातरं प्रति स्वस्वास्थ्यविषये लिखितम् इदं पत्रं मञ्जूषायाः सहायतया पुनः सम्पूर्णं लिखतु ।   (½x10=5)

विद्यालयपरिसरः

(i) _____

समादरणीयाः (ii) _____

सादर प्रणामाः।

अत्र कुशलं तत्रास्तु। सम्प्रति मम (iii) _____परीक्षाः सञ्चरति ।अत्र छात्रावासे पठनस्य वातावरणं तु शोभनं वर्तते। अत्र अध्यापकाः अपि च अतीव कर्मठाः सन्ति। अतः पठस्य कार्य(iv)_____ एव भवति, परन्तु अध्ययनकारणात् शयनस्य भोजनस्य च (v)_____एव न प्राप्यते। अतः अद्यत्वे मम(vi)_____ सुष्ठु नास्ति । अहं (vii) _____पीडिता अस्मि । परं काचिद् अपि(viii)_____ नैव करणीया। आशासे अहं शीघ्रमेव पूर्णतया स्वस्था भविष्यामि। परीक्षायाः अनन्तरं(ix)_____ आगमिष्यामि। तदा वयं मिलित्वा भ्रमणाय वाराणसीनगरं गमिष्यामः। पित्रे (x) _____

भवत्याः पुत्री

प्रभा

> **मञ्जूषा** - वार्षिकी, शिमलातः, ज्वरेण, मातृचरणाः, गृहम्, स्वास्थ्यम्, समुचितम्, नमः, समयः, चिन्ता ।

2

II. चित्रं दृष्ट्वा चत्वारि वाक्यानि लिखत । (½×4=2)

मञ्जूषा -

| भवनम् , मेघाः , वृक्षः . यानम् , मार्गः , विद्युत्स्थम्भाः , आपणाः , अस्ति , चलति , वर्धते |

III. अनुवादं कुरुत । (केवलं पञ्च) (1X5=5)

०१	Where did you go yesterday?	कल तुम कहाँ गए थे ?
०२	The child studies with friends.	बालक मित्रों के साथ पढ़ता है।
०३	We play in the garden.	हम बाग में खेलते हैं।
०४	I will go to the temple on my birthday.	मैं अपने जन्मदिन पर देवालय जाऊँगा।
०५	Our life should be disciplined.	हमारा जीवन अनुशासित होना चाहिए।
०६	Bharat is the land of saints.	भारत ऋषियों की भूमि है।

खण्डः – ग – व्याकरणम्

IV. समासं / विग्रहवाक्यं विकल्पेभ्यः चिनुत । (केवलं चत्वारि) (1x4=4)

1. शरीरस्थः महान् रिपुः ।

(क) महारिपुः (ख) महाँरिपुः (ग) महरिपुः (घ) महांरिपु

3

2. न वेत्ति **निर्बलः** ।

(क) निर्गतः बलः (ख) बलेन सह (इ) बलस्य अभावः (घ) निर्गतं बलं यस्यात् सः

3. ततः तापसौ **कुशलवौ** प्रविशतः ।

(क) लवः कुशः (ख) लवौ च कुशौ च (ग) लवाः च कुशाः च (घ) लवः च कुशः च

4. **देहस्थितः** देहविनाशाय ।

(क) देहे स्थितः (ख) देहाय स्थितः (ग) देहस्य स्थितः (घ) देहम् स्थितः

5. **राजासनं** खल्वेतत् ।

(क) राज्ञः आसनम् (ख) राजा आसनम् (ग) राज्ञि आसनम् (घ) राजा आसनम्

V. प्रश्नवाचकानि वाक्यानि लिखत । (1x2=2)

०१. कुशलवौ **रामम्** उपसृत्य प्रणमतः ।

०२. गुणी **गुणं** वेत्ति ।

खण्डः – ग - पठितम् गद्यम्

VI. अधोलिखितं गद्यं पठित्वा प्रश्नानाम् उत्तराणि संस्कृतभाषया लिखत ।

रामः : अहो। उदात्तरम्यः समुदाबारः। किं नामपेयो भवलोगुरुः?

लवः : ननु भगवान् बाल्मीकिः ।

रामः : केन सम्बन्धेन ।

लवः : उपनयनोपदेशेन ।

रामः : अहमत्रभवतोः जनर्क नामतो वेदितुमिच्छामि ।

लवः : न हि जानाम्यस्य नामवेवम्। न कश्चिदस्मिन् तपोवने तस्य नाम व्यवहरति ।

रामः : - अहो माहात्म्यम् ।

कुशः : जानाम्यहं तस्य नामधेयम् ।

रामः : कथ्यताम्

कुशः : निरनुक्रोशो नाम....

रामः : वयस्य, अपूर्वं खलु नामपेयम्।

विदूषकः : (विचिन्त्य) एवं तावत् पृच्छामि निरनुक्रोश इति क एवं भणति?

कुशः : अम्बा ।

विदूषकः : किं कुपिता एवं भणति, उत प्रकृतिस्था?

4

कुशः -यद्यावयोर्यालभावजनितं किञ्चिदविनयं पश्यति तदा एवम् अधिक्षिपति-निरनुक्रोशस्य

पुत्री, मा चापलम् इति ।

विदूषकः : एतयोर्यदि पितुर्निरनुक्रोश इति नामधेयम् एतयोर्जननी तेनावमानिता निर्वासिता एतेन

वचनेन दारको निर्भर्त्सयति ।

अ. पूर्णवाक्येन उत्तरत- (1×2=2)

१. माता कदा पुत्रौ 'निरनुक्रोशस्य पुत्रौ' इति अधिक्षिपति ?

२. लवकुशयोः अम्बां प्रति विदूषकः किम् अकथयत् ?

आ. निर्देशानुसारम् उत्तरत- (1×2=2)

१. 'पुत्रौ' इत्यर्थे गद्यांशे किं पदं प्रयुक्तम् ?

२. 'ननु भगवान् वाल्मीकिः' अत्र विशेषणपदं किम् ?

VIII. अधोलिखितश्लोकस्य अन्वयं मञ्जूषातः उचितं पदं चित्वा लिखत । (½×4=2)

क्रोधो हि शत्रुः प्रथमो नराणां,

  देहस्थितो देहविनाशनाय ।

यथास्थितः काष्ठगतो हि वह्निः,

  स एव वह्निर्दहते शरीरम् ॥

अन्वयः-

नराणां देहविनाशनाय(1)_____ शत्रुः देहस्थितः (ii)_____(भवति) यथा काष्ठगतः स्थितः (iii)_____ काष्ठम् एव (iv)_____(तथैव शरीरस्थः क्रोधः) शरीरं दहते ।

मञ्जूषा - वह्निः, प्रथमः, दहते, क्रोधः

***************शुभमस्तु***************

5

SINDHI HIGH SCHOOL, K.K. ROAD BENGALURU -01

II Periodic Test [2025-26]

Subject - MATHEMATICS STANDARD

Date : 21-7-2025

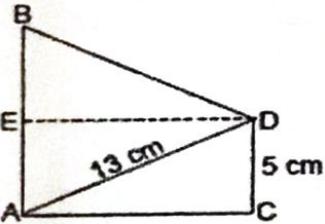Class : 10

NO. OF SIDES – 3

Max Marks: 30

Reading time – 8.00 – 8.10am

Writing Time – 8.10 – 9.10am
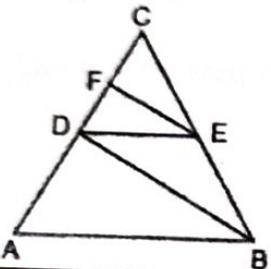
GENERAL INSTRUCTIONS

1. Write your name, roll number, class and section, date and subject clearly in your answer script.
2. All questions are compulsory.
3. Question paper consists five parts
4. Part A has 6 multiple choice questions of 1 mark each.
5. Part B has three Very short answer Type questions of 2 mark each,
6. Part C has three Short Answer Type questions of 3 marks each
7. Part D has one Long Answer Type question of 5 marks.
8. Part E has 1 question on case study. The case study has 4 case-based sub-parts of 1, 1 and 2 mark each.

PART-A

Sl No.	Question	Marks
1	The pair of equations $ax + 2y = 7$ and $3x + by = 16$ represent parallel lines if (a) $a = b$ (b) $3a = 2b$ (c) $2a = 3b$ (d) $ab = 6$	1
2	In the given figure, if AB = 14 cm, then the value of tan B is: (a) $\dfrac{4}{3}$ (b) $\dfrac{14}{3}$ (c) $\dfrac{5}{3}$ (d) $\dfrac{13}{3}$	1
3	If $\sin \theta = \sqrt{3} \cos \theta$, $0° < \theta < 90°$, then θ is equal to (a) 30° (b) 45° (c) 60° (d) 90°	1
4	The relationship between mean, median and mode for a moderately skewed distribution is (a) mode = median – 2 mean (b) mode = 3 median – 2 mean (c) mode = 2 median – 3 mean (d) mode = median – mean	1

5	Mean of 100 items is 49. It was discovered that three items which should have been 60, 70, 80 were wrongly read as 40, 20, 50 respectively. The correct mean is (a) 48 (b) 49 (c) 50 (d) 60		1
6	Assertion (A): In a $\triangle ABC$, if DE ∥ BC and intersects AB in D and AC in E, then $\frac{AB}{AD} = \frac{AC}{AE}$ Reason (R): If a line is drawn parallel to one side of a triangle to intersect the other two sides in distinct points, then these sides are divided in the same ratio. (a) Both A and R are true and R is the correct explanation of A. (b) Both A and R are true but R is not the correct explanation of A. (c) A is true but R is false. (d) A is false but R is true.		1

<div align="center">

Part -B

</div>

7	For what value of k, the following pair of equations has no solution: $2x + 3y = 5$ and $6x + ky = 5$	2
8	In fig. AB ∥ DE and BD ∥ EF. Prove that $DC^2 = CF \times AC$ 	2
9	If $3 \tan \theta = 4$, find the value of $5 \sin \theta - 3 \cos \theta$	2

PART -C

10	Prove that: $\frac{\cos A}{1+\sin A} + \frac{1+\sin A}{\cos A} = 2 \sec A$	3
11	Calculate mode of the following data: 	Marks obtained	Number of students	 |---|---| 	0 – 20	5	 	20 – 40	9	 	40 – 60	12	 	60 – 80	6	 	80 – 100	3		3
12	The median of the distribution given below is 14.4. Find the values of x and y, if the sum of frequency is 20. 	Class interval	Frequency	 |---|---| 	0 – 6	4	 	6 – 12	x	 	12 – 18	5	 	18 – 24	y	 	24 – 30	1		3

PART – D

13	Prove that if a line is drawn parallel to one side of a triangle, then the other two sides are divided in the same ratio.	5

PART-E

14   It is common that Government revise travel fares from time to time based on various factors such as inflation (a general increase in prices and fall in the purchasing value of money) on different types of vehicles like auto, rickshaws, taxis, radio cab, etc. The auto charges in a city comprise of a fixed charge together with the charge for the distance covered. Study the following situations.

Name of the city	Distance travelled (Km)	Amount paid (₹)
City A	10	75
	15	110
City B	8	91
	14	145

Situation 1: In city A, for a journey of 10 km, the charge paid is ₹ 75 and for a journey of 15 km, the charge paid is ₹ 110.

Situation 2: In a city B, for a journey of 8 km, the charge paid is ₹ 91 and for a journey of 14 km, the charge paid is ₹ 145.

(i)Represent the situation 1 in the form of a pair of Linear Equation.   1

(ii)Represent the situation 2 in the form of a pair of Linear Equation.   1

(iii)Calculate the fixed charge and charge per km in situation 1   2

OR

Calculate the fixed charge and charge per km in situation 2

SINDHI HIGH SCHOOL, K K ROAD, BANGALORE
PERIODIC TEST 2-(2025-26)
SUBJECT- SCIENCE

Class: X
Date: 16.07.2025
No. of sides: 4

Max marks: 30
Timings: 8:00 am to 9:10 am
Reading Time: 8:00 am to 8:10 am
Writing Time: 8:10 am to 9:10 am

GENERAL INSTRUCTIONS:

(i) All questions are compulsory.

(ii) Section A- All question numbers 1 to 6 carrying one-mark comprises of MCQ and the Assertion – Reason type questions.

(iii) Section B- Question numbers 7 to 9 are short questions, carrying 3-marks each.

(iv) Section C- Question numbers 10 to 12, long answer type questions carrying 5 marks each.

S No	Questions	Marks
	Section A	
	Choose the correct answer	
1	You are given three media A, B and C of refractive index 1.33, 1.65 and 1.46. The medium in which the light will travel fastest is --------- (a) A (b) B (c) C (d) equal in all three media	1
2	Which of the following statements is correct about an aqueous solution of an acid and of a base? (i) Higher the pH, stronger the acid (ii) Higher the pH, weaker the acid (iii) Lower the pH, stronger the base (iv) Lower the pH, weaker the base	1

(a) (i) and (iii) (b) (ii) and (iii)
(c) (i) and (iv) (d) (ii) and (iv)

| 3 | Lime water turns cloudy in the presence of a gas which is a by-product of respiration.
Shown below are four setups kept in sunlight for 24 hours. | 1 |

Set P — Glass tank, Limewater, Pot
Set Q — Plant, Pot, Limewater
Set R — Plant, Tank coated with black paint, Pot, Limewater
Set S — Limewater
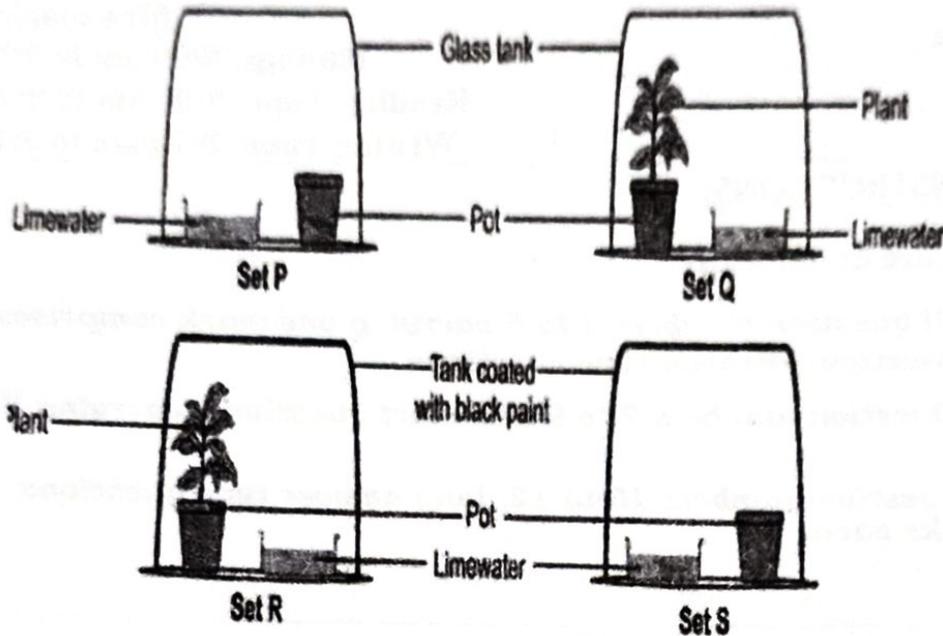
In which setup is lime water expected to be the cloudiest?
a. Setup P
b. Setup Q
c. Setup R
d. Setup S

In the following questions 4-6, a statement of Assertion is followed by a statement of Reasoning. Choose the correct answer from the following options.
a) Both assertion and reason are correct statements, and reason is the correct explanation for assertion.
b) Both assertion and reason are correct statements but reason is not the correct explanation for assertion.
c) Assertion is correct but reason is the wrong statement.
d) Assertion is wrong but reason is the correct statement.

| 4 | **Assertion**: Higher the refractive index of the medium, lesser will be the velocity of light in that media.

Reason: Refractive index is inversely proportional to the velocity of light in the medium. | 1 |

2

5	**Assertion (A):** Copper sulphate crystals are wet because it contains water of crystallization. **Reason (R):** Water of crystallization is the fixed number of molecules of water present in one formula unit of salt.	1
6	**Assertion (A):** In plants there is no need of specialized respiratory organs. **Reason (R):** Plants do not have great demands of gaseous exchange.	1
	Section B	
7	An object 4 cm in height, is placed at 15 cm in front of a concave mirror of focal length 10 cm. At what distance from the mirror should a screen be placed to obtain a sharp image of the object. Calculate the height of the image.	3
8	In one of the industrial processes used to manufacture sodium hydroxide, a gas X is formed as a byproduct. The gas X reacts with lime water to give a compound Y used as a bleaching agent in the chemical industry. Identify X and Y giving the chemical equation of the reactions involved.	3
9	Give reason. (a) Respiratory pigment is needed in multicellular organisms with large body size. (b) Lungs always have residual volume of air. (c) Walls of alveoli contain an extremely network of blood vessels.	3
	Section C	
10	A student wants to project the image of a candle flame on the walls of school laboratory by using a lens (a) Which type of lens should he use and why? (b) At what distance in terms of focal length 'f' of the lens should he place the candle flame so as to get (i) a magnified, and (ii) a diminished image respectively on the wall? (c) Draw ray diagram to show the formation of the image in each case.	5

11	(a) For making cake, baking powder is taken. If your mother uses baking soda instead of baking powder in cake at home,	5
	(i) How will it affect the taste of the cake and why?	
	(ii) How can baking soda be converted into baking powder?	
	(b) What is observed when carbon dioxide gas is passed through lime water	
	(i) in limited quantity?	
	(ii) in excess quantity?	
	Also write the chemical equations for the reactions involved.	
12	(a) Diagram given below represents Human heart. Study the diagram and answer the following questions.	5

(i) Label the parts 1 to 6.

(ii) Double circulation is necessary in humans. Comment

(iii) Ventricles are thicker than the auricles. Justify the statement.

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SINDHI HIGH SCHOOL, K.K.ROAD
P.T- 2 : 2025-26
SUBJECT: SOCIAL SCIENCE

DATE: 14/7/2025
CLASS: X
NO OF PRINTED SIDES: 2

MARKS: 30
READINGTIME: 8.00 -8.10am
WRITING TIME: 8.10-9.10am

	Section A	
1	E.T Paull produced a musical book- a. Dawn of the century b. Two magicians c. Inland Printers d. March and two step	1
2	Explain the term proto industrialisation.	1
3	_____ improved the steam engine. a. James watt b. Newcomen c. Mathew d. James Mill	1
4	Which one of the following is not considered a sacred tree in India a. Peepal b. Neem c. Banyan d. Mango	1
5	_____ is the name given to the forest of God and goddesses	1
6	The state has the largest area under permanent forest a. Madhya Pradesh b. Tamil Nadu c. Kerala d. Punjab	1
7	In 1917 the boundaries of several old states were changed on the basis of	1
8	In case of a clash between the laws made by the centre and a state on a subject in the concurrent list a. The state law prevails b. central law prevails c. Both the laws prevail within their respective jurisdiction d. The supreme court has to intervene to decide	1
9	Choose the appropriate answer The sectors are classified into public and private sector on the basis of- a. Employment condition b. the nature of economic activities. c. Ownership of enterprises d. Number of workers employed in the enterprise.	1
10	Find the odd one out- Tourist guide, dhobi, Tailor, Potter	1
	Section B	
11	Distinguish between Reserved and protected forest	2
12	In the country side poor peasants and artisans began working for merchants. Give two reasons.	2
13	The new culture of power sharing developed after 1990. infer	2

14	Identify the objectives of NREGA	2
	Section C	
15	Explain the rapid progress of industrialisation.	3
16	Explain the programmes accepted for conserving forest and wildlife in India	3
17	Give three reasons for the increasing importance of the tertiary sector in India	3
18	Compare the federations of coming together and holding together	3

SINDHI HIGH SCHOOL, K K ROAD, BENGALURU

PERIODIC TEST II- 2025-26

Artificial Intelligence

Class: X

Date: 18-07-2025

No of Printed Sides: 2

Max Marks: 25

Reading Time: 8:00 to 8:10 am.

Writing Time: 8:10 to 9:10 am.

Section A : Objective Type Questions

Q. 1	**Answer the following**	**1x13 = 13**
i.	_____ model works on continuous dataset. A) Regression B) Classification C) Clustering D) Association	1
ii.	The goal when evaluating an AI model is to: A) Maximize error and minimize accuracy B) Minimize error and maximize accuracy C) Focus solely on the number of data points used D) Prioritize the complexity of the model	1
iii.	Unsupervised Learning is commonly used for fraud detection and anomaly detection. (True/False)	1
iv.	Which of the following represents True Positive (TP) in a confusion matrix? A) The model correctly predicts a negative class B) The model correctly predicts a positive class C) The model incorrectly predicts a positive class D) The model incorrectly predicts a negative class	1
v.	Supervised Learning consists of two types : _____ and _____	1
vi.	What is the primary difference between MachineLearning (ML) and DeepLearning(DL)? A) ML uses smaller datasets, while DL uses very large datasets B) ML is a type of AI, but DL is unrelated to AI C) DL involves explicit programming of rules, while ML does not D) ML is only used in gaming, and DL is used in Robotics.	1
vii.	Artificial neural networks are inspired by the structure and function of: A) The human brain B) Quantum computers C) Complex mathematical models D) High-speed processors	1
viii.	An AI agent playing a game and learning from its rewards and penalties is an example of A) Supervised Learning B) Unsupervised Learning C) Reinforcement Learning D) Evolutionary Learning	1
ix.	A chatbot that follows a predefined set of instructions is an example of a _____ - based AI model.	1

x.	A table that shows the number of correct and incorrect predictions made by a classification model is called _____.	1
xi.	Assertion (A) : Association models in ML are used for product recommendations in e-commerce. Reason (R) : Association models identify relationships between items frequently bought together. i. Both A and R are true, R is the correct explanation of A. ii. Both A and R are true, but R is not the correct explanation of A. iii. A is true, but R is false. iv. A is false, but R is true	1
xii.	_____ is application of Classification Model.	1
xiii.	The final output of a neural network is provided by the _____ layer.	1

Section B : Subjective Type Questions

Q. 2	Answer any 2 out of the given 4 questions	(2X2=4)
i.	Draw the classifications of AI models.	2
ii.	Explain train-test-split technique.	2
iii.	Identify the Model – Supervised or Unsupervised? A. Grouping customers in an e-commerce website. B. Spam detectors C. Detecting fake news on Social media D. Diagnosing diseases using medical images	2
iv.	How is Reinforcement learning different from Supervised and Unsupervised Learning?	

Q. 3	Answer any 2 out of the given 3 questions	(2X4=8)
i.	How does Artificial Neural Network (ANN) works?	4
ii.	Case : AI in Cybersecurity A cybersecurity firm is developing an AI model to detect potential cyber threats. A) Which learning model would be the most effective for identifying new types of cyber threats? Why? B) Suggest some useful methods that could be incorporated to detect the threats.	4
iii.	Calculate Accuracy and F1 score for the given matrix:	4

	Predicted Yes	Predicted No
Actual Yes	3	2
Actual No	2	3

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