चरित चित्रण कीजिए। (ii) 'दीपदान' एकांकी के उद्देश्य स्पष्ट कीजिए।

5. किन्हीं दो प्रश्नों का उत्तर दीजिए (अधिकतम 150 शब्दों में)   5×2=10

(i) 'तीसरी कसम' कहानी के हिरामन का चरित्र-चित्रण कीजिए। (ii) 'कर्मनाशा की हार' कहानी के उद्देश्य को स्पष्ट कीजिए। (iii) 'जाँच अभी जारी है' कहानी के शीर्षक की सार्थकता पर विचार करें।

6. किसी एक विषय पर निबंध लिखिए : (अनधिक 400 शब्दों में)   10×1=10

(i) छात्र जीवन में अनुशासन का महत्त्व (ii) खेल जीवन का महत्त्वपूर्ण अंग है (iii) जल संरक्षण (iv) मेरा प्रिय लेखक।

7. हिन्दी में अनुवाद कीजिए :   4

Hard work is the key to success. Nothing can be achieved without hard work. Work ever, work is a great panacea, Edison worked for twenty one hours a day. He slept only for two or three hours on the laboratory tables with his books as his pillow.

8. किसी एक प्रश्न का उत्तर दीजिए :   5×1=5

(i) देश में बढ़ती महँगाई पर समाचार पत्र में छपने के लिए एक प्रतिवेदन लिखिए। (ii) परीक्षा के एक दिन पूर्व दो मित्रों के बीच संवाद लिखिए।

ENGLISH (Second Language)
SECTION-A : READING COMPREHENSION (SEEN)

1. Read the passage carefully and answer the questions that follow :

It is always lovely on the Big Half Moon in summer. When it is fine, the harbour is blue and calm, with little wind and ripples. Every summer, we had some hobby. The last summer before Dick and Mimi came, we were crazy about kites. A boy on the mainland showed Claude how to make them. Back on the island, we made plenty of kites. Claude would go around to the other side of the island and we would play shipwrecked mariners signalling to each other with kites.

We had a kite that was big and covered with lovely red paper. We pasted gold tinsel stars all over it and had written our names full on names full on it–Claude Leete and Philippa Leete, Big Half Moon lighthouse.

Our day there was a grand wind for kite-flying. I'm not sure how it happened, but as I was bringing the kite from the house, I tripped and fell over the rocks. My elbow went clear through the kite, making a big hole.

A. Write the correct alternative in the given space to complete the following sentences :   1×5=5

(a) One day there came for kite-flying a grand (i) wind □ (ii) ripple □ (iii) storm □ (iv) tide □. (b) The island looks beautiful (i) in winter □ (ii) in monsoon □ (iii) in summer □ (iv) in spring □. (c)

A mainland boy showed how to make a kite to (i) Mimi □ (ii) Father □ (iii) Philippa □ (iv) Claude □. (d) The kite was covered with (i) red paper □ (ii) blue paper □ (iii) white paper □ (iv) green paper. (e) The previous summer Claude and Philippa were crazy about (i) playing pirate caves □ (ii) quarrelling with each other □ (iii) writing letters □ (iv) making kites □.

B. **Complete the following senctences with information from the text :**

$1 \times 3 = 3$

(i) Claude and the narrator pasted ____ (ii) The narrator's elbow went clear ____ (iii) They were crazy about kites ____

C. **State whether the following statements are true or false. Write 'T' for 'True' and 'F' for 'False' in the boxes given on the right-hand side. Provide sentence/phrase(s) in support of your answer :** $(1+1) \times 2 = 4$

(i) Philippa and Claude were not enthusiastic about kites. □ Supporting Quote ——— (ii) The harbour is blue and calm. □ Supporting Quote ———

2. **Read the poem and answer the following questions :**

> To grass, or leaf, or fruit, or wall,
> The snail sticks close, nor fears to fall,
> As if he grew there, house and all
>   Together.
> Within that house secure he hides,
> When danger imminent betides
> Of storm, or other harm besides
>   Of weather.
> Give but his horns the slightest touch,
> His self-collecting pow'r is such,
> He shrinks into his house with much
>   Displeasure.
> Where'er he dwells, he dwells alone,
> Except himself has chatells none,
> Well satisfied to be his own
>   Whole treasure.
> Thus, hermit-like, his life he leads,
> Nor partner of his banquet needs,
> And if he meets one, only feeds
>   The faster.
> Who seeks him must be worse than blind,
> (He and his house are so combin'd)
> If, finding it, he fails to find
>   Its master.

A. Tick (✓) the correct alternative to complete the following sentences :   1×4=4

(i) The snail seems to have grown together with his – (a) car ☐ (b) house ☐ (c) dress ☐ (d) body ☐. (ii) The snail does not fear to – (a) climb ☐ (b) fall ☐ (c) stick ☐ (d) eat ☐. (iii) Inside his house the snail feels – (a) protected ☐ (b) insecure ☐ (c) confused ☐ (d) angry ☐. (iv) The snail has the power of – (a) self-devotion ☐ (b) self-destruction ☐ (c) self-collection ☐ (d) self-denial ☐.

B. Answer the following questions :   2×2=4

(i) What does the word 'self-collecting pow'r' mean? (ii) What makes the snail well-satisfied?

READING COMPREHENSION (UNSEEN)

3. Read the passage carefully and answer the questions that follow :

On 28 March, at around 12:50 p.m. local time, a powerful 7.7 magnitude earthquake struck central Myanmar, with its epicentre near Mandalay and Sagaing cities at a shallow depth of 10km. The tremors were felt across the country and beyond. Another 6.4 magnitude earthquake further south followed within minutes. Preliminary reports indicate that upwards of 1,000 people have been killed and over 2,200 others injured, while approximately 200 others are missing in central and north-western Myanmar. The majority of the deaths were reported in the Mandalay area. The State Administration Council (SAC) has declared a state of emergency for Bago Region, Mandalay Region, Nay Pyi Taw Union Territory, Sagaing Region and parts of Shan State and called for international assistance.

The earthquake caused widespread destruction of homes and severe damage to critical infrastructure. Initial reports indicate that Mandalay International Airport (with commercial flights cancelled until further notice), major bridges, roads, universities, hotels, historical and religious sites and public service buildings in urban and rural areas have been heavily damaged or destroyed. Thousands of people are spending the nights on the streets or open spaces due to the damage and destruction to home or fearing further quakes. Supply infrastructure and communication towers were severely impacted, electricity and water services were disrupted, including in Yangon Region. Landline, mobile and internet networks remain unstable. Damage to the Yangon-Nay Pyi Taw-Mandalay expressway led to service disruptions, with cracks and surface distortions, forcing highway buses to halt operations. As the full scale of the disaster unfolds, urgent humanitarian assistance is needed

to support those affected.

[Adapted from an article published in The Relief Web dated March 29, 2025]

A. Tick (✓) the right answer :   1×6=6

(i) The earthquake struck central Myanmar at around (a) 12.50 a.m. ☐ (b) 12.00 p.m. ☐ (c) 12.50 p.m. ☐ (d) 1 p.m. ☐. (ii) The earthquake happened on (a) 26ᵗʰ March ☐ (b) 28ᵗʰ March ☐ (c) 29ᵗʰ March ☐ (d) 27ᵗʰ March ☐. (iii) The earthquake had a shallow depth of (a) 9 km ☐ (b) 5 km ☐ (c) 10 km ☐ (d) 11 km ☐. (iv) Approximately 200 were missing in (a) central Myanmmar ☐ (b) both (a) and (c) ☐ (c) north-western Myanmmar ☐ (d) none of the above ☐. (v) Damage led to service disruptions in (a) Mandalay expressway ☐ (b) Bago expressway ☐ (c) Yangon Nay Pyi Mandalay expressway ☐ (d) Sagaing expressway ☐. (vi) The article is a/an (a) report ☐ (b) essay ☐ (c) story ☐ (d) memoir ☐.

B. State whether the following statements are true or false. Write 'T' for 'True' and 'F' for 'False' in the boxes given on the right-hand side. Provide sentence/phrase(s) in support of your answer :   (1+1)×3=6

(i) Preliminary reports indicate that one thousand people have been killed. ☐ Supporting Quote —— (ii) Landline, mobile and internet networks remain unaffected in the affected areas. ☐ Supporting Quote —— (iii) Cracks and surface distortions forced highway buses to halt operations. ☐ Supporting Quote ——.

C. Answer the following questions :   2×4=8

(i) What kind of damage did the earthquake cause? (ii) When did the earthquake strike central Myanmar? (iii) How was the Yangon-Nay Pyi Taw-Mandalay expressway affected? (iv) Which regions and states did the State Administration Council declare a state of emergency for?

SECTION-B (GRAMMAR AND VOCABULARY)

4. Write the correct alternative to fill in the blanks :   1×3=3

Food —— (keep/keeps/kept) us alive and —— (give/gives/gave) us health. But it —— (do/does/did) a lot of harm if we eat more than we need.

5. Do as directed :

A. Fill in the blanks with the appropriate article or preposition : 1×3=3

The ashes —— Bapu was immersed —— the Ganges where a huge crowd had gathered —— the bank.

B. (i) He is one of the best teachers in the town. (Change the Degree of Comparison.) (ii) We received the Chairman respectfully. (Use the

noun form of 'respectfully'.) (iii) My sister went to Darjeeling. It is a beautiful hill-town. (Make it s Complex Sentence.)

C. **Choose the correct phrasal verbs from the list given below to replace the words underlined. Write the correct phrasal verbs in the boxes on the right-hand side changing the form where necessary. There is one extra phrasal verb in the list :**   1×3=3

(i) He <u>continued</u> as if nothing had happened. □ (ii) The patient <u>died</u> in his sleep. □ (iii) Have you <u>read</u> this book? □

[carry on, pass away, go through, put up with]

6. **Given below are the meanings of four words which you will find in the passage in Question No. 3. Find out the words and write them in the appropriate boxes on the right-hand side :**   2×4=8

(i) shakes □ (ii) related to a town □ (iii) philanthropic □ (iv) to a great degree □

SECTION-C (WRITING)

7. **Use the following flow-chart to wite a paragraph (in about 100 words) on 'How Online Shopping is Done'. :**   10

[Points : log in to a website or an app – search a product – select the product – add it to the cart–continue other shopping – go to the cart – place order and select address – check payment options – confirm – log out]

8. **Write a story (within 100 words) using the given hints. Give a title to the story.**   8+2=10

[Hints : a man lost watch – suspected one of the servants – gave each a stick saying the thief's sick would be long by an inch next morning – they appeared to the master next morning – one stick was shorter by an inch – thief detected]

9. **As the group captain of the Educational Tour Team of your school, write a notice for the participants in the next tour to Digha. You may use the following points :**   10

[Points : time and place of assembly – transport – things they should have in their kits – date and time of return – guardian's consent letter needed]

MATHEMATICS

1. সঠিক উত্তরটি নির্বাচন করো :   1×6=6

(i) যদি কোনো মূলধন 10 বছরে সুদেমূলে দ্বিগুণ হয়, তবে বার্ষিক সুদের শতকরা হার–

(a) 5% (b) 10% (c) 15% (d) 20% (ii) $ax^2+bx+c=0$ $(a≠0)$ সমীকরণের বীজদ্বয় সমান হলে – (a) $c=\frac{-b}{2a}$ (b) $c=\frac{b}{2a}$ (c) $c=\frac{-b^2}{4a}$ (d) $c=\frac{b^2}{4a}$ (iii) একটি লম্ববৃত্তাকার শঙ্কুর তীর্যক উচ্চতা 15 সেমি ও ভূমির ব্যাস 16 সেমি হলে, তার পার্শ্বতলের ক্ষেত্রফল হবে – (a) $60π$ বর্গসেমি (b) $68π$ বর্গসেমি (c) $120π$ বর্গসেমি (d) $130π$ বর্গসেমি

4. प्रत्येक खण्ड में एक-एक प्रश्न का उत्तर दीजिए ।   5+5+5+4=19

खण्ड-क (i) 'नीड़ का निर्माण फिर-फिर' कविता का मूल भाव अपने शब्दों में लिखें ।
(ii) रामदास किसका प्रतीक है? उसकी हत्या की आशंका क्यों थी? **खण्ड-ख** (i) नन्हा संगीतकार कहानी के प्रमुख पात्र का चरित्र-चित्रण करें? (ii) नमक कहानी की मार्मिकता पर अपने विचार व्यक्त कीजिए । **खण्ड-ग** (i) धूमकेतु के विषय में क्या जानते हो? पाठ के आधार पर लिखिए । (ii) मुहर्रम से बिस्मिल्ला खाँ के लगाव को अपने शब्दों में लिखें । **खण्ड-घ** (i) 'दीपदान' एकांकी के आधार पर कीरत बारी का चरित्र-चित्रण कीजिए । (ii) 'दीपदान' एकांकी का उद्देश्य स्पष्ट कीजिए ।

5. किन्हीं दो प्रश्नों का उत्तर दीजिए (अधिकतम 150 शब्दों में)   5×2=10
(i) 'तीसरी कसम' की नायिका हीराबाई का चरित्र-चित्रण कीजिए । (ii) 'जाँच अभी जारी है' कहानी का सारांश अपने शब्दों में लिखें । (iii) 'कर्मनाशा की हार' एक सामाजिक अंधविश्वास पर आधारित कहानी कैसे है? स्पष्ट कीजिए ।

6. किसी एक विषय पर निबंध लिखिए : (अनधिक 400 शब्दों में)   10×1=10
(i) पुस्तक की आत्मकथा (ii) यदि मैं शिक्षक होता (iii) व्यायाम और स्वास्थ्य (iv) बेरोजगारी की समस्या ।

7. हिन्दी में अनुवाद कीजिए :   4
'Time is everything – said Napolean the great It is more valuable than money. It's worthier than health. It is greater than honour. We get all these things if we have time and if we utilise it properly. Time and tide wait for none.

8. किसी एक प्रश्न का उत्तर दीजिए :   5×1=5
(i) 'रक्तदान' पर दो मित्रों के बीच संवाद लिखिए । (ii) अपने इलाके में आयोजित 'वृक्षारोपण अभियान' विषय पर स्थानीय समाचार-पत्र में छपने के लिये एक प्रतिवेदन लिखिए ।

———————————

ENGLISH (Second Language)
SECTION-A : READING COMPREHENSION (SEEN)

1. Read the passage carefully and answer the questions that follow :

It is always lovely on the Big Half Moon in summer. When it is fine, the harbour is blue and calm, with little wind and ripples. Every summer, we had some hobby. The last summer before Dick and Mimi came, we were crazy about kites. A boy on the mainland showed Claude how to make them. Back on the island, we made plenty of kites. Claude would go around to the other side of the island and we would play shipwrecked mariners signalling to each other with kites.

We had a kite that was big and covered with lovely red paper. We pasted gold tinsel stars all over it and had written our names full on it–Claude Leete and Philippa Leete, Big Half Moon lighthouse.

One day there was a grand wind for kite-flying. I'm not sure how it happened, but as I was bringing the kite from the house, I tripped and fell over the rocks. My elbow went clear through the kite, making a big hole.

We had to hurry to fix the kite if we wanted to send it up before the wind fell. We rushed into the lighthouse to get some paper. We knew there was no more red paper. We took the first thing that came handy – an old letter lying on the bookcase in the sitting room. We patched the kite up with the letter, a sheet on each side and dried it by the fire. We started out, and up went the kite like a bird.

A. **Write the correct alternative to complete the following sentences :**
$1 \times 5 = 5$

(i) Who taught Claude how to make kits? (a) Mimi (b) Dick (c) a boy on the island (d) a boy on the mainland. (ii) What was the kite made of originally? (a) a plain white paper (b) a gold foil and a string (c) a lovely red paper with gold tinsel stars (d) a cardboard and glue. (iii) How did the narrator damage the kite? (a) while playing with Claude (b) by tripping and falling over the rocks (c) during a storm (d) while fighting the wind. (iv) What did the children use to repair the kite? (a) New red paper (b) A piece of cloth (c) An old letter from the bookcase (d) A page from a notebook. (v) What did the children write on their kite? (a) A message to the mainland (b) A poem about summer (c) Their names and the name of the lighthouse (d) Instructions for flying a kite.

B. **Complete the following senctences with information from the text :**
$1 \times 3 = 3$

(i) Every summer on Big Half Moon Island, the children had a hobby, and the last summer before Dick and Mimi came, they were crazy about ____ (ii) They hurried to fix the kite because ____ (iii) After the kite was torn, the children could not find any more red paper, so they searched the bookcase and found ____.

C. **State whether the following statements are True or False. Write 'T' for 'True' and 'F' for 'False' in the boxes on the right-hand side. Provide sentence/phrase(s) in support of your answer :** $(1+1) \times 2 = 4$
(i) Claude brought the kite with him from the mainland. ☐ Supporting Quote —— (ii) The children flew the kite after repairing it with the old letter. ☐ Supporting Quote ——.

2. **Read the excerpt and answer the following questions :**

> To grass, or leaf, or fruit, or wall,
> The snail sticks close, nor fears to fall,
> As if he grew there, house and all
> Together.

Within that house secure he hides,
When danger imminent betides
Of storm, or other harm besides
                    Of weather.
Give but his horns the slightest touch,
His self-collecting pow'r is such,
He shrinks into his house with much
                    Displeasure.

A. Write the correct alternative to complete the following sentences :

1×4=4

(i) What does the Snail stick close to? (a) Rock (b) Tree (c) Grass, leaf, fruit, or wall (d) Soil (ii) What causes the snail to retreat into its shell? (a) Rain (b) Touch on its horns (c) Hunger (d) Loud noise (iii) The Snail has no fear of (a) enemies (b) getting wet (c) ghosts (d) falling (iv) In the above extract 'house' refers to the (a) house of a man (b) hole in the tree trunk (c) shell of a snail (d) nest of a bird.

B. Answer the following questions :

2×2=4

(i) What does the poet suggest about the snail's attachment to its home?
(ii) Explain the meaning of the line "His Self-collecting pow'r is such, He shrinks into his house with much Displeasure."

READING COMPREHENSION (UNSEEN)

3. Read the following passage and answer the questions that follow :

The ongoing conflict between Israel and Hamas has once again escalated, with both sides enduring significant losses. This latest round of violence began in early 2025 after a series of skirmishes and attacks from both parties. Hamas, the militant group that controls the Gaza Strip, launched rocket attacks targeting several Israeli cities, including Tel Aviv and Jerusalem. In response, Israel conducted airstrikes on Gaza, targeting Hamas infrastructure and military sites. The fighting has resulted in hundreds of casualties, most of them from Gaza, where civilian areas have been heavily impacted.

The root of the conflict lies in long standing political and territorial disputes. The Gaza strip, a small and densely populated area, has been under Hamas' control since 2007. Israel, which views Hamas as a terrorist organization, has imposed a blockade on the region, citing security concerns and the threat of weapons being smuggled into Gaza. Over the years, intermittent clashes have led to numerous casualties and widespread destruction.

International reactions have been mixed. Some countries have expressed solidarity with Israel's right to defend itself, while others

have called for a ceasefire and urged both sides to engage in peace talks. The United Nations has called for an urgent resolution to the violence, fearing that the conflict could spread further, destabilizing the entire region.

Despite various attempts at peace negotiations over the years, a lasting resolution remains elusive. The conflict continues to draw attention from the global community, with many hoping for a path to peace that addresses the underlying issues of territorial disputes, security concerns, and humanitarian rights.

A. **Tick the right answer :**   1×6=6

(i) What triggered the latest escalation in the Israel-Hamas conflict? (a) A peace agreement ☐ (b) Rocket attacks from Hamas ☐ (c) A UN resolution ☐ (d) A military alliance between Israel and Palestine ☐ . (ii) How did Israel respond to the rocket attacks from Hamas? (a) By sending humanitarian aid ☐ (b) By conducting airstrikes on Gaza ☐ (c) By offering a peace treaty ☐ (d) By negatiating with Hamas ☐ (iii) Which organization controls the Gaza Strip? (a) The Palestinian Authority ☐ (b) Israel ☐ (c) Hamas ☐ (d) United Nations ☐ (iv) What has the international community called for in response to the conflict? (a) Immediate war support for Israel ☐ (b) A ceasefire and peace talks ☐ (c) Unilateral action from the US ☐ (d) An embargo on all parties involved ☐. (v) What is one of the main reasons for which lasting resolution to the conflict has been difficult to achieve? (a) Disagreements over religious belief ☐ (b) Territorias disputes and security concerns ☐ (c) Economic sanctions from the US ☐ (d) External political interference ☐ (vi) What fear does the United Nations have regarding the ongoing conflict? (a) That it will only affect Israel ☐ (b) That it could destabilize the entire middle east region ☐ (c) That it will spark a global war ☐ (d) That it will lead to the collapse of Hamas ☐

B. **Each of the following statements is either 'True' or 'False'. Write 'T' for 'True' and 'F' for 'False' in the boxes on the right-hand side. Also pick out suitable word(s) or phrase(s) from the passage in support of your answers :**   (1+1)×3=6

(i) The Gaza strip has been under Hamas control since 2017. ☐ Supporting Quote —— (ii) The international community is unanimously supporting Israel in the conflict. ☐ Supporting Quote —— (iii) The conflict has resulted in damage to both military and civilian areas in Gaza. ☐ Supporting Quote ——.

C. **Answer the following questions :**   2×4=8

(i) Why is Gaza strip significant in the Israel-Hamas conflict? (ii)

What are the major humanitarian concerns arising from the orgoing conflict between Israel and Hamas? (iii) What is the main challenge in achieving a lasting peace between Israel and Hamas? (iv) In what way could the conflict between Israel and Hamas affect the broader middle east region?

SECTION-B (GRAMMAR AND VOCABULARY)

4. Write the correct alternative to fill in the blanks :   1×3=3

By the time the train —— (arrived/arrive/was arriving), we (had packed/have packed/packed) our bags and —— (wait/been waiting/had waited) at the platform.

5. Do as directed :

A. Fill in the blanks with the appropriate article or preposition : 1×3=3

We stayed at —— hotel that is just —— few steps away —— the museum.

B. Rewrite the following sentences :   1×3=3

(i) They made him the captain of the team inspite of his inexperience. (Change the voice) (ii) The teacher said to the students, "Had you revised the chapter thoroughly, you wouldn't have faced any difficulty in the exam." (Change the mode of narration) (iii) I saw the train coming. Immediately I caught hold of the little boy. (Join the sentences using 'no sooner')

C. Choose the correct phrasal verbs from the list given below to replace the words underlined. Write the correct phrasal verbs in the boxes on the right-hand side changing the form where necessary. There is one extra phrasal verb in the list :   1×3=3

(i) I met an old friend in the market. □ (ii) The match was postponed due to rain. □ (iii) She takes care of her younger brother. □.

[look after, come across, put off, run into]

6. Given below are the meanings of four words which you will find in the passage in Question No. 3. Find out the words and write them in the appropriate boxes on the right-hand side :   2×4=8

(i) intensified □ (ii) difficult to find, catch, or achieve □ (iii) related to the ownership of an area of land or sea □ (iv) many □.

SECTION-C (WRITING)

7. Suppose you are the student editor of your school magazine. Write a notice (within 100 words) inviting donations from students to raise funds for the victims of the recent earthquake in Myanmar. You may use the following points :   10

[purpose of donation – appeal to students – type of contributions (cash, clothes, etc.) – last date of donation – whom to submit to]

8. **Write a biography of Sri Aurobindo (within 100 words) using the following :**   10

[Points : Birth : 15 August, 1872 – Place : Kolkata (then Calcutta), West Bengal – Parents : Dr. Krishna Dhun Ghose and Swarnalata Devi – Education : Studied in England (Manchester, London, Cambridge) – Service : Indian Civil Service (briefly), Professor at Baroda College – Freedom struggle : Joined revolutionary movement, wrote for 'Vande Mataram' – Spirituas Life : Settled in Pondicherry, founded Aurobindo Ashram – Philosophy : Integral Yoga – Writings : The Life Divine, Savitri, Essays on the Gita – Death : 5 December, 1950]

9. **Write a letter (within 1000 words) to your friend advising him or her to maintain physical fitness reguiarly. Mention the importance of daily exercise, balanced diet, proper sleep, staying hydrated, and avoiding junk food as key habits for good health.**   10

MATHEMATICS

১. নিম্নলিখিত প্রশ্নগুলির প্রতিটি ক্ষেত্রে সঠিক উত্তরটি নির্বাচন করো : $1×6=6$

(i) প্রতিবছর নির্দিষ্ট শতকরা হারে পরিবর্তিত হয়ে বর্তমানে একটি অঞ্চলের পরিযায়ী শ্রমিকের সংখ্যা – $5000\left(\frac{11}{10}\right)^3$ জন হলে – (a) 3 বছর পর ওই অঞ্চলে শ্রমিকের সংখ্যা হবে 5000 জন (b) 3 বছর পর ওই অঞ্চলে শ্রমিকের সংখ্যা অপরিবর্তিত থাকবে (c) প্রতি বছর 10% হারে বৃদ্ধি পায় (d) প্রতি বছর 11% হারে হ্রাস পায় (ii) a, b, c, d ক্রমিক সমানুপাতী হলে কোনটি সত্য নয় – (a) $(a^2-b^2)(c^2-d^2)=(b^2-c^2)^2$ (b) $(b-c)^2+(c-a)^2+(b-d)^2=(a-d)^2$ (c) $(a+b)(c+d)(d+a)=(ab+bc+cd)$ (d) $(a^2+b^2+c^2)(b^2+c^2+d^2)=(ab+bc+cd)^2$ (iii) নীচের কোন ক্ষেত্রে ত্রিভুজ দুটি সদৃশ কিন্তু সর্বসম নয়? (a) ত্রিভুজ দুটির আকার এক কিন্তু আকৃতি আলাদা (b) ত্রিভুজ দুটির আকৃতি এক কিন্তু আকার আলাদা (c) ত্রিভুজ দুটির আকার ও আকৃতি উভয়ই পৃথক (d) ত্রিভুজ দুটির আকার ও আকৃতি উভয়ই এক। (iv) R একক বহিঃব্যাসার্ধ এবং r একক অন্তঃব্যাসার্ধ বিশিষ্ট একটি ফাঁপা অর্ধগোলাকৃতি বাটির সমগ্রতলের ক্ষেত্রফল – (a) $2\pi(R^2+r^2)$ বর্গএকক (b) $(3\pi R^2+\pi r^2)$ বর্গএকক (c) $3\pi(R-r)^2$ বর্গএকক (d) $3\pi(R^2-r^2)$ বর্গএকক (v) ত্রিকোণমিতিক কোণ পরিমাপের ক্ষেত্রে কোনো কোণের একটি রশ্মি যদি ঘড়ির কাঁটার দিকে সম্পূর্ণ একবার আবর্তন করে আবার প্রথম অবস্থানে ফিরে আসে, তবে কোণের পরিমাণ – (a) অপরিবর্তিত থাকবে (b) 180° কমে যাবে (c) 360° কমে যাবে (d) 360° বেড়ে যাবে। (vi) শ্রেণিতে প্রথম 15 জনের গড় বয়স $\bar{x}_1$ বছর এবং পরবর্তী 20 জনের গড় বয়স $\bar{x}_2$ বছর হলে, এই 35 জনের গড় বয়স হবে (a) $(\bar{x}_1+\bar{x}_2)$ বছর (b) $\frac{15\bar{x}_2+20\bar{x}_1}{\bar{x}_1+\bar{x}_2}$ বছর (c) $\frac{15\bar{x}_1+20\bar{x}_2}{\bar{x}_1+\bar{x}_2}$ বছর (d) $\frac{15\bar{x}_1+20\bar{x}_2}{15+20}$ বছর।

১০। কমবেশি ১৫০ শব্দে যেকোনো একটি প্রশ্নের উত্তর দাও :   ৫

১০.১ অতিমাত্রায় মোবাইল ব্যবহারের কুফল সম্পর্কে দুই বন্ধুর মধ্যে সংলাপ রচনা করো। ১০.২ তোমার এলাকায় একটি পাঠাগার উদ্বোধন হল এবিষয়ে একটি প্রতিবেদন রচনা করো।

১১। কমবেশি ৪০০ শব্দে যেকোনো একটি বিষয় অবলম্বনে প্রবন্ধ রচনা করো :   ১০

১১.১ একটি ঐতিহাসিক স্থান ভ্রমণের অভিজ্ঞতা। ১১.২ পরিবেশ সুরক্ষায় ছাত্র সমাজের ভূমিকা। ১১.৩ বিজ্ঞানের ভালো-মন্দ। ১১.৪ বাংলার উৎসব।

ENGLISH (Second Language)
SECTION-A : READING COMPREHENSION (SEEN)

1. Read the passage carefully and answer the questions that follow:

We live on the Big Half Moon Island. 'We' are Father and Claude and I and Aunt Esther and Mimi and Dick. It used to be only Father and Claude and I. It is all on account of the kite that there are more of us. This is what I want to tell you about.

Father is the keeper of the Big Half Moon Lighthouse. I am eleven years old. Claude is twelve. In winter, when the harbor is frozen over, we all move over to the mainland. As soon as spring comes, back we sail to our own dear island.

The funny part used to be that people always pitied us when the time came for us to return. They said we must be so lonesome over there, with no other children near us. Of course, Claude and I would have liked to have someone to play with us. It is hard to run pirate caves and things like that with only two. But we used to quarrel a good deal with the mainland children in winter. So, it was perhaps just as well that there were none of them on the Big Half Moon. Claude and I never quarreled.

To be sure, Father didn't seem to have any relations except us. This used to puzzle Claude and me. Everybody on the mainland had relations. Why hadn't we? Was it because we lived on an island? We thought it would be so jolly to have an uncle and aunt and some cousins. Once we asked Father about it, but he looked so sorrowful that we wished we hadn't. He said it was all his fault. Claude and I didn't understand what he meant.

A. Write the correct alternative in the space given to complete the following sentences :   1×5=5

(a) The number of people who lived in Big Half Moon Island was – (i) four ☐ (ii) six ☐ (iii) five ☐ (iv) one ☐. (b) There are more members at Big Half Moon on account of a – (i) kitten ☐ (ii) kid ☐ (iii) kite

□ (iv) narrator □ (c) _____ is the keeper of the Big Half Moon Lighthouse- (i) Claude's father □ (ii) Dick's father □ (iii) Mimi's father □ (iv) Aunt Esther □. (d) In winter the harbor gets– (i) warm □ (ii) populated □ (iii) forlorn □ (iv) frozen □. (e) (e) The narrator moves over to the mainland in– (i) late autumn □ (ii) autumn □ (iii) winter □ (iv) summer □.

B. **Complete the following statements with information from the text :**   1×3=3

(a) The brother of the narrator is____ year/s older than her. (b) The funny part of their departure from the mainland was____. (c) That father had no relations except the narrator and her brother used to_____

C. **State whether the following statements are 'True or False'. Write 'T' for 'True' and 'F' for 'False' in the boxes on the right-hand side. Also quote sentence/phrase(s) from the passage in favour of your answer :**   (1+1)×2=4

(i) Claude and the narrator would never like to have someone to play with them. T/F □ Supporting Quote —— (ii) They were happy that they asked their father a question about his relations. T/F. □ Supporting Quote ——

2. **Read the excerpt and answer the questions follow :**

I must go down to the seas again, to the lonely sea and the sky,
And all I ask is a tall ship and a star to steer her by;
And the wheel's kick and the wind's song and the white sail's shaking
And a grey mist on the sea's face, and a grey dawn breaking.
I must go down to the seas again, for the call of the running tide
Is a wild call and a clear call that may not be denied,
And all I ask is a windy day with the white clouds flying,
And the flung spray and the blown spume, and the seagulls crying.

A. **Tick (✓) the correct alternative to complete the following sentences :**   1×4=4

(i) The poet asks for a sail, the colour of which would be – (a) blue □ (b) grey □ (c) black □ (d) white □. (ii) The poet does not need for his voyage – (a) fuel □ (b) a tall ship □ (c) a grey mist □ (d) a clear sky □. (iii) A windy day is asked by the poet along with– (a) a grey mist □ (b) a grey dawn □ (c) flung spray (d) white clouds □ (iv) In the poem the poet speaks of the excitement he feels on a – (a) visit to a seaside □ (b) visit to a sea beach □ (c) visit to a hotel □ (d) sea voyage □.

B. **Answer the following questions :**   2×2=4

(i) Why does the poet want to go to the sea again? (ii) Along with a windy day what does the poet want during his sea voyage?

READING COMPREHENSION (UNSEEN)

3. Read the following passage and answer the questions given below:

Siliguri, 27th April: The Department of English, in collaboration with the IQAC of Surya Sen Mahavidyalaya, organized a two-day interdepartmental workshop titled "Bridging Words: A Translation Workshop on Regional Languages" on 24 and 25 April, 2025. Poet and translator Shyamali Sengupta (Odiya and Bangla) and eminent playwright, poet and translator Krishna Pradhan (Nepali, Bangla and English) served as the resource persons of the workshop.

The initiative aimed to enhance students' translation skills, deepen their understanding of translation theories and practices, and highlight translation as a viable professional avenue. "Developing proficiency in translation tasks with accuracy and fluency can open doors to professional opportunities," noted Dr. P.K. Mishra, Principal of the college, in his inaugural address.

Dr. Arnab Baul, Head of the English Department, stressed the intricate relationship between translation and identity, pointing out that a translator navigates not only the author's and reader's identities, but also the identity of their own.

Workshop Coordinator Prof. Sutapa Saha underlined the role of translation in fostering global communication and promoting intercultural understandings. IQAC coordinator Dr. Babli Mondal fondly recalled how translated European comics had shaped young minds, demonstrating the transformative power of translation at an early age.

Sharing their personal experiences, both Sengupta and Pradhan emphasized the delicate balance between remaining faithful to the source text and adapting content to suit cultural and linguistic nuances. They highlighted the importance of respecting regional idioms and expressions while preserving the author's original intent.

The second day of the workshop featured hands-on training sessions where participants practised translating texts, received feedbacks, and engaged in peer critiques, fostering a collaborative learning atmosphere. Prof. Paramita Dasgupta from the English Department anchored the session.

A. Tick the right answer :   1×6=6

(i) (i) The workshop in question was held by– (a) Surya Sen Mahavidyalaya ☐ (b) Surya Sen Mahavidyalaya in collaboration with Odisha University ☐ (c) Surya Sen Mahavidyalaya in collaboration with the IQAC ☐ (d) the Department of English in collaboration with the IQAC of Surya Sen Mahavidyalaya ☐. (ii) The workshop

was on– (a) enhancing speaking skills ☐ (b) enhancing writing skills ☐ (c) translation of the regional languages ☐ (d) transcription of interdepartmental texts ☐. (iii) Dr. Arnab Baul is the– (a) Head of the translation department ☐ (b) Head of the English Department ☐ (c) Dean of students ☐ (d) Co-ordinator of the departments of the college ☐. (iv) According to Prof. Sutapa Saha translation fosters– (a) global communication ☐ (b) global terrorism ☐ (c) global warming ☐ (d) global travelling ☐. (v) Shyamali Sengupta and Krishna Pradhan shared their– (a) personal thoughts ☐ (b) personal differences ☐ (c) personal affinity ☐ (d) personal experiences ☐. (vi) The second day's session was anchored by– (a) Surya Sen ☐ (b) Dr. Arnab Baul ☐ (c) Prof. Paramita Dasgupta ☐ (d) Prof. Sengupta ☐.

B. State whether the following statements are 'True' or 'False'. Write 'T' for 'True' and 'F' for 'False' in the boxes on the right hand side. Also provide sentences or phrase(s) from the passage in support of your answers : (1+1)×3=6

(i) The workshop on translation was conducted by two eminent linguists. ☐ Supporting Quote —— (ii) The initiative emphasized on the importance of translation as a feasible option of global understanding and communication. ☐ Supporting Quote —— (iii) Dr. Arnab Baul stressed upon remaining faithful to the author's intent while translating a text. ☐ Supporting Quote ——.

C. Answer the following questions : 2×4=8

(i) What was the workshop meant for? (ii) What was the aim of the initiative? (iii) Who was the workshop co-ordinator? (iv) What did the workshop co-ordinator underline?

SECTION-B (GRAMMAR AND VOCABULARY)

4. Write the correct alternative to fill in the blanks : 1×3=3

The first thing that men —— (learn/ learnt/ learning), as soon as they began to study nature carefully, —— (be/ will be/ was) that some events —— (take/ takes/ took) place in regular order and that some causes always give rise to the same effects.

5. A. Fill in the blanks with the appropriate article or preposition : 1×3=3

After —— death of Nadir Shah in 1747, one —— his officers named Ahmed Shah, rose —— power and succeeded into establishing himself as the ruler of Afghanistan.

B. Do as directed : 1×3=3

(i) As soon as he saw the police, he ran away. (Begin with 'Hardly') (ii) The Nation will always remember the sacrifice of the freedom fighters.

(Change the voice) (iii) The doctor in the hospital asked my father what he (the doctor) had to do then. (Change into direct speech)

C. Choose the correct phrasal verbs from the list given below to replace the words underlined. Change the form, if necessary. There is one extra option: $1×3=3$

(i) Please <u>wear</u> your cap before going out in the sun. ☐ (ii) The welding machine suddenly <u>became inactive</u>. ☐ (iii) We have to <u>search for</u> the real cause of this debacle. ☐. [List: look into, put on, hold on, leave off]

6. Given below are the meanings of four words which you will find in the passage in Question. No. 3. Find out the words and write them in the appropriate boxes on the right hand side: $2×4=8$

(i) famous ☐ (ii) ability or skill ☐ (iii) transmission or conveying information ☐ (iv) related to language ☐.

SECTION-C (WRITING)

7. Write a letter to the editor of an English newspaper about the problems faced by common people due to price rise of everyday commodities. (Word limit 100) :   10

8. Write a short story with the given points. Provide a heading to it. (Word limit 100)   10

[crow sitting on a tree – piece of meat in its beak – fox passing – wants the meat – asks the crow to sing – crow keeps meat under his feet – sings – fox gets befooled]

9. Write a paragraph within 100 words on 'Man and Trees'. You may use the following hints :   10

[importance of trees and plants–gifts of trees: oxygen, primary food, medicines, wood and timber–prevent flood and induce rainfall–give shade–absorbs polluting agents–our role to save trees]

MATHEMATICS

1. নিম্নলিখিত প্রশ্নগুলির প্রতিটি ক্ষেত্রে সঠিক উত্তরটি নির্বাচন করো: $1×6=6$

(i) নির্দিষ্ট সুদের হার এবং নির্দিষ্ট সময়ে টাকা জমানোর ক্ষেত্রে কোনটি বেশি লাভজনক? (a) চক্রবৃদ্ধি সুদ (b) সরল সুদ (c) দুই ক্ষেত্র সমান লাভজনক (d) বলা সম্ভব নয়। (ii) $ax^2+bx+c=0, a≠0$ সমীকরণের বীজদ্বয় বাস্তবও সমান হলে নীচের কোনটি সত্য? (a) $a=\dfrac{b^2}{c}$ (b) $b^2=ac$ (c) $ac=\dfrac{b^2}{4}$ (d) $c=\dfrac{b^2}{a}$ (iii) অবিন্যস্ত রাশিতথ্যকে মানের ঊর্ধ্বক্রমে বা অধঃক্রমে সাজালে তাদের মধ্যমান বা দুটি মধ্যমানের গড়কে বলা হয় (a) মধ্যক (b) মধ্যমান (c) সংখ্যাগুরুমান (d) কোনোটিই নয়। (iv) দুটি ঘনকের আয়তনের অনুপাত 8:125 হলে, তাদের সমগ্রতলের ক্ষেত্রফলের অনুপাত হল – (a) 8:125 (b) 4:25 (c) 2:5 (d) 16:25 (v) দুটি বৃত্ত পরস্পরকে অন্তঃস্পর্শ করলে বৃত্ত দুটির সাধারণ স্পর্শকের

৯। চলিত বাংলায় অনুবাদ করো :   ৮

We the Indians live in India and work for India. But we should remember that we belong to the larger family of the World. The people living in other Countries are after all our cousins. It would be such an excellent thing if all the people in the world were happy and contended.

১০। কমবেশি ১৫০ শব্দে যেকোনো একটি প্রশ্নের উত্তর দাও :   ৫

১০.১ বই পড়ার অভ্যাস কমে যাচ্ছে এ বিষয়ে দুই বন্ধুর সংলাপ রচনা করো। ১০.২ সন্ত্রাসবাদী হামলা ভারতের ঐক্য বিনষ্টের চক্রান্তে – এ বিষয়ে সংবাদপত্রে প্রকাশের উপযোগী একটি প্রতিবেদন রচনা করো।

১১। কমবেশি ৪০০ শব্দে যেকোনো একটি বিষয় অবলম্বনে প্রবন্ধ রচনা করো : ১০

১১.১ যুদ্ধ মানে তোমার প্রতি আমার অবহেলা। ১১.২ একটি ভ্রমণের অভিজ্ঞতা। ১১.৩ বিজ্ঞান ও কুসংস্কার। ১১.৪ একটি পথের আত্মকথা।

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ENGLISH (Second Language)
SECTION-A : READING COMPREHENSION (SEEN)

1. **Read the passage below and answer the following questions** :

A month later a letter came for Father. After he finished reading it, his eyes looked as if he had been crying. "Do you want to know what became of your kite?", he said. Then he sat down beside us and told us the whole story.

Father had a brother and a sister. He had quarrelled with his borther and left home. Years afterward, he felt sorry and when he went back, he found his brother had died and couldn't find his sister.

The letter Father had just received was from his sister, Aunt Esther, mother of Dick and Mimi. She was a widow who lived hundreds of miles inland. One day when Dick and Mimi were out in the woods, they discovered the kite on the top of a tree and carried it home. When their mother saw the kite patched with the letter, she turned pale. It was the very letter she had once written to her brother. Philippa was her mother's name and Claude was her father's. She knew who we must be. So she sat down and wrote to Big Half Moon and Father received the letter.

Next day, Father went and brought Aunt Esther and Dick and Mimi with him. They have been here ever since. Aunt Esther is a dear and Dick and Mimi are too jolly for words. But the best of it all is that we have relations now.

A. **Write the correct alternative in the given space to complete the following sentences** :   1×5=5

(a) After a month a letter come for – (i) Claude (ii) Dick (iii) the

narrator's father (iv) Mimi. (b) The number of siblings the narrator's father had – (i) one (ii) two (iii) three (iv) four. (c) After reading the letter, father seemed to – (a) laugh (ii) shout (iii) run (iv) cry. (d) The letter was written by – (i) the narrator (ii) the narrator's father (iii) the narrator's aunt (iv) the narrator's friend. (e) The kite was patched with – (i) a loin cloth (ii) bloting paper (iii) a piece of polythene (iv) the letter.

B. **Complete the following senctences with information from the text :**
                                                                    1×3=3

(i) Name of Aunt Esther's mother _____. (ii) The person who lived hundreds of miles inland was _____. (iii) Dick and Mimi were _____.

C. **State whether the following statements are 'True' or 'False'. Write 'T' for True and 'F' for False statement in the boxes on the right-hand side. Also Provide sentence/phrases from the passage in support of your answer :**   (1+1)×2=4

(i) Aunt Esther's husband died ☐ Supporting quote : _____. (ii) The narrator's father didn't leave home anytime ☐ Supporting quote : _____.

2. **Read the poem and answer the questions that follow :**

        The mountain and the squirrel
        Had a quarrel
        And the farmer called the latter 'Little Prig'.
        Bun replied
        'You are doubtless very big;
        But all sorts of things and weather
        Must be taken in together,
        To make up a year
        And a sphere.
        And I think it no disgrace
        To occupy my place.
        If I'm not so large as you,
        You are not so small as I,
        And not half so spry.
        I'll not deny you make
        A very pretty squirrel track;
        Tatents differ: all is well and wisely put;
        If I cannot carry forests on my back.
        Neither can you crack a nut'.

A. **Tick the correct alternative to complete the following sentences :**
                                                                    1×4=4

(a) Here the 'bun' is – (i) the mountain ☐ (ii) the nut ☐ (iii) weather ☐. (iv) the squirrel ☐. (b) The squirrel and the mountain had – ((i) a

friendship ☐ (ii) an agreement (iii) a quarrel ☐ (iv) a similarity ☐. (c) A nut is cracked by – (i) the squirrel ☐ (ii) the mountain ☐ (iii) the weather ☐ (iv) the forest ☐. (d) The mountain is – (i) wise ☐ (ii) little ☐ (iii) large ☐ (iv) spry ☐.

B. **Answer the following questions :**   2×2=4

(i) What must be done to make up a year and a sphere? (ii) What can a squirrel do and the mountain can't?

READING COMPREHENSION (UNSEEN)

3. **Read the text carefully and answer the questions that follow :**

Kolkata, May 11, 2025 ; A 39-year-old physically challenged cyclist from Tamil Nadu, Tameem Ansari, who is pedalling 6,000km as part of a green mission, reached city on Friday.

With a placard fixed to his bicycle beaaring the awarness message on cleanliness and need to keep the environment safe, Ansari had embarked upon the journney from Vidhana Soudha in Bengaluru on April 6. His green journey covers Mumbai, Delhi, Chennai and Kolkata. The ride will end at Bengaluru.

He had reached Kolkata after cycling for 16 days for Delhi. On Monday, he will leave Kolkata and pedal to Chennai, the fifth stop of his clean and green city ride mission. "After a brief spell of rest, I will resume cycling for this social cause," said Ansari, who stayed at a guest house in Kidderpore and gave his cycle for repair in the city.

"Initially, my plan was to end the 6,000 km ride in 35 days but I faced some trouble, for instance, the cycle needed to be repaired. So, It will take some more time to conclude the ride", he said.

A. **Tick the correct alternative to complete the following sentences :**

1×6=6

(i) Tameem Ansari belonged to – (a) Karnataka ☐ (b) Andhrapradesh ☐ (c) Tamilnadu ☐ (d) Kerala ☐. (ii) Tameem Ansari began his journey from – (a) Bengaluru ☐ (b) Mumbai ☐ (c) Chennai ☐ (d) Kolkata ☐. (iii) Age of the cyclist is – (a) 37 years ☐ (b) 39 years ☐ (c) 93 years ☐ (d) 33 years ☐. (iv) Chennai will be his – (a) 6th stop ☐ (b) 5th stop ☐ (c) 4th stop ☐ (d) 7th stop ☐. (v) Ansari would ride 6,000 Km in – (a) 35 days ☐ (b) more than 35 days ☐ (c) less than 35 days ☐ (d) 53 days ☐. (vi) The type of text is – (a) story ☐ (b) essay ☐ (c) article ☐ (d) newspaper report.

B. **Each of the following statements is either 'True' or 'False'. Write 'T' for True and 'F' for False statements in the boxes on the right-hand side. Aslo write suitable sentence or phrase(s) from the passage in support of your answers :**   (1+1)×3=6

(i) In Kolkata Ansari stayed in a friend's house. ☐ S.Q : _____. (ii) The cycle of Ansari needed some repair. ☐ S.Q : _____. (iii) Tameem Ansari was not a physically normal individual ☐ S.Q : _____.

C. Answer the following questions :   2×4=8

(i) What is the name of Ansari's mission? (ii) What did Ansari fix to his bicycle? (iii) How many days did Ansari take to reach Kolkata? (iv) Which cities did Ansari want to cover during his mission?

SECTION-B (GRAMMAR AND VOCABULARY)

4. Write the correct alternatives to fill in the blanks :   1×3=3

A 19-year-old student from Ghum _____ (was reaching/reaches/reached) the summit of Mount Everest. Pratima Rai _____ (was/were/will be) the only female cadet who _____ (was selected/selected/will be selected) from Bengal and Sikkim for the mission.

5. Do as directed :

A. Fill in the blanks with appropriate article or preposition :   1×3=3

iPhone maker Fox-Conn is making _____ $1·5 billion investment _____ expand its focus _____ India as Apple looks to mitigate geopolitical and tariff risks by shifting production away from China.

B.   1×3=3

(i) The teacher was inspecting the home lesson (Change the voice). (ii) "You are half an hour late," Samuel said (Change the narration). (iii) People on the train sang bhajans (Make it complex).

C. Choose the correct phrasal verbs from the list given below to replace the words underlined. Write the correct phrasal verbs in the boxes on the right-hand side changing the form if necessary. (There is one extra phrasal verb in the list) :   1×3=3

(i) The brave never <u>surrenders</u> to evil ☐. (ii) The old man <u>recovered</u> quickly ☐. (iii) He had <u>quarrelled</u> with his brother ☐.

[Phrasal verbs : give up, give in, fall out, come round]

6. Given below are the meanings of four words which you will find the passage in Question No. 3. Find out the words and wirte them in the appropriate boxes on the right-hand side :   2×4=8

(i) started ☐ (ii) goal/undertaking ☐ (iii) start again ☐ (iv) primarily ☐

SECTION-C (WRITING)

7. Write a letter to the officer-in-charge of the Police Station reporting the loss of your Registration Certificate issued by the West Bengal Board of Secondary Education.   10

8. Suppose your school is going to organise an educational tour to a place of historical importance in your district. Now as the secretary of the tour committee, write a notice in this regard using

the following points. 10

[Points : date and time of the journey – students of which classes to be allowed – histotical sites – mode of transport – fees – consent letter of guardains.]

9. **Write a paragraph in about 120 words on Discipline in a student's life. Use the following points.** 10

[Hints : meaning of discipline – importance of practising it from the very beginning – self control is the key – success]

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MATHEMATICS

1. নিম্নলিখিত প্রশ্নগুলির প্রতিটি ক্ষেত্রে সঠিক উত্তরটি নির্বাচন করো : 1×6=6

(i) O কেন্দ্রীয় বৃত্তের PQ ব্যাস। RS জ্যা PQ-এর সমান্তরাল। বৃত্তের ওপর X এমন একটি বিন্দু যে, $\angle QXR=43°$, $\angle QRS$-এর পরিমাপ – (a) 57° (b) 90° (c) 43° (d) 47°। (ii) একটি সমকোণী ত্রিভুজের বাহুদ্বয় 3 সেমি এবং 4 সেমি, বড়ো বাহুটিকে অক্ষ ধরে ত্রিভুজটিকে ঘোরালে যে শঙ্কু উৎপন্ন হয় তার ঘনফল – (a) $49\frac{4}{7}$ ঘনসেমি (b) $50\frac{2}{7}$ ঘনসেমি (c) $37\frac{5}{7}$ ঘনসেমি (d) $52\frac{3}{7}$ ঘনসেমি। (iii) একটি বৃত্তের ব্যাসার্ধ 6 সেমি। এই বৃত্তের 9 সেমি দৈর্ঘ্যের বৃত্তচাপ কেন্দ্রে $x°$ কোণ উৎপন্ন করলে – (a) $70°<x°<75°$ (b) $75°<x<80°$ (c) $80°<x<85°$ (d) $85°<x<90°$। (iv) মানের ঊর্ধ্বক্রমে সাজানো 8, 9, 12, 17, $x+2$, $x+4$, 30, 31, 34, 39 তথ্যের মধ্যমা 24 হলে x-এর মান – (a) 22 (b) 21 (c) 20 (d) 24। (v) $3^{x+2}+3^{-x}=10$-এর বীজ দুটি হল – (a) –1, 3 (b) –2, 0 (c) +1, +3 (d) –4, 0। (vi) একটি শিশুর ওজন প্রতি বছর 10% হারে বৃদ্ধি পায়। বর্তমানে শিশুটির ওজন 10 কিগ্রা হল, 2 বছর পর শিশুটির ওজন হবে – (a) 11·5 কিগ্রা (b) 12 কিগ্রা (c) 12·1 কিগ্রা (d) 12·5 কিগ্রা।

2. শূন্যস্থান পূরণ করো (যেকোনো পাঁচটি) : 1×5=5

(i) বার্ষিক 4% সরল সুদের হারে, x বছরের সবৃদ্ধিমূল y টাকা হলে, আসলের পরিমাণ হবে ____ টাকা। (ii) $x \propto \frac{1}{y}$ হলে, $(x+y)$-এর ক্ষুদ্রতম মান হবে ____ শর্তে।

(iii) 10 সেমি এবং 5 সেমি ব্যাসার্ধবিশিষ্ট দুটি বৃত্তের সরল সাধারণ স্পর্শকের দৈর্ঘ্য 12 সেমি হলে বৃত্ত দুটির কেন্দ্রদ্বয়ের মধ্যে দূরত্ব হবে ____ সেমি। (iv) কোনো তথ্যসমূহের জন্য যদি $\sum_{i=1}^{n}(x_i-7)=-8$; $\sum_{i=1}^{n}(x_i+3)=72$ হয়, তাহলে $\bar{x}$ এবং n-এর মান হবে ____।

(v) $\sin^4\theta+\cos^4\theta$-এর সর্বোচ্চ মান ____ হবে। কোনো লম্ববৃত্তাকার শঙ্কুর উচ্চতা ও ভূমির ব্যাসার্ধ সমান হলে এবং উচ্চতা এবং তির্যক উচ্চতার অনুপাত হবে ____।

নিজের ভাষায় লেখো।

৭। কমবেশি ১২৫ শব্দে যেকোনো একটি প্রশ্নের উত্তর দাও :   ৮

৭.১ "সুতরাং আমি মুসলমান বলে আমার প্রতি আপনারা বিরূপ হবেন না"– কাদের উদ্দেশে কার এই বিলাপ। কেন এই বিলাপ? এই বিলাপ আজও কতটা প্রাসঙ্গিক? ৭.২ "আমার রাজ্য নাই, তাই আমার কাছে রাজনীতিও নাই – আছে শুধু প্রতিহিংসা।"– কে বলেছে? বক্তার মানসিকতা উক্তির আলোকে বিচার করো।

৮। কমবেশি ১৫০ শব্দে যেকোনো দুটি প্রশ্নের উত্তর দাও :   ২×৫=১০

৮.১ "আমি আপনার বোনকে সাঁতার শেখাতে চাই।" – বক্তা কে? উদ্দিষ্ট ব্যক্তি কী প্রত্যুত্তর দেন? ৮.২ "সাঁতারু অনেক বড়ো সেনাপতির থেকে।" – বক্তাকে অনুসরণ করে উক্তিটির তাৎপর্য বিশ্লেষণ করো নিজের ভাষায়। ৮.৩ 'কোনি' উপন্যাসে কমল চরিত্রটি কীভাবে প্রাসঙ্গিকতা অর্জন করেছে, নিজের ভাষায় লেখো।

৯। চলিত বাংলায় অনুবাদ করো :   ৮

Education has no end. So you should keep up your reading. Many young men and women close their books when they have got their degrees and learn no more. Very soon they forget all they have ever learnt.

১০। কমবেশি ১৫০ শব্দে যেকোনো একটি প্রশ্নের উত্তর দাও :   ৫

১০.১ মাধ্যমিক পরীক্ষার পর কোন শাখাকে পাঠক্রম হিসাবে বেছে নেবে এই মর্মে দুই বন্ধুর মধ্যে একটি কাল্পনিক সংলাপ রচনা করো। ১০.২ 'জলাভূমি বুজিয়ে আবাসন নয়' – এই মর্মে একটি প্রতিবেদন রচনা করো।

১১। কমবেশি ৪০০ শব্দে যেকোনো একটি বিষয় অবলম্বনে প্রবন্ধ রচনা করো : ১০

১১.১ বিজ্ঞান বনাম অপবিজ্ঞান। ১১.২ তোমার জীবনের গন্তব্য। ১১.৩ শৈশবের একটি মধুময় ঘটনার স্মৃতি। ১১.৪ তোমার প্রিয় সাহিত্যিক।

———————

ENGLISH (Second Language)
SECTION-A : READING COMPREHENSION (SEEN)

1. **Read the following passage carefully and answer the quetions that follow :**

A month later a letter came for Father. After he finished reading it, his eyes looked as if he had been crying. "Do you want to know what became of your kite?", he said. Then he sat down beside us and told us the whole story.

Father had a brother and a sister. He had quarrelled with his brother and left home. Years afterward, he felt sorry and when he went back, he found his brother had died and he couldn't find his sister.

The letter Farther had just feceived was from his sister, Aunt Eshter, mother of Dick and Mimi. She was a widow who lived hundreds of miles inland. One day when Dick and Mimi were out in the woods,

they discoverd the kite on the top of a tree and carried it home. When their mother saw the kite patched with the letter, she turned pale. It was the very letter she had once written to her brother. Philippa was her mother's name and Claude was her farther's. She knew who we must be. So she sat down and wrote to Big Half Moon and Father received her letter.

Next day, Father went and brought Aunt Esther and Dick and Mimi with him. They have been here ever since. Aunt Esther is a dear and Dick and Mimi are too jolly for words.

A. **Write the correct alternative to complete the following sentences :**

$1 \times 5 = 5$

(i) After reading the letter Father looked to be – (a) mourning (b) weeping (c) laughing (d) jesting. (ii) Father told them a story of their – (a) friends (b) colleagues (c) kinsmen (d) foes. (iii) Father fell out with his – (a) brother (b) sister (c) daughter (d) both brother and sister. (iv) Philippa was the name of – (a) Father's mother (b) Dick's mother (c) Narrator's mother (d) Mimi's aunt. (v) The kite was patched with the letter written by – (a) Esther to her husband (b) Esther to her brother (c) Father to his sister (d) Philippa to claude.

B. **Complete the following sentences with information from the text :**

$1 \times 3 = 3$

(i) Uncle of the narrator died after ———. (ii) Aunt Esther saw ———.
(iii) Claude was ———.

C. **Answer the following questions :** $2 \times 2 = 4$
(i) What did father finally do getting the letter? (ii) What story did father tell his son and daughter?

2. **Read the excerpt and answer the questions given bellow :**

        To grass, or leaf, or fruit, or wall
        The snail sitcks close, nor fears to fall
        As if he grew there, house and all,
                            Together.
        Within that house secure he hides
        When danger imminent betides of strom,
        Or other harm besides
                            Of weather.
        Give but his horns the slightest touch,
        His self-collecting pow'r is such,
        He shrinks into his house with much
                            Displeasure.
        Wher'er he dwells, he dwells alone,

Except himself has chatells none,
Well satisfied to be his own
Whole treasure.

A. Write the correct alternatives to complete the following sentences :

1×4=4

(i) The snail does not fear to – (a) die (b) fall (c) escape (d) hide. (ii) The snail faces imminent danger when there is –(a) storm (b) rain (c) thunder (d) lighting. (iii) The snail shrinks into his house with – (a) happiness (b) cleverness (c) annoyance (d) indifference. (iv) 'Exept himself has chatell none'– Here 'chatell' refer to– (a) personal belongings (b) personal dwelling (c) personal interest (d) personal pleasure.

B. Answer the following questions :   2×2=4

(i) Where does the snail stick close to? (ii) Mention the probable inconvienieneces faced by the snail.

READING COMPREHENSION (SEEN)

3. Read the following passage carefully and answer the questions that follow :

It is a known fact that children generally emulate the adults. When a child imitates an elder smoking by holding a pencil between his/her tiny fingers, most of us find it quite cute. We fail to realise that this harmless imitation often results in actual smoking when they grow up. So it is time to take a pause and think about its consequences. According to WHO data, tobacco kills more than seven million people each year. While more than six million of those deaths are the result of direct tobacco use, many non-smokers die because they are exposed to second-hand smoke.

Over eighty percent of individuals, who start smoking during adolescence, will continue to smoke in adulthood, while one-third of them will die prematurely due to smoking-related diseases like cancer, heart dieseases and chronic lung deseases. Experimentation by children can rapidly escalate into heavy smoking.

Experts say that unless urgent action is taken immediately, the annual death toll could rise to more than eight million by 2030. This sure is a gloomy and cheerless world that we are leaving behind to our future generations. So it is time to motivate youngsters to stay away from this deadly habit.

Dr. Shyama Chona, the educationist says, "The best way to motivate them to stay away from smoking is to involve them in some activities." She suggests that school can organise events like sports, drama, and story-telling sessions. Such participatory learning is very effective

because it dissuades kids from smoking, when they themselves propagate its bad effects.

Parents have a big role to play when it comes to influencing their kids. Theatre director Arvind Gour says that a smoking parent can never tell his/her child not to smoke because that would be too hypocritical.

A. Write the correct alternatives to complete the following sentences :

1×6=6

(i) We find it cute when – (a) a child imitates an audlt (b) an adult imitates a child (c) a child simulates the act of smoking (d) a child actually smokes. (ii) According to WHO data, each year direct use of tobacco kills – (a) seven million people (b) more than 7,000,000 (c) less than six million people (d) more than six million people. (iii) In the opinion of experts, action should be taken – (a) urgently (b) by WHO (c) by 2030 (d) by the parents. (iv) Dr. Shyama Chona is – (a) a medical practitioner (b) a psychologist (c) a social worker (d) an educationist. (v) 'Deadly habit' in paragraph no. 3 refers to – (a) sports (b) smoking (c) paly-acting (d) story-telling. (vi) A smoking parent can – (a) always tell his child to smoke (b) tell his child to be hyporitical (c) never forbid his child to smoke. (d) tell his child to be honest and truthful.

B. Each of the following statements is either True or False. Write 'T' for true and 'F' for false in the boxes on the right-hand side. Also pick out suitable sentence or phrase (s) from the passage in support of your answers : (1+1)×3=6

(i) A child should never be encouraged to imitate an elder smoking. ☐ Supporting quote: (ii) Many non-smokers are no victim of passive smoking. ☐ Supporting Quote: (iii) Our future generations will be left in a dark and hopeless world due to tobacco industry. ☐ Supporting quote :

C. Answer the following questions : 2×4=8

(i) Why does a child imitate an elder smoking? (ii) How does one who smokes cause sufferings for his family? (iii) What steps may be taken to stop smoking? (iv) Who can motivate children to stay away from smoking?

SECTION-B : GRAMMAR AND VOCABULARY

4. Write the correct alternative to fill in the blanks : 1×3=3

Little did his mother (thought/was thinking/think) when she (beheld/behold/beholding) that her new born baby – (destined/was destined/destiny) to explain many matters of the universe.

5. Do as directed : 1×3=3

A. Fill in the blanks with the appropriate articale or preposition :

According to police —— explosion accured —— around 8.45 am —— a

seed and fertilizer shop in the city.

B. (i) How have you done it? (Change the voice.) (ii) His behaviour proved his innocence. (Use the adjective form of 'innocence'.) (iii) Where but in home can you find such joy? (Turn into a statement.)

C. Choose the correct phrasal verbs given below to replace the words underlined. Write the correct phrasal verbs in the boxes on the right hand side, changing the form, where necessary, there is one extra phrasal verb in the list : 1×3=3

(i) He <u>stopped</u> suddenly in the middle of his speech. ☐ (ii) The cat <u>chased</u> the rat. ☐ (iii) He <u>fails to go with</u> the progress of the class. ☐ [List of phrasal verbs : run after, keep up with, break off, put down]

6. **Given below are the meaning of four words which you will find in question no.3. Find out the words and write them in the appropriate boxes on the right-hand side.** 2×4=8

(i) imitate ☐ (ii) two-faced ☐ (iii) discourages ☐ (iv) spread and promote an idea widely ☐

SECTION-C : WRITING

7. **Suppose you are the school monitor. Now write a notice for the students of your school instructing them to maintain the cleanliness of the school compound.** 10

8. **Write a story in about 100 words using the following outline and add a suitable title to your story.** [outline : a poor girl much interested in studies —— driven out from home by her stepfather —— rescued and adopted by a kind - hearted person —— becomes a good doctor —— stepfather gets cured by her treatment —— feels repentant —— receives blessings]

9. **Write a letter to your friend (within 100 words) advising her/him to visit the public library in her/his locality regularly.** 10

MATHEMATICS

1. সঠিক উত্তর নির্বাচন করো : 1×6=6

(i) কোনো মূলধন সুদে মূলে 10 বছরে দ্বিগুণ হলে, বার্ষিক সরল সুদের হার (a) 5% (b) 10% (c) 15% (d) 20% (ii) কোন শর্তে $(ax^2+bx+c=0)$ দ্বিঘাত সমীকরণটির একটি বীজ সর্বদা 'শূন্য' হবে (a) $a\neq0, b\neq0, c\neq0$ (b) $a=0, b\neq0, c\neq0$ (d) $a\neq0, b\neq0, c=0$ (d) $a=0, b=0, c=0$ (iii) 'O' কেন্দ্রীয় বৃত্তের APB চাপের উপর অবস্থিত কেন্দ্রস্থ কোণের মান $2x°$ ও বৃত্তস্থ কোণের মান $y°$ হলে নিচের কোন সম্পর্কটি ঠিক (a) $x°=\dfrac{y°}{2}$ (b) $x°=y°$ (c) $2x°=y°$ (d) $x°=2y°$ (iv) একটি আয়তঘনাকার চৌপলের কর্ণের সংখ্যা (a) 2টি (b) 1টি (c) 4টি (d) 8টি (v) নিচের কোনটি একটি জ্যামিতিক