

SLS DAV PUBLIC SCHOOL, MAUSAM VIHAR
SAMPLE QUESTION PAPER
TERM 1
ENGLISH COMMUNICATIVE (Code No. 101)
CLASS-X

TIME- 3 Hrs.

Max. Marks-80

General Instructions:

Read the following instructions very carefully and strictly follow them:

- I. This question paper has 12 questions. All questions are compulsory.
- II. This question paper contains three sections: Section A: Reading Skills, Section B: Writing Skills, Section C: Grammar, Section D: Literature Textbook
- III. Attempt all questions based on specific instructions for each part. Write the correct question number and part thereof in your answer sheet.
- IV. Separate instructions are given with each question/part, wherever necessary.
1. V. Adhere to the prescribed word limit while answering the questions.

SECTION A: READING 22 marks

1. Read the following passage. (12)

The groundbreaking space mission that will make Air Force Group Captain Shubhanshu Shukla, only the second Indian to go to space, has been postponed to June 10, Axiom Space Inc. announced on Tuesday—the second delay for the historic 14-day flight.

Axiom Space Inc. announced that the Ax-4 mission, originally scheduled for May 29 and later moved to June 8, will now lift off at 8:22 am EST aboard a SpaceX Falcon 9 rocket from NASA's Kennedy Space Centre in Florida for the International Space Station.

The 39-year-old test pilot will join three international crew members on the SpaceX Dragon spacecraft, marking India's return to human spaceflight after a 40-year hiatus since Rakesh Sharma's pioneering mission in 1984.

2. "Since we both belong to the Indian Air Force and were also test pilots, he understands the journey and background I come from," Shukla said, speaking of Sharma as his mentor during a virtual press conference with the crew. "He navigated the same path in 1984 and guided me with sound advice which I am carrying along."
3. Shukla, who grew up reading about Sharma in textbooks, initially channeled his space fascination into flying fighter jets before India had a human spaceflight programme. When Prime Minister Narendra Modi announced the Gaganyaan mission in 2018—India's first indigenous crewed orbital flight—Shukla immediately applied for the Indian Space Research Organisation's (ISRO) Human Spaceflight Programme and remains among the top contenders, he said.
4. The mission carries deep personal significance for Shukla, who will take a surprise gift to space for Sharma without revealing details. "I will personally hand it over to him once I am back," he

said. Shukla said that himself he will carry his favourite mango nectar, moong halwa, and carrot halwa.

5. Leading the Ax-4 crew is Peggy Whitson, a former NASA astronaut commanding her second commercial human spaceflight mission. The team includes Sławosz Uznański, an ESA project astronaut who becomes the second Polish astronaut since 1978, and Tibor Kapu, Hungary's second national astronaut since 1980.
6. The mission represents a significant milestone for all three nations, each returning to human spaceflight after more than four decades and visiting the ISS for the first time.
7. Adding a touch of whimsy, the crew unveiled a fifth member—a swan named Joy serving as a Zero G indicator. Whitson explained the choice symbolised wisdom in India, resilience in Poland, and grace in Hungary.
8. Shukla will conduct seven experiments during the mission, studying microgravity's impact on edible microalgae to analyzing human interaction with electronic displays in space.
9. From the ISS, Shukla will interact with students, academia, and space industry members, embodying what he describes as “carrying the hopes and dreams of a billion hearts.”

(Source: Hindustan Times, 4 June 2025)

I. What makes the Ax-4 mission historically significant for India? (1)

- A. It is the first Indian space mission involving women astronauts.
- B. It is the first mission to study microalgae in space.
- C. It marks India's return to human spaceflight after four decades.
- D. It is India's first indigenous crewed mission by ISRO.

II. What does the swan named Joy symbolise in the context of the mission? (1)

- A. Unity among international space agencies.
- B. The values of wisdom, resilience, and grace from the participating nations.
- C. The mascot of the Indian Air Force.
- D. The technological progress of the Dragon spacecraft.

III. Complete the following suitably. (1)

The Ax-4 space mission holds deep personal meaning for Group Captain Shubhanshu Shukla because _____.

IV. Rectify the given false statement. (1)

Rakesh Sharma and Shubhanshu Shukla flew together on the Ax-4 mission.

V. List any ONE way Group Captain Shubhanshu Shukla is paying tribute to Rakesh Sharma. (1)

VI. Why did Shubhanshu Shukla choose to apply for the ISRO Human Spaceflight Programme? (1)

VII. Why does the writer suggest that the Ax-4 mission is a landmark moment for multiple nations? (2)

VIII. How do we know that Rakesh Sharma played a mentoring role in Shubhanshu Shukla's journey? (2)

IX. Explain why the mission is both personal and professional for Shubhanshu Shukla. (2)

2. The following data is based on an analysis of Jasprit Bumrah's performance and his impact on India's Test matches, particularly in overseas countries.

Study the given passage and graph carefully, and answer the questions that follow.

(10)



Jasprit Bumrah, India's premier pacer, is unlikely to play all five Tests in England this summer. However, his presence remains central to India's success. One-on-one duels, such as Bumrah vs. Usman Khawaja, often shape series outcomes. Khawaja, dismissed six times in eight innings by Bumrah, admitted, "I was just getting Bumrah'ed." English batter Jamie Smith is already wary: "Hopefully, I can watch others face him first."

Bumrah's fitness is key. After back troubles post the Sydney Test in January, he returned for the IPL and looked sharp. But Tests demand more—bowling long spells rather than 4-over bursts. Ramji Srinivasan, former India strength and conditioning coach, explains that shifting formats requires 10–14 days of adaptation. "Your workload jumps four to five times. Gradual build-up with near-match intensity is crucial," he said.

Previously, India overused Bumrah during a five-Test series in Australia, where he claimed **32 wickets at 13.06** and a **strike rate of 28.3**, the best by an Indian in an away series. He bowled almost 25% of the overs among 9 bowlers but couldn't finish the final Test. "Injuries result from overloading," said Srinivasan. Recovery must consider speed, number of deliveries, running distance, and throws in the field. A full support team — physios, strength coaches, and fielding and bowling coaches — must coordinate his workload.

Bumrah is consulting New Zealand-based surgeon Dr. Rowan Schouten, who operated on his back in 2023. One proposed approach involves him playing alternate Tests, depending on how his body responds. Week-long gaps before the second and fourth Tests may offer recovery time. "We haven't taken a call yet. It depends on how the series unfolds," said chief selector Gautam Gambhir.

Since debuting, Bumrah has taken **205 Test wickets at 19.4 average**, nearly double that of the second-best Ashwin. In SENA (South Africa, England, New Zealand, Australia) countries, his stats outshine Indian legends like Shami, Ishant, Zaheer, and Kapil Dev. However, **he has missed 35%** of India's Tests due to injury.

With no current sports science head at BCCI, Bumrah's understanding of his body becomes vital. How young captain **Shubman Gill** manages himself over the long series will be a strategic test.

During the Melbourne Test, **Rohit Sharma** used Bumrah in nine short spells. By the end, Bumrah said, "*Bas, ab aur nahi lag raha zor (I can't push anymore).*"

As former Australian all-rounder Shane Watson observed, "India can't push the breaking point with Bumrah again." Though India has six other pace options, Bumrah's presence changes everything — **India with and without him is like chalk and cheese.**

(Source: Hindustan Times, 7 June 2025)

Answer the following questions based on the above passage:

(i) Identify the number of wickets Jasprit Bumrah has taken in his Test career so far. (1)

- (A) 145
- (B) 205
- (C) 173
- (D) 119

(ii) According to the passage, Bumrah might not play all five Test matches in England primarily because of: (1)

- (A) His inconsistency in performance
- (B) His back injury and workload management
- (C) Lack of interest in long-format cricket
- (D) The presence of many other bowlers in the squad

(iii) Which of the following shows Bumrah's dominance in SENA countries? (1)

- (A) He has the highest batting average
- (B) He takes the least time to adjust to new conditions
- (C) He has taken more wickets at a lower average and strike rate than other Indian pacers
- (D) He plays every match in the SENA tours

(iv) Provide a reason for each to justify the following statements: (2)

- (a) Jasprit Bumrah is crucial to India's chances in overseas Tests.
- (b) Managing Bumrah's workload requires a collaborative approach.

(v) Select the correct option to complete the analogy: (1)

Fitness trainer: Cricketer :: _____ : Bumrah's rehab

- (A) Selector
- (B) Orthopaedic surgeon
- (C) Batter
- (D) Umpire

(vi) Complete the sentence with a logical inference based on the passage: (1)

India's team management might consider making Bumrah play alternate Tests because...

(vii) Validate why Bumrah's absence can significantly affect India's performance in England. Support with two points from the passage or graph. (2)

(viii) Which of the following is **true** according to the given data and passage? (1)

- (A) Bumrah has a higher average than Ashwin in SENA countries.
- (B) Bumrah has played more Tests than all other Indian pacers.
- (C) Bumrah has taken more wickets in away matches than most Indian bowlers.
- (D) Bumrah prefers batting in the lower order.

SECTION B: WRITING SKILLS (22 marks)

3. You are Aarav/Aanya, a student of Class X-A. You wish to change your bus timing due to a change in your coaching schedule. Write an **application to the Principal** of your school requesting the change in **not more than 50 words**. (3)

4. Write a factual description, in not more than 100 words, of a mobile phone that you wish to gift your mother from the pocket money that you have saved. (4)

5. (a) Write a letter to the Mayor of your city, addressing the issue of carelessness in transportation habits and advocating for initiatives to promote reduced car dependency in the community. Deliberate on the environmental, health, and social benefits of reducing reliance on cars and propose specific measures to encourage alternative modes of transportation. Also, emphasise the importance of community engagement and collaboration in achieving a more sustainable and liveable city. Use ideas from Unit 3: Science, along with your own, to write this letter in not more than 120 words (7)

Or

5. (b) You are Sarika/Sagar working for an NGO in Raipur. You have observed that a local school does not have sufficient general reading and reference books for primary classes. Write a letter to a book distributor, in not more than 120 words, placing an order for books and also requesting early delivery. (7)

6. (a) To promote sustainable development, many young people are turning to eco-friendly practices and green entrepreneurship. As Naina/Nakul of Class X A, write an article in about 150 words, for

your school magazine discussing the importance of green initiatives as a step towards a sustainable future.

Use the cues given below along with your ideas and those you may have gathered from the unit: Environment, to write the article. (8)

Cues:

- Environment-friendly practices
- Conservation of natural resources
- Awareness and responsibility
- Green jobs and innovation
- Long-term benefits to society

OR

6 (b) With changing times, education is no longer limited to textbooks and classrooms. As Arya/Arjun of Class X A, write an article in about 150 words for your school magazine on the importance of experiential learning in modern education.

Use the cues given below along with your ideas and those you may have gathered from the unit: Education, to write the article. (8)

Cues:

- Learning by doing
- Real-life application of knowledge
- Development of critical thinking
- Enhances creativity and problem-solving
- Builds confidence and teamwork

SECTION C: GRAMMAR (10 marks)

7. Complete the tasks (A) to (C), as directed

A. Fill in the blanks (i) – (iii) with the appropriate option from those given in the brackets. (1x3)

Solar energy (i) _____ (must/should/could) become a viable source of power generation in our near future. (ii) _____ (Take/Taking/Taken) both environmental and economic cost, it works cheaper (iii) _____ (then/than/those) fossil fuels.

B. In the following paragraph, one word has been omitted in each line. In your answer sheet, remember to write the missing word along with the word that comes before and after it as shown below. The first one has been done as an example. (1X4)

S.NO.	TEXT	WORD BEFORE	OMISSIONS	WORD AFTER

	A particular mineral that will formed from a certain combination of elements.	will	be	formed
I	This depends the physical			
II	and chemical conditions under the material forms.			
III	This results a wide range of colours,			
IV	hardness, crystal forms, lustre density that a particular mineral possesses.			

C. Do as directed.

(i) Rearrange the following jumbled words/phrases in the given dialogue to create a meaningful sentence. (1)

A: Do you have an idea that India is the sunny belt of the world.

B: What do you mean by sunny belt?

energy/receives/solar/energy/country/the/far/than/more/total/annual/consumption/its

(ii) Report the dialogues to complete the paragraph that follows. (1+1)

Daughter: Read me a story, Mom.

Mom: Give me a few minutes to relax and unwind.

Daughter: I will go out to play.

The daughter requested her mother (i) _____. The mother replied and told her (ii) _____.

SECTION D – Literature

8. Read the following excerpts and answer the questions briefly, for any two excerpts, of the given three, (a), (b), (c). (4+4=8)

(a) You must practise even longer

Till your voice, like mine grows stronger.

In the second song last night

You got nervous in mid-flight.”

(The Frog and the Nightingale)

I. Identify the speaker and the person to whom these lines are addressed. 1

II. Analyze what the lines reveal about the speaker's intentions. 1

III. Interpret how the phrase “nervous in mid-flight” functions as a metaphor. 1

IV. Describe the effect of the speaker's constant criticism on the listener. 1

(b) "How amused everyone would be if they knew what really happened," said Louisa Mebbin a few days after the ball. "What do you mean?" asked Mrs. Packletide quickly. "How you shot the goat and frightened the tiger to death," said Miss Mebbin, with her disagreeably pleasant laugh.

(Mrs. Packletide's Tiger)

(i) What impact did Louisa Mebbin wish to create on Mrs. Packletide with her statement, "How amused everyone would be if they knew what really happened"? 1

(ii) Why did Mrs. Packletide ask Louisa Mebbin what she meant by her comment? 1

(iii) What feelings did the speed of Mrs. Packletide's response reflect? (any two) 1

(iv) Louisa Mebbin is to manipulation as Mrs. Packletide is to _____. 1

(a) honesty

(b) bravery

(c) vanity

(d) generosity

(c) Mrs. Slater: In the kitchen; but you want a new pair, those old ones are nearly worn out. You don't seem to realise what it's costing me to bear up like I am doing. My heart's fit to break when I see the little trifles that belonged to grandfather lying around, and think he'll never use them again. Here!

You'd better wear these slippers of grandfather's now. It's lucky he'd just got a new pair.

(The Dear Departed)

(i) Whose slippers were completely worn out? 1

(ii) From the above extract, what can be inferred about the speaker's feelings for the grandfather. 1

(iii) Mrs. Slater was very disturbed. Justify. 1

(iv) Find one word for the phrase 'a thing of little value or importance'. 1

9. Answer any five of the following six questions in 30 – 40 words each: 5×2=10

(i) Analyze how Patol Babu, Film Star uses gentle humor and emotions to show the importance of self-respect.

(ii) Why do you think Luigi did not approve of the young boys? (Two Gentlemen of Verona)

(iii) Lavinia felt that her husband's problems could be solved with the help of the Ouija Board. Do you agree? (The Shady Plot)

(iv) "The incidental expenses are so heavy." Why do you think Mrs. Packletide felt so after killing the tiger? (Mrs. Packletide's Tiger)

(v) What is the significance of the Albatross in the poem?

(vi) The poem 'Not Marble, Nor the Gilded Monuments' talks about the immortality of poetry.

Elaborate.

10. Answer any one of the following two questions in about 150 words: 8

(a) Animals too deserve respect and should not be harmed. Describe in about 150 words how the action of the ancient mariner in 'The Rime of the Ancient Mariner' highlights the regret of harming the animals.

OR

(b) Love and pain are two emotions which can transform people. Write an article in around 150 words about the values you have learnt from Ali (The Letter) and Nicola and Jacopo from 'Two Gentlemen of Verona'.

एस.एल.एस.डी.ए.वी पब्लिक विद्यालयः
संस्कृतम् (सम्प्रेषणात्मकम् कोड-सङ्ख्या-119)
आदर्श-प्रश्नपत्रम्
अर्धवार्षिकी परीक्षा (2025-26)
कक्षा - दशमी

समयः - होरात्रयम्

सम्पूर्णाङ्काः - 80

सामान्यनिर्देशाः -

- कृपया सम्पूक्तया परीक्षणं कुर्वन्तु यत् अस्मिन् प्रश्नपत्रे 10 पृष्ठानि मुद्रितानि सन्ति
- कृपया सम्पूक्तया परीक्षणं कुर्वन्तु यत् अस्मिन् प्रश्नपत्रे 18 प्रश्नाः सन्ति
- अस्मिन् प्रश्नपत्रे चत्वारः भागाः सन्ति-

'क' भागः	: अपठितावबोधनम्	10 अङ्काः
'ख' भागः	: रचनात्मककार्यम्	15 अङ्काः
'ग' भागः	: अनुप्रयुक्तव्याकरणम्	25 अङ्काः
'घ' भागः	: पठितावबोधनम्	30 अङ्काः
- प्रत्येकं भागम् अधिकृत उत्तराणि एकस्मिन् स्थाने क्रमेण लेखनीयानि
- उत्तरलेखनात् पूर्वं प्रश्नस्य क्रमाङ्कः अवश्यं लेखनीयः
- प्रश्नस्य क्रमाङ्कः प्रश्नपत्रानुसारम् एव लेखनीयः
- सर्वेषां प्रश्नानाम् उत्तराणि संस्कृतेन लेखनीयानि
- प्रश्नानां निर्देशाः ध्यानेन अवश्यं पठनीयाः
- प्रश्नपत्रपठनाय 15 निमेषाः प्रदेयाः

'क' भागः

अपठितावबोधनम् (10 अङ्काः)

1.	<p>अधोलिखितं गद्यांशं पठित्वा प्रदत्तप्रश्नानाम् उत्तराणि संस्कृतेन लिखत - श्रुतिपरम्परया समागताः प्राचीनतमाः ग्रन्थाः वेदाः सन्ति ते चत्वारः सन्ति ऋग्वेदः, यजुर्वेदः, सामवेदः अथर्ववेदश्च वेदाः मानवकल्पणाया पथप्रदर्शकाः ग्रन्थाः सन्ति वैदिककालीनं जीवनम् आदर्शभूतम् आसीत् तदा मानवाः प्रमादरहिताः उद्योगशीलाः आसन् वेदानां सन्देशः अस्ति यत् समाजे एकता भवेत्, जनेषु परस्परम् उच्चनीचभावः न भवेत् इति 'सङ्गच्छध्वं संवदध्वम्' इति सङ्गठनसूक्तम् एतदेव उपदिशति यत् जनानां मनसि समानभावनाः स्युः यदा सर्वे मिलित्वा कार्यं कुर्वन्ति, तदा समाजः उन्नतिशीलः भवति अस्माभिः वैदिकजीवनमूल्यानि एव आचरणीयानि येन समाजे कश्चन दीनः दुर्बलः च न भवेत् समाजघातकानि दुर्व्यसनानि सर्वथा त्साज्यानि भवेयुः वेदेषु दुर्व्यसनानां निन्दा उद्योगस्य च प्रशंसा कृता वर्तते उद्योगशीलाः जनाः एव स्युस्सु, समाजस्य राष्ट्रस्य च उद्धारकाः भवन्ति इति उपदिशन्ति वेदाः</p> <p>अ. एकपदेन उत्तरत - (केवलं प्रश्नद्वयम्)</p> <p>(i) वेदेषु कस्य प्रशंसा कृता?</p> <p>(ii) वैदिककालीनं जीवनं कीदृशम् आसीत्?</p> <p>(iii) 'उच्चनीचभावः न भवेत्' इति केषां सन्देशः?</p> <p>आ. पूर्णवाक्येन उत्तरत - (केवलं प्रश्नद्वयम्)</p> <p>(i) उद्योगशीलाः जनाः कीदृशाः भवन्ति?</p> <p>(ii) वेदाः के सन्ति?</p> <p>(iii) सङ्गठनसूक्तम् किम् उपदिशति?</p>	<p>10</p> <p>2×1=2</p> <p>2×2=4</p>
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	<p>इ. अस् अनुच्छेदस् कृते उपयुक्तं शीर्षकं संस्कृतेन लिखत ई. यथानिर्देशम् उत्तरत -</p> <p>(i) 'भवेयुः' इति क्रियापदस् कर्तृपदं किम्? (क) सर्वथा (ख) दुर्व्यसनानि (ग) त्साज्ज्ञानि (घ) समाजघातकानि</p> <p>(ii) 'उद्योगशीलाः' इति विशेषणपदस् विशेष्यपदं किम् प्रयुक्तम्? (क) जनाः (ख) उद्धारकाः (ग) राष्ट्रस् (घ) स्स्</p> <p>(iii) 'जीवनम्' इति कर्तृपदस् किं क्रियापदं प्रयुक्तम्? (क) वैदिककालीनम् (ख) आदर्शभूतम् (ग) आसीत् (घ) मिलित्वा</p>	<p>1 3×1=3</p>
<p style="text-align: center;">'ख' भागः रचनात्मकं कार्यम् 15 अङ्काः</p>		
<p>2.</p>	<p>भवान् पुनीतः, भवतः विद्यालये स्मृतन्त्रतादिवसस् समारोहः अभवत् समारोहं वर्णयन् स्मृतित्रिं अर्णवं प्रति लिखितं पत्रं मञ्जूषायां प्रदत्तैः पदैः पूरयित्वा पुनः लिखत - डी.ए.वी विद्यालयात्</p> <p>(i) _____ तिथिः _____</p> <p>प्रिय मित्र (ii) _____ अत्र सर्वगतं (iii) _____ वर्तते भवान् अपि तत्र कुशली इति अहं (iv) _____ अस्माकं विद्यालये गतसप्ताहे स्मृतन्त्रतादिवसस् समारोहस् (v) _____ जातम् तत्र अस्माकं विद्यालयस् प्रधानाचार्येण ध्वजारोहणं अपि कृतम् अस्मिन् अवसरे सर्वे गर्वान्विताः अभवन् मञ्चे एका (vi) _____ अपि प्रस्तुता अहं कार्यक्रमे एकं देशभक्तीतम् अगायम् अन्ते सर्वे (vii) _____ राष्ट्रगीतम् अगायन् तत्पश्चात् सर्वेभ्यः मिष्टान्नास् वितरणं च (viii) _____ (ix) _____ मम प्रणामाञ्जलिं निवेदयतु</p> <p>भवतः मित्रम् (x) _____</p> <p style="text-align: center;">मञ्जूषा</p> <p>मातापितृभ्याम्, अम्बालातः, मिलित्वा, अर्णव!, अभवत्, कुशलम्, नृत्तनाटिका, मन्त्रे, पुनीतः, आयोजनम्</p>	<p>10×½=5</p>

3. अ

प्रदत्तं चित्रं दृष्ट्वा मञ्जूषायां प्रदत्तशब्दानां सहायतया पञ्च वाक्यानि संस्कृतेन लिखत -

5×1=5



मञ्जूषा

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उदग्रविमानम्, सैनिकः, भोजनपुटकानि, जलौघपीडिताः, वृद्धस्म, लम्बितसोपानम्, आरोहति, पातयन्ति, सहायताम्, छदिषु, उत्थापयन्ति, नौकाम्, महिला, आरोहयति

अथवा

मञ्जूषाप्रदत्तशब्दानां साहाय्येन निम्नलिखितं विषयम् अधिकृत्य पञ्चभिः संस्कृतवाक्यैः एकम् अनुच्छेदं लिखत -

“परिश्रमस्म महत्त्वम्”

मञ्जूषा

मानवस्म, परिश्रमिणः, उन्नातिम्, स्मृजीवने, बन्धुः, प्रधानतमः, अस्ति, विपत्तिम्, दूरीकरोति, प्राप्नोति, विना, सुखम्, विद्याम्, छात्रः, सफलता, न, लभते

4. अ

रिक्तस्थानानि पूरयित्वा अधोलिखितसंवादं पुनः लिखत-

(शिक्षिका छात्रान् वेदानां विषये बोधयति, तदा तस्माः वार्तालापः छात्रैः सह भवति)

छात्राः - (मिलित्वा) महोदये ! अद्य वयं भवत्पाः वेदानां विषये ज्ञातुम् इच्छामः

शिक्षिका - (i) _____?

देविका - महोदये ! अहं जानामि-वेदाः चत्वारः सन्ति

शिक्षिका - (ii) _____?

देवराजः - तेषां वेदानां नामानि ऋग्वेदः, यजुर्वेदः, सामवेदः अथर्ववेदश्च सन्ति

शिक्षिका - (iii) _____?

मान्धाता - महोदये, अहं वदानि- ईश्वरः अग्नि-ऋषेः हृदये ऋग्वेदस्म ज्ञानम्, वायु-ऋषेः हृदये यजुर्वेदस्म ज्ञानम्

देवसेना - (मध्ये एव उत्थाय) सामवेदस्म ज्ञानम् आदित्य-ऋषेः हृदये अथर्ववेदस्म ज्ञानम् अङ्गिरा-ऋषेः हृदये प्रकटितम् अकरोत्

शिक्षिका - (iv) _____?

वेदिका - महोदये! मया श्रुतं यत् ऋग्वेदस्म विषयः ज्ञानम्, यजुर्वेदस्म विषयः कर्म, सामवेदस्म विषयः उपासना अथर्ववेदस्म च विषयः विज्ञानं च अस्ति

5×1=5

शिक्षिका - (v) _____ ?

जयश्री - महोदये! आर्ष ग्रन्थाः वेदाः, उपवेदाः, ब्राह्मणग्रन्थाः, आरण्यकाः उपनिषदश्च सन्ति

मञ्जूषा

- उत्तमम्, सम्प्रति यूयं वदत - वेदेषु केषां विषयः उल्लेखः अस्ति?
- शोभनम्, अधुना पृच्छामि यत् आर्ष ग्रन्थाः के सन्ति?
- देविके ! उत्तमम् तेषां वेदानां नामानि कानि सन्ति?
- शोभनम्, कृपया भवन्तः वदन्तु यत् वेदाः कति सन्ति?
- शोभनम् पुत्र ! अधुना वदत ईश्वरः कथं चतुर्णां वेदानां ज्ञानं प्रकटितम् अकरोत्

अथवा

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अधोलिखितां कथां मञ्जूषायां प्रदत्तपदानां सहायतया पूरयित्वा पुनः लिखत-
 एकस्मिन् (i) _____ एकः सर्पः वसति स्म (ii) _____ भयात् कोऽपि जनः
 उद्यानं गन्तुं न शक्नोति स्म एकदा एकः महात्मा तत्र आगत्य तं सर्पं (iii) _____
 त्वक्तुम् अवदत् तस्मै महात्मनः प्रभावेण हिंसकप्रवृत्तिं (iv) _____ सः सर्पः शान्त-
 स्मभावः अभवत् एतद् ज्ञात्वा सर्वे विस्मिताः अभवन् बालकाः प्रसूरेण शाखया च प्रहारं
 कृत्वा सर्पं (v) _____ अकुर्वन् सर्पः शान्तभावेन (vi) _____ किमपि न अकरोत्
 यदा सः महात्मा (vii) _____ तत्र आगच्छत् तदा सर्पस्म ईदृशीं (viii) _____ दृष्ट्वा
 दुःखी अभवत् सः सर्पात् सर्वं वृत्तान्तं ज्ञात्वा अवदत् - 'हिंसा सर्वथा (ix) _____ परं
 स्मरक्षार्थं कृतकार्यं न काचित् हानिः एतत् श्रुत्वा भयमुक्तः सर्पः स्मकोटरं (x) _____
 त्साज्या, उद्याने, हिंसाम्, सर्पस्म, अगच्छत्, परित्यज्य, आहतम्, दशाम्, पुनः, स्थितः

10×½=5

मञ्जूषा

'ग' भागः

अनुप्रयुक्तव्याकरणम् (25 अङ्काः)

5. अ

अधोलिखितवाक्येषु रेखाङ्कितपदेषु सन्धिं सन्धिच्छेदं वा कुरुत-

- राजर्षे! वरं वृणीष्व यत् + इच्छसि तदुच्यताम्
- अहं मनसः निग्रहं वायोः + इव दुष्करं मन्ये
- समयः व्यर्थः यापितः तर्हि का नु हानिस्ततः अधिका
- शुश्रूषा श्रवणं चैव धीगुणाः सन्ति

अथवा

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अधोलिखितवाक्येषु रेखाङ्कितपदेषु सन्धिं सन्धिच्छेदं वा कुरुत-

- एतेषां कलहो न वानराणां हिताय
- रमणीया हि सृष्टिरेषा
- भारत्याः कोषः सम + चयात् नश्वति
- राज्ञः स्मस्म गात्रेषु + अपि निरासक्तिविज्ञाय सकलं ब्रह्माण्डं व्याकुलं सञ्जातम्

4×1=4

6.

अधोलिखितवाक्येषु रेखाङ्कितपदानां समासं विग्रहं वा प्रदत्तविकल्पेभ्यः चित्वा लिखत -

- याचकः नेत्रं यथास्थानम् अस्थापयत्
 (क) स्थानस्य योग्यम् (ख) स्थानेन सह
 (ग) स्थानस्य समीपम् (घ) स्थानम् अनतिक्रम्य
- एतद् राज्ञः भवनं परित्यज्य वनं गच्छामः
 (क) राजाभवनम् (ख) राजभवनम्
 (ग) राजभवनानि (घ) राजभवनम् इति
- काकस्य चक्षुदेशे माणिक्यानि च रत्नानि च तेषां समाहारः अपि तं राजहंसं न कुर्वन्ति

4×1=4

	<p>(ग) माणिक्यरत्नम् (घ) माणिक्यरत्नानि</p> <p>(iv) असंशयं महाबाहो! मनो दुर्निग्रहं चलम्</p> <p>(क) न संशयम् (ख) संशयः न</p> <p>(ग) संशयं न (घ) संशयेन सह</p>	
7.	<p>अधोलिखितवाक्येषु रेखाङ्कितपदानां प्रकृति-प्रत्ययौ संयोज्य विभज्य वा उचितम् उत्तरं विकल्पेभ्यः चित्वा लिखत -</p> <p>(i) राजा अपृच्छत् - हा ! दग्धाः मे घोटकाः कथं <u>रक्ष + अनीय</u></p> <p>(क) रक्षणीयम् (ख) रक्षणीयः</p> <p>(ग) रक्षणीयाः (घ) रक्षणीया</p> <p>(ii) <u>भगवान्</u> बोधिसत्त्वः शिवीनां राजा अभवत्</p> <p>(क) भग् + मतुप् (ख) भग + मतुप्</p> <p>(ग) भगव + टाप् (घ) भग + तल्</p> <p>(iii) न तथा <u>शीतल+टाप्</u> छाया पुरुषं सर्वान् प्रह्लादयति</p> <p>(क) शीतला (ख) शीतलता</p> <p>(ग) शीतल (घ) शीतलाम्</p> <p>(iv) बकः मीनान् छलेन अधिगृह्य <u>क्रूरतया</u> भक्षयति</p> <p>(क) क्रूर + टाप् (ख) क्रूर+मतुप्</p> <p>(ग) क्रूरता+टाप् (घ) क्रूर + तल्</p>	4×1=4
8. अ	<p>वाच्यानुसारम् उचितपदैः रिक्तस्थानानि पूरयित्वा अधोलिखितं संवादं पुनः लिखत -</p> <p>वर्णिका - वल्लभे ! इदानीं त्वं किं करोषि?</p> <p>वल्लभा - वर्णिके ! अधुना तु (i) _____ नवीनं पुस्तकं मणिका पठ्यते</p> <p>वर्णिका - कीदृशः संयोगः अहम् अपि (ii) _____ एव पठितुम् उपविशामि कश्चिद् ध्वनिः आगच्छति? किं त्वं दूरदर्शनं पश्यसि?</p> <p>वल्लभा - आम् मया तु समाचाराः (iii) _____</p> <p style="text-align: center;">मञ्जूषा</p> <p>मणिकाम्, दृश्यन्ते, मया</p> <p style="text-align: center;">अथवा</p> <p>वाच्यानुसारम् उचितपदैः रिक्तस्थानानि पूरयित्वा वाक्यानि पुनः लिखत -</p> <p>(i) सेवकेन पत्राणि (आनीय)</p> <p>(ii) शिष्यः(गुरु) पूजयति</p> <p>(iii) अधुना तु(अस्मद्) गृहात् एव आगम्यते</p>	3×1=3
आ		
9.	<p>कालबोधकशब्दैः अधोलिखित-दिनचर्या पूरयत-</p> <p>(i) गुरुकुले छात्राः _____ वादने (4:30) उत्तिष्ठन्ति</p> <p>(ii) ते _____ वादने (4:45) योगाभ्यासं कुर्वन्ति</p> <p>(iii) तदनन्तरं सर्वे _____ वादने (5:15) सन्ध्यावन्दनं कुर्वन्ति</p>	3×1=3
10.	<p>मञ्जूषायां प्रदत्तैः उचितैः अव्ययपदैः अधोलिखितवाक्येषु रिक्तस्थानानि पूरयत -</p> <p>(i) अहम् एव _____ वृष्टेः अभिनन्दनं करोमि</p> <p>(ii) भारति! तव अयं कोशः कः _____ अपूर्वः विद्यते</p> <p>(iii) ज्वालमालाकुलाः अश्वाः प्राणत्राणाय _____ अधावन्</p> <p>(iv) चञ्चलं मनः _____ अभ्यासेन वैराग्येण च गृह्यते</p> <p style="text-align: center;">मञ्जूषा</p> <p>तु, इतस्ततः, अत्र, अपि</p>	4×1=4

11.	<p>अधोलिखितवाक्येषु रेखाङ्कित-अशुद्धपदाय उचितपदं चित्वा वाक्यानि पुनः लिखत -</p> <p>(i) अहं मनसः निग्रहं दुष्करं <u>मन्यते</u></p> <p>(क) मन्यसे (ख) मन्यन्ते (ग) मन्ये (घ) मन्यामहे</p> <p>(ii) यूथपः <u>सर्वाः</u> कपीन् आहूय रहसि अवदत् -</p> <p>(क) सर्वे (ख) सर्वेभ्यः (ग) सर्वान् (घ) सर्वाणि</p> <p>(iii) <u>अमात्यः</u> विषण्णाः भूत्वा अवदन्</p> <p>(क) अमात्यम् (ख) अमात्याः (ग) अमात्यानि (घ) अमात्यस्य</p>	3×1=3
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‘घ’ भागः

पठितावबोधनम् (30 अङ्काः)

12.	<p>अधोलिखितं गद्यांशं पठित्वा प्रदत्तप्रश्नानाम् उत्तराणि संस्कृतेन लिखत -</p> <p>अथ एकदा भगवान् बोधिसत्त्वः बहुजन्मार्जितपुण्यफलैः शिवीनां राजा अभवत् स बाल्यात् एव वृद्धोपसेवी, विनयशीलः शास्त्रपारङ्गतः च आसीत् जनकल्याणकर्मसु रतः असौ पुत्रवत् प्रजाः पालयति स्म कारुण्य-औदार्यादिसद्गुणोपेतः स नगरस्य समन्ततः धन-धान्यसमृद्धाः दानशालाः अकारयत् तत्र अर्थिनां समूहः अन्न-पान-वसन-रजत-सुवर्णादिकानि अभीष्टानि वस्त्रानि प्राप्य सन्तुष्टः अभवत् राज्ञः दानशीलताम् आकर्ष्य देशान्तरेभ्योऽपि जनाः तं देशम् आयान्ति स्म</p> <p>I. एकपदेन उत्तरत - (केवलं प्रश्नद्वयम्)</p> <p>(i) कस्य दानशीलताम् आकर्ष्य जनाः आयान्ति स्म?</p> <p>(ii) शिवीनां राजा कः आसीत्?</p> <p>(iii) राजा कीदृशः दानशालाः अकारयत्?</p> <p>II. पूर्णवाक्येन उत्तरत - (केवलं प्रश्नद्वयम्)</p> <p>(i) राजा कीदृशः आसीत्?</p> <p>(ii) राजा कथं प्रजाः पालयति स्म?</p> <p>(iii) अर्थिनां समूहः कीदृशानि वस्त्रानि प्राप्य सन्तुष्टः अभवत्?</p> <p>III. (अ) निर्देशानुसारम् उत्तरत -</p> <p>(i) ‘आसीत्’ क्रियापदस्य कर्तृपदं किं प्रयुक्तम्?</p> <p>(ii) ‘अर्थिनां समूहः अभीष्टानि वस्त्रानि प्राप्य सन्तुष्टः अभवत्’ इत्यत्र क्रियापदं किम्?</p> <p>अथवा</p> <p>(आ) निर्देशानुसारम् उत्तरत -</p> <p>(i) ‘बोधिसत्त्वः’ इति पदस्य किं विशेषणपदं प्रयुक्तम्?</p> <p>(ii) ‘आगच्छन्ति’ इत्यस्य किं पर्यायपदं प्रयुक्तम्?</p>	<p>5</p> <p>2×½=1</p> <p>2×1=2</p> <p>2×1=2</p>
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13.	<p>अधोलिखितपद्ये पठित्वा प्रदत्तप्रश्नानाम् उत्तराणि संस्कृतेन लिखत -</p> <p>शुश्रूषा श्रवणं चैव ग्रहणं धारणं तथा ऊहापोहार्थविज्ञानं तत्त्वज्ञानं च धीगुणाः आचार्यात्पादमादत्ते पादं शिष्यः स्ममेधया कालेन पादमादत्ते पादं सब्रह्मचारिभिः</p> <p>I. एकपदेन उत्तरत - (केवलं प्रश्नद्वयम्)</p> <p>(i) धियः प्रथमः गुणः कः?</p> <p>(ii) कः आचार्यात् पादम् आदत्ते?</p> <p>(iii) अत्र कति धीगुणाः उल्लिखिताः?</p> <p>II. पूर्णवाक्येन उत्तरत - (केवलं प्रश्नद्वयम्)</p> <p>(i) धारणं पूर्णं किम् आचार्यस्य भवति?</p>	<p>5</p> <p>2×½=1</p> <p>2×1=2</p>
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	<p>(ii) शिष्यः सर्वप्रथमं कस्मात् पादम् आदत्ते?</p> <p>(iii) शिष्यः द्वितीयं पादं कथं प्राप्नोति?</p> <p>III. (अ) निर्देशानुसारम् उत्तरत -</p> <p>(i) 'श्रोतुमिच्छा' इत्यस्मिन् पर्यायपदं अत्र किम्?</p> <p>(ii) "ऊहः" इत्यस्मिन् किं विपर्ययपदं प्रयुक्तम्?</p> <p>अथवा</p> <p>(आ) निर्देशानुसारम् उत्तरत -</p> <p>(i) 'शिष्यः' इति कर्तृपदस्य क्रियापदं लिखत</p> <p>(ii) 'गुरुः' इत्यस्मिन् विपर्ययपदं लिखत</p>	2×1=2
14.	<p>अधोलिखितं नाट्यांशं पठित्वा प्रदत्तप्रश्नानाम् उत्तराणि संस्कृतेन लिखत -</p> <p>मयूरः- (प्रविश्य सादृहासम्) सत्तुं सत्तुम् अहम् एव राष्ट्रपक्षी को न जानाति तव ध्यानावस्थायाम्? मौनं धृत्वा वराकान् मीनान् छलेन अधिगृह्य क्रूरतया भक्षयसि धिक् त्वाम्! अवमानितं खलु सर्वं पक्षिकुलं त्वया</p> <p>काकः- रे सर्पभक्षक! नर्तनात् अन्तः किम् अपरं जानासि?</p> <p>मयूरः- श्रूयतां श्रूयताम् मम नृत्यं तु प्रकृतेः आराधना पश्य! चारुवर्तुलचन्द्रिकाशोभितानां मम पिच्छानाम् अपूर्वं सौन्दर्यम् मम केकारवं श्रुत्वा कोकिलः अपि लज्जते मम शिरसि राजमुकुटमिव शिखां स्थापयता विधात्रा एव अहं पक्षिराजः कृतः</p> <p>कोकिलः- (प्रविश्य) रे मयूर! अलम् अतिविकथनेन मधुमासे आम्रवृक्षे स्थित्वा यदा अहं पञ्चमस्मरेण गायामि तदा श्रोतारः कथयन्ति -</p> <p>काकः कृष्णः पिकः कृष्णः को भेदः पिककाकयोः</p> <p>वसन्तसमये प्राप्ते काकः काकः पिकः पिकः</p> <p>I. एकपदेन उत्तरत - (केवलं प्रश्नद्वयम्)</p> <p>(i) कस्मिन् नृत्यं प्रकृतेः आराधना अस्ति?</p> <p>(ii) काकस्य वर्णः कीदृशः अस्ति?</p> <p>(iii) पिककाकयोः भेदः कदा ज्ञायते?</p> <p>II. पूर्णवाक्येन उत्तरत - (केवलं प्रश्नद्वयम्)</p> <p>(i) पञ्चमस्मरेण कः कदा च गायति?</p> <p>(ii) काकः मयूरं किं वदति?</p> <p>(iii) कस्मिन् केकारवम् श्रुत्वा कोकिलः अपि लज्जते?</p> <p>III. (अ) निर्देशानुसारम् उत्तरत-</p> <p>(i) 'परमेश्वरेण' इत्यस्मिन् किं पर्यायपदम् अत्र प्रयुक्तम्?</p> <p>(ii) 'जानाति' इति क्रियापदस्य कर्तृपदं किम् अत्र प्रयुक्तम्?</p> <p>अथवा</p> <p>(आ) निर्देशानुसारम् उत्तरत-</p> <p>(i) 'अपूर्वं सौन्दर्यम्' इत्यनयोः पदयोः विशेष्यपदं चित्वा लिखत</p> <p>(ii) 'आम्रवृक्षे स्थित्वा यदा अहं पञ्चमस्मरेण गायामि' इत्यत्र क्रियापदं किम्?</p>	<p>5</p> <p>2×½=1</p> <p>2×1=2</p> <p>2×1=2</p>
15.	<p>रेखाङ्कित-पदानि आधृत्य प्रश्ननिर्माणं कुरुत -</p> <p>(i) अभीष्टवस्तूनि प्राप्य याचकाः सन्मुष्टाः आसन्</p> <p>(ii) मनसः निग्रहं वायोरिव कठिनम् अस्ति</p> <p>(iii) काकः प्रभाते सुप्तान् प्रबोधयति</p> <p>(iv) अश्वः प्राणत्राणाय इतस्ततः अधावन्</p> <p>(v) सत्येन समं सुखं नास्ति</p>	5×1=5
16. अ	<p>मञ्जूषातः समुचितपदानि चित्वा अधोलिखित-श्लोकस्य अन्वयं पूरयित्वा पुनः लिखत -</p> <p>न तथा शीतलसलिलं न चन्दनरसो न शीतला छाया</p> <p>प्रह्लादयति च पुरुषं यथा मधुरभाषिणी वाणी</p> <p>अन्वयः यथा (i) _____ तथा शीतल-सलिलम्</p> <p>तथा (ii) _____</p>	4×½=2

आ	<p>न, (iii) _____ न, शीतला (iv) _____ च न (प्रह्लादयति) छाया, प्रह्लादयति, मधुरभाषिणी, चन्द्रनरसः</p> <p>मञ्जूषा - अथवा</p> <p>मञ्जूषायाः साहाय्येन श्लोकस्य भावार्थं रिक्तस्थानानि पूरयित्वा पुनः लिखत - अथ केन प्रयुक्तोऽयं पापं चरति पूरुषः अनिच्छन् अपि वाष्ण्येय ! बलादिव नियोजितः भावार्थः - अर्जुनः श्रीकृष्णं वदति - हे वाष्ण्येय ! केन प्रेरितः भूत्वा अयं (i) _____ न इच्छन् अपि बलपूर्वको (ii) _____ इव (iii) _____ संसारे (iv) _____ करोति</p> <p>मञ्जूषा नियुक्तः, अस्मिन् पापकर्म, आत्मा (पुरुषः)</p>	4×½=2
17.	<p>अधोलिखितवाक्येषु रेखाङ्कितपदानां प्रसङ्गानुकूलम् उचितार्थं चित्वा लिखत-</p> <p>(i) सकलं ब्रह्माण्डं व्याकुलं सञ्जातम् (क) सम्पूर्णम् (ख) परिपूर्णम् (ग) गभीरम् (घ) अधिकम्</p> <p>(ii) तस्मात् त्वम् <u>आदौ</u> इन्द्रियाणि नियम्य पाप्मानं प्रजहि (क) पश्चात् (ख) सर्वप्रथमम् (ग) सदा (घ) एकदा</p> <p>(iii) बकः मीनान् छलेन <u>अधिगृह्य</u> क्रूरतया भक्षयति (क) खादित्वा (ख) गृहीत्वा (ग) त्यक्त्वा (घ) दृष्ट्वा</p> <p>(iv) अन्स्मिन् <u>अहनि</u> महानसं प्रविष्टः मेषः सूपकारेण ताडितः (क) रात्रौ (ख) भूमौ (ग) मार्गे (घ) दिवसे</p>	4×1=4

18.	<p>अधोलिखित-कथां रिक्तस्थानानि पूरयित्वा पुनः लिखत - एकस्मिन् नगरे (i) _____ नामकः एकः भूपतिः अवसत् तस्मै पुत्राः वानरक्रीडारताः प्रतिदिनं वानरसमूहं विविधैः(ii) _____ पुष्टिं नयन्ति स्म तत्रैव राजगृहे (iii) _____ मेषयूथमपि आसीत् तत्र एकः मेषः जिह्वायाः लोलुपतावशात् अहर्निशं महानसं प्रविशत् तत्र यद् वस्सु पश्यति तदेव (iv) _____ ततः सूपकाराः यत्किञ्चित् काष्ठं मृण्मय-कांस्य-ताम्रपात्रं वा पश्यन्ति, तेन एव शीघ्रं तं ताडयन्ति स्म मेषस्य सूपकाराणां च (v) _____ दृष्ट्वा वानरयूथपतिः अचिन्तयत्- “मेषस्य सूपकाराणां च कलहः (vi) _____ हिताय नास्ति ” एवं चिन्तयित्वा सः सर्वान् वानरान् आहूय एकान्ते (vii) _____ - ‘भोः बान्धवाः! प्रतिदिनं मेषेण सह सूपकाराणाम् एषः कलहः नूनम् अस्माकं विनाशस्य कारणं भविष्यति अतः वयम् एतत् (viii) _____ परित्यज्य वनं गच्छामः तस्मै इदं कथनम् अश्रद्धेयं मत्वा रसनास्मादलुब्धाः वानराः गन्तुम् उद्यताः न अभवन् परन्तु सः तु वनम् अगच्छत् मञ्जूषा अवदत् कलहम्, राजभवनम्, भोज्यपदार्थैः, बालवाहनयोग्यम्, वानराणाम्, चन्द्रः, खादति स्म</p>	8×½=4
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सामान्य निर्देश:-

- इस प्रश्न पत्र में चार खंड हैं- खंड 'क, ख, ग और घ' और प्रश्नों की कुल संख्या 16 है।
- प्रश्नों के सभी उपभागों के उत्तर क्रमशः एक साथ लिखिए।
- उत्तरपुस्तिका में उत्तर के साथ वही क्रम संख्या लिखिए, जो प्रश्न पत्र में दी गई है।
- सभी खंड अनिवार्य हैं।

खंड-क (अपठित बोध)

1) निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़कर इसके आधार पर सर्वाधिक उपयुक्त उत्तर वाले विकल्प चुनकर लिखिए – (1+1+1+2+2=7)

आजकल महँगाई के दौर में व्यक्ति सीमित आय में महँगी-महँगी पुस्तकें नहीं खरीद सकता, ऐसी स्थिति में पुस्तकालय उसके लिए वरदान साबित होते हैं, जो विद्यार्थी आर्थिक दृष्टि से कमज़ोर होते हैं, वे भी पुस्तकालय से पुस्तकें लेकर अध्ययन करते हैं। इसी कारण विद्यालयों तथा महाविद्यालयों में पुस्तकालयों का प्रबंध अवश्य किया जाता है। आज शिक्षा के प्रचार-प्रसार के कारण इनका महत्त्व और भी बढ़ गया है। पुस्तकालयों में इतिहास, भूगोल, विज्ञान, सामान्य ज्ञान, साहित्य, अर्थशास्त्र, धर्म, राजनीति आदि तथा प्रसिद्ध लेखकों और कवियों द्वारा लिखित वे पुस्तकें भी आसानी से उपलब्ध हो जाती हैं, जो प्रायः सुगमता से नहीं मिल पाती हैं। पुस्तकें हमारे विचारों तथा चिंतन को सुदृढ़ बनाती हैं, हमारे चरित्र का विकास करती हैं तथा हमारे अंदर आत्मविश्वास की भावना उत्पन्न करती हैं। इस दृष्टि से पुस्तकें हमारी परम मित्र हैं। पुस्तकालय हमारे लिए तभी लाभकारी हो सकते हैं, जब हम वहाँ के नियमों का पालन करें। यह हमारा कर्तव्य है कि हम वहाँ शांति बनाए रखें तथा पुस्तकों को बिना क्षति पहुँचाए समय पर वापिस कर दें, ताकि अन्य लोगों को भी वह पुस्तक उपलब्ध हो सके।

बच्चों में बचपन से ही पुस्तकें पढ़ने की आदत डालनी चाहिए। हमारे देश में यह बड़ी दुःखद स्थिति है कि यहाँ बच्चों को पाठ्यपुस्तकों के अतिरिक्त अन्य पुस्तकें पढ़ने की आदत नहीं है। इस दिशा में अभिभावकों तथा शिक्षकों को ही प्रयास करके बच्चों में पुस्तकों के प्रति रुचि जगानी होगी।

(i) पुस्तकालय किनके लिए वरदान हैं?

(क) निर्धन छात्रों के लिए (ख) विश्वविद्यालय के छात्रों के लिए

(ग) विद्यालयों तथा महाविद्यालयों के छात्रों के लिए (घ) सभी लोगों के लिए

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

कथन (A) : शांति बनाए रखना व पुस्तकों को बिना क्षति पहुँचाए समय पर लौटाना पुस्तकालय के नियम हैं।

कारण (R) : आर्थिक दृष्टि से कमज़ोर विद्यार्थी पुस्तकालय से पुस्तकें लेकर अध्ययन करते हैं।

(क) कथन (A) सही है, कारण (R) गलत है।

(ख) कथन (A) तथा कारण (R) दोनों सही हैं।

(ग) कथन (A) सही है, और कारण (R) उसकी सही व्याख्या है।

(घ) कथन (A) गलत है, किन्तु कारण (R) सही है।

(iii) 'बच्चे-पुस्तकें पढ़ें' - इस सन्दर्भ हेतु किसे प्रयास करना चाहिए?

(क) मित्रों को (ख) शिक्षकों को (ग) माता-पिता को (घ) माता-पिता व शिक्षकों को

(iv) बच्चों में बचपन से ही कौन-सी आदत डालनी चाहिए?

(v) बच्चों में पुस्तकों के प्रति रुचि जाग्रत करने के लिए किसको प्रयास करना चाहिए?

2) नीचे दिए गए गद्यांश को ध्यानपूर्वक पढ़िए और उस पर आधारित प्रश्नों के उत्तर सही विकल्प चुनकर लिखिए – (1+1+1+2+2=7)

अच्छा नागरिक बनने के लिए भारत के प्राचीन विचारकों ने कुछ नियमों का प्रावधान किया है। इन नियमों में वाणी और व्यवहार की शुद्धि, कर्तव्य और अधिकार का समुचित निर्वाह, शुद्धतम पारस्परिक सद्भाव और सेवा की भावना आदि का नियम बहुत महत्त्वपूर्ण माने गए हैं। ये सभी नियम यदि एक व्यक्ति के चारित्रिक गुणों के रूप में भी अनिवार्य माने जाएँ तो उसका अपना जीवन सुखी और आनंदमय हो सकता

है। सभी गुणों का विकास एक बालक में यदि उसकी बाल्यावस्था से ही किया जाए तो वह अपने देश का श्रेष्ठ नागरिक बन सकता है। इन गुणों के कारण वह अपने परिवार, आस-पड़ोस, विद्यालय में अपने सहपाठियों एवं अध्यापकों के प्रति यथोचित व्यवहार कर सकेगा।

वाणी एवं व्यवहार की मधुरता सभी के लिए सुखदायक होती है, समाज में हार्दिक सद्भाव की वृद्धि करती है किन्तु अहंकारहीन व्यक्ति ही स्निग्ध वाणी और शिष्ट व्यवहार का प्रयोग कर सकता है। अहंकारी और दंभी व्यक्ति सदा अशिष्ट वाणी और व्यवहार का अभ्यासी होता है जिसका परिणाम यह होता है कि ऐसे आदमी के व्यवहार में शांति और सौहार्द का वातावरण नहीं बनता।

जिस प्रकार एक व्यक्ति समाज में रहकर अपने व्यवहार से कर्त्तव्य और अधिकार के प्रति सजग रहता है, उसी तरह देश के प्रति भी उसका व्यवहार कर्त्तव्य और अधिकार की भावना से भावित रहना चाहिए। इससे उसका कर्त्तव्य हो जाता है कि न तो वह स्वयं ऐसा कोई काम करे और न ही दूसरों को करने दे, जिसमें देश के सम्मान, सम्पत्ति और स्वाभिमान को ठेस लगे।

समाज एवं देश में शांति बनाए रखने के लिए धार्मिक सहिष्णुता भी बहुत आवश्यक है। यह वृत्ति तभी आ सकती है जब व्यक्ति सन्तुलित व्यक्तित्व का हो। वह आंतरिक व बाहरी संघर्ष से परे सामाजिकता की अनुभूति से परिपूर्ण व्यक्तित्व वाला होना चाहिए।

i) गद्यांश के संदर्भ में अच्छा नागरिक बनने के लिए नियमों का प्रावधान आवश्यक है, क्योंकि यह -

क) स्वतन्त्रता को बढ़ावा देता है जिससे वातावरण को शान्ति से परिपूर्ण करता है।

ख) व्यक्तित्व को निखारकर जीवन को आमोद-प्रमोद से परिपूर्ण करता है।

ग) व्यक्तित्व को निखारकर जीवन को सुख और मंगलकामना से परिपूर्ण करता है।

घ) व्यक्ति को अहंकार, स्निग्ध वाणी और शिष्ट व्यवहार से परिपूर्ण करता है।

ii) वाणी एवं व्यवहार की मधुरता सभी के लिए सुखदायक होती है। इस कथन के लिए उपयुक्त तर्क है-

क) देश के सम्मान, सम्पत्ति और स्वाभिमान को ठेस पहुँचती है।

ख) देश व समाज में शान्ति और सौहार्द का वातावरण नहीं बनता।

ग) कर्त्तव्य और अधिकार का समुचित निर्वाह बहुत आवश्यक है।

घ) समाज में हार्दिक सद्भाव की वृद्धि और सुख की प्रतिष्ठा होती है।

iii) निम्नलिखित कथनों पर विचार कीजिए -

i) अहंकारी व्यक्ति सदा अशिष्ट वाणी का अभ्यासी होता है।

ii) अहंकारी व्यक्ति सदा मधुर वाणी का अभ्यासी होता है।

iii) अहंकारी व्यक्ति सदा स्निग्ध वाणी का अभ्यासी होता है।

उपर्युक्त कथनों में से कौन-सा/कौन-से कथन सही है/हैं?

क) केवल i। ख) ii और iii। ग) i और ii।

घ) i और iii।

iv) सन्तुलित व्यक्तित्व से क्या तात्पर्य है?

v) समाज और देश में शांति बनाए रखने के लिए क्या आवश्यक है?

खंड- ख (व्यावहारिक व्याकरण)

3) निर्देशानुसार पदबंध पर आधारित पाँच प्रश्नों में से किन्हीं चार प्रश्नों के उत्तर दीजिए- (1X4=4)

i) "उसकी कल्पना में वह अद्भुत साहसी युवक था" इस वाक्य में संज्ञा पदबंध बताइए।

ii) "धीरे-धीरे सूरज डूबता जा रहा था।" वाक्य में रेखांकित पदबंध का परिचय दीजिए।

iii) "ततारा को देखते ही वह ज़ोर से फूट-फूटकर रोने लगी।" वाक्य में रेखांकित पदबंध बताइए।

iv) "अनुशासन भंग करने वालों में से कुछ दूसरी कक्षा के छात्र हैं।" वाक्य में सर्वनाम पदबंध कौन सा है?

v) "कमरे में आते ही भाई साहब का वह रौद्र रूप देखकर प्राण सूख जाते।" वाक्य में रेखांकित पदबंध बताइए।

4) निर्देशानुसार रचना के आधार पर वाक्य भेद पर आधारित पाँच प्रश्नों में से किन्हीं चार प्रश्नों के उत्तर दीजिए: (1X4=4)

i) "पढ़ाई और खेलकूद साथ-साथ चल सकते हैं" - वाक्य रचना की दृष्टि से यह कौन-सा वाक्य है?

ii) "उनकी नज़र मेरी ओर उठते ही मेरे प्राण निकले।" - इसका संयुक्त वाक्य क्या बनेगा?

iii) एक मिश्र वाक्य का उदाहरण दीजिए।

iv) "ततारा वामीरो की जो त्यागमयी मृत्यु थी वो इसी सुखद परिवर्तन के लिए थी" - रचना की दृष्टि से यह वाक्य कौन-सा है?

v) "मेरी माँ कहती थी कि सूरज ढले आँगन के पेड़ों से पत्ते तोड़ने पर पेड़ रोएँगे" - इसका सरल वाक्य बनाइए।

- 5) निर्देशानुसार समास पर आधारित पाँच प्रश्नों में से किन्हीं चार प्रश्नों के उत्तर दीजिए। (1X4=4)
- 'पुस्तकालय' समस्तपद का विग्रह कर समास का नाम लिखिए।
 - 'पीत है अंबर जिसका' समस्तपद लिखकर समास का भेद लिखिए।
 - किस समास में दूसरा पद प्रधान होता है और कारक चिह्न का प्रयोग होता है?
 - मैंने सूररचित सूरसागर खरीदी। रेखांकित समस्तपद के स्थान पर विग्रह लिखते हुए समास का नाम लिखिए।
 - 'नीलकंठ' समस्तपद का विग्रह कर समास का नाम लिखिए।

- 6) निर्देशानुसार मुहावरों पर आधारित पाँच प्रश्नों में से किन्हीं चार प्रश्नों के उत्तर दीजिए। (1X4=4)
- 'प्राण निकलना' मुहावरे का सही अर्थ क्या है?
 - 'हिम्मत टूटना' मुहावरे का सही अर्थ क्या है?
 - "नीरज चोपड़ा द्वारा ओलंपिक प्रतियोगिता में पदक जीतने पर देश की।" – रिक्त स्थान की पूर्ति उचित मुहावरे से कीजिए।
 - "आई०ए०एस० की परीक्षा पास करने के लिए पढ़ती है, तब कहीं जाकर सफलता मिलती है।" – रिक्त स्थान की पूर्ति उचित मुहावरे से कीजिए।
 - 'अत्यधिक क्रोधित होना' – इस अर्थ के लिए सही मुहावरा लिखिए।

खंड - ग (पाठ्यपुस्तक एवं पूरक पाठ्यपुस्तक)

- 7) निम्नलिखित पठित पद्यांश पर आधारित प्रश्नों के सही विकल्प चुनिए – (1x5 =5)
- गिरि का गौरव गाकर झर-झर
मद में नस-नस उत्तेजित कर
मोती की लड़ियों से सुंदर
झरते हैं झाग भरे निझर !
गिरि का गौरव गाकर झर-झर
मद में नस-नस उत्तेजित कर
मोती की लड़ियों से सुंदर
झरते हैं झाग भरे निझर !
गिरिवर के उर से उठ-उठ कर उच्चाकांक्षाओं से तरुवर
हैं झाँक रहे नीरव नभ पर
अनिमेष, अटल, कुछ चिंतापर।
- गिरि के गौरव का गान कर रहे हैं -
क) पहाड़ ख) झरना ग) पर्वत घ) प्रदेश
 - झरने के स्वरो से नस-नस में क्या भर जाती है?
क) प्रतिवेदना ख) उच्चाकांक्षा ग) उत्तेजना घ) आत्मगौरव
 - झरने के पानी की बूँदें कैसी प्रतीत होती है?
क) फूलों की लड़ियों-सी ख) मोती की लड़ियों-सी ग) माला की लड़ियों-सी घ) इनमें से कोई नहीं
 - पर्वत की छाती पर उगे ऊँचे वृक्षों की तुलना किससे की गई है?
क) नदी के बहते जल से ख) झरने के गिरते पानी से ग) पहाड़ से नीचे बहते पानी से घ) मन में उठने वाली ऊँची आकांक्षाओं से
 - उपर्युक्त काव्यांश से संबंधित कौन-सा कथन असत्य है?
क) झरने पर्वत का यशोगान कर रहे हैं।
ख) झरनों का स्वर आलस्य पैदा कर रहा है।
ग) मोती की लड़ियाँ लटक रही हैं।
घ) वृक्ष किसी गहरी चिंता में डूबे हुए हैं।

- 8) निम्नलिखित प्रश्नों में से किन्हीं तीन प्रश्नों के उत्तर लगभग 25 से 30 शब्दों में लिखिए (2x3=6)
- 'हरि आप हरो'----- पद में मीरा ने 'द्रौपदी, प्रहलाद और कुंजर' का उदाहरण देकर क्या दर्शाना चाहा है? हरि से अपनी पीड़ा हरने की विनती किस प्रकार की है?
 - वर्षा ऋतु में पर्वतीय प्रदेश का प्राकृतिक दृश्य अत्यंत मनोरम हो जाता है। इस कथन के आलोक में 'पर्वत प्रदेश में पावस' कविता का प्रतिपाद्य अपने शब्दों में लिखिए।
 - कवि मैथलीशरण गुप्त ने कहा, 'अतर्क एक पंथ के सतर्क पंथ हो सभी।' इस पंक्ति की सार्थकता वर्तमान समय में इसका औचित्य स्थापित कीजिए।

iv) अपने स्वभाव को निर्मल रखने के लिए कबीर ने क्या उपाय सुझाया है?

9) निम्नलिखित पठित गद्यांश पर आधारित प्रश्नों के सही उत्तर वाले विकल्प चुनिए— (1×5=5)
ततार्रा का मन इन कार्यक्रमों में तनिक न था। उसकी व्याकुल आँखें वामीरो को ढूँढने में व्यस्त थीं। नारियल के झुंड के एक पेड़ के पीछे से उसे जैसे कोई झाँकता दिखा। उसने थोड़ा और करीब जाकर पहचानने की चेष्टा की। वह वामीरो थी जो भयवश सामने आने में झिझक रही थी। उसकी आँखें तरल थीं। होंठ काँप रहे थे। ततार्रा को देखते ही वह फूटकर रोने लगी। ततार्रा विह्वल हुआ। उससे कुछ बोलते ही नहीं बन रहा था। रोने की आवाज़ लगातार ऊँची होती जा रही थी। ततार्रा किर्कतव्यविमूढ़ था। वामीरो के रुदन स्वरों को सुनकर उसकी माँ वहाँ पहुँची और दोनों को देखकर आग बबूला हो उठी। सारे गाँववालों की उपस्थिति में यह दृश्य उसे अपमानजनक लगा। इस बीच गाँव के कुछ लोग भी वहीं पहुँच गए। वामीरो की माँ क्रोध में उफन उठी। उसने ततार्रा को तरह-तरह से अपमानित किया। गाँव के लोग भी ततार्रा के विरोध में आवाजें उठाने लगे। यह ततार्रा के लिए असहनीय था। वामीरो अब भी रोए जा रही थी। ततार्रा भी गुस्से से भर उठा। उसे जहाँ विवाह की निषेध परंपरा पर क्षोभ था वहीं अपनी असहायता पर खीझ। वामीरो का दुख उसे और गहरा कर रहा था। उसे मालूम न था कि क्या कदम उठाना चाहिए? अनायास उसका हाथ तलवार की मूठ पर जा टिका। क्रोध में उसने तलवार निकाली और कुछ विचार करता रहा। क्रोध लगातार अग्नि की तरह बढ़ रहा था।

i) वामीरो नारियल के पेड़ों के झुंड में क्यों छिपी हुई थी?

क) समाज के डर से ख) समाज की निंदा से ग) गाँव के मुखिया से घ) इनमें से कोई नहीं

ii) ततार्रा ने स्वयं को अपमानित महसूस किया क्योंकि -

I) वामीरो की माँ ने अपमानित किया

II) गाँव वालों ने भी अपमानित किया

III) वामीरो ने भी उसे अपमानित किया

IV) गाँव के प्रधान ने उसे अपमानित किया

क) केवल (II) ख) (I) और (II) ग) (I), (II), (III) घ) (II), (III), (IV)

iii) गाँव वालों और वामीरो की माँ ने ततार्रा के साथ व्यवहार किया -

क) स्नेह पूर्वक ख) प्रेम पूर्वक ग) आपत्ति पूर्वक घ) अपमानजनक

iv) वामीरो कहाँ छिपी थी?

क) पहाड़ के पीछे ख) चट्टान के पीछे ग) नारियल के पेड़ के पीछे घ) झोंपड़ी के पीछे

v) कथन (A) वामीरो ततार्रा को देखकर बहुत खुश हुई।

कारण (R) माँ ने ततार्रा को बहुत स्नेह किया।

क) कथन (A) गलत है, किंतु कारण (R) सही है।

ख) कथन (A) और कारण (R) दोनों ही गलत हैं।

ग) कथन (A) सही है और कारण (R) कथन (A) की सही व्याख्या करता है।

घ) कथन (A) सही है, किंतु कारण (R) कथन (A) की सही व्याख्या नहीं करता है।

10) निम्नलिखित प्रश्नों में से किन्हीं तीन प्रश्नों के उत्तर लगभग 25 से 30 शब्दों में लिखिए। (2×3=6)

i) 'डायरी का एक पन्ना' पाठ के आधार पर बताइए कि पुलिस ने कैसा दमनचक्र चलाया और क्यों? लोगों ने किस प्रकार उसका मुँहतोड़ उत्तर दिया?

ii) ततार्रा-वामीरो कथा के माध्यम से समाज की कौन-सी समस्या की ओर ध्यान आकर्षित किया गया है?

iii) बड़े भाई साहब ने जिंदगी के अनुभव और किताबी ज्ञान में से किसे महत्वपूर्ण कहा है और क्यों?

iv) बड़े भाई साहब के बार-बार फेल होने के कारणों की समीक्षा कीजिए।

11) निम्नलिखित प्रश्नों में से किन्हीं 2 प्रश्नों के उत्तर लगभग 50 से 60 शब्दों में लिखिए। (2×2=4)

i) 'हरिहर काका' के साथ उनके भाइयों तथा ठाकुरबारी के महंत ने कैसा व्यवहार किया? क्या आप इसे उचित मानते हैं? कारण सहित स्पष्ट कीजिए।

ii) परिवार की स्वार्थपरकता तथा हरिहर काका की उपेक्षा एवं उचित देखरेख न किए जाने के वर्णन को पढ़कर आपके मन पर क्या और कैसा प्रभाव पड़ता है? अपने घर में आप ऐसी स्थिति को कैसे संभालते।

iii) 'हरिहर काका' कहानी वृद्धों के प्रति संवेदनहीन होते समाज की कथा है। इस कथन को कहानी के आधार पर उदाहरण सहित सिद्ध कीजिए।

खंड-घ (रचनात्मक लेखन)

12) निम्नलिखित में से किसी एक विषय पर संकेत-बिंदुओं के आधार पर लगभग 100 शब्दों में अनुच्छेद लिखिए- (5)

i) आज की आवश्यकता - संयुक्त परिवार

- एकल परिवार का बढ़ता चलन
- एकल परिवार और वर्तमान समाज
- संयुक्त परिवार की आवश्यकता
- बुजुर्गों की देखभाल
- एकाकीपन को जगह नहीं

ii) जीवन में सरसता लाते त्योहार

- त्योहारों का देश भारत
- नीरसता भगाते त्योहार
- त्योहारों के लाभ
- त्योहारों पर महँगाई का असर

iii) सादा जीवन उच्च विचार

- भारतीय संस्कृति और सादा जीवन उच्च विचार
- महत्ता
- महापुरुषों ने अपना सादा जीवन उच्च विचार
- वर्तमान स्थिति

13) पुस्तकालय में पत्रिकाओं की कमी की ओर ध्यान आकर्षित करते हुए अपने विद्यालय की प्रधानाचार्या को प्रार्थना-पत्र लिखिए। आप दसवीं 'सी' में पढ़ने वाले छात्र विमल गुप्ता हो। (5)

अथवा

दिल्ली परिवहन निगम के प्रबंधक को अपने क्षेत्र तक बस चलाने के लिए एक पत्र लिखिए।

14) निम्नलिखित में से किसी एक विषय पर लगभग 60 शब्दों में सूचना लिखिए- (4)

विद्यालय के सांस्कृतिक कार्यक्रम के सचिव की ओर से बाल कलाकारों द्वारा नाट्य प्रस्तुति की सूचना तैयार कीजिए।

अथवा

आप अपने विद्यालय की हिंदी साहित्य समिति के सचिव हैं। आपके विद्यालय में आयोजित होने वाली दोहा गायन प्रतियोगिता के लिए विद्यार्थियों को आमंत्रित करते हुए सूचना लिखें।

15) निम्नलिखित में से किसी एक विषय पर लगभग 40 शब्दों में विज्ञापन तैयार कीजिए- (3)

आपके शहर के खादी वस्त्र भंडार ने गाँधी जयंती के अवसर पर खादी वस्त्रों की लोकप्रियता बढ़ाने हेतु खादी वस्त्रों पर 10 प्रतिशत से 25 प्रतिशत तक छूट देने का निश्चय किया है। स्वयं को उस खादी वस्त्र भंडार का प्रबंधक मानकर एक विज्ञापन तैयार कीजिए।

अथवा

विद्यालय के 'नाट्य समूह' द्वारा प्रस्तुत शहीद भगतसिंह नाटक के बारे में नाम, पात्र, दिन, समय, टिकट आदि की सूचना देते हुए एक विज्ञापन तैयार कीजिए।

16) 'मेरे बचपन की साहसिक घटना' - विषय पर एक लघुकथा लगभग 100 शब्दों में लिखिए। (5)

अथवा

आपके विद्यालय में वार्षिक खेल-दिवस मनाया गया। इसकी जानकारी देते हुए स्कूल प्रबंधन समिति के अध्यक्ष को ई-मेल लिखिए।

Les Instructions:

- Ce papier est divisé en 4 parties
Section (A) Comprehension Ecrite (10)
Section (B) Expression Ecrite (20)
Section (C) Grammaire (30)
Section- (D) Culture et Civilisation (20)
- Répondez en séquence

SECTION-A (COMPREHENSION ECRITE)

1. Lisez le texte et répondez aux questions :

Un repas équilibre



On s'accorde à dire qu'une assiette équilibrée comporte un quart de protéines, un quart de glucides et une moitié de légumes

Un conseil nutritionnel très connu globalement consiste à 'manger équilibré'. Cela semble relativement simple dans le monde moderne où des termes tels que 'glucides', 'fibres', 'fructose' et 'acides gras oméga-3' forment les conversations quotidiennes. Au cours des dernières décennies (decades), la recherche scientifique a rapidement fait progresser la compréhension de la nutrition humaine. Comment être sûr d'absorber suffisamment ces nutriments qui sont innombrables en apparence ?

La bonne nouvelle est qu'en réalité, c'est assez facile. Un repas équilibré est le reflet d'un régime(diet) qui couvre les trois principaux groupes d'aliments. Comme l'assiette dans l'image montre, les proportions sont : un quart de protéines, un quart de glucides et une moitié de légumes.

En bref, la plupart des aliments répondent à l'un de ces trois besoins (needs): énergie, constitution et entretien des tissus, ou régulation du métabolisme.

Six types de nutriments sont essentiels à la survie : les protéines, les glucides, les lipides (graisses), les vitamines, les sels minéraux et l'eau. Les protéines, les glucides et les graisses sont des macronutriments. 'Macro-' signifie que notre corps a besoin de ces nutriments en grandes

quantités. L'eau est aussi un autre macronutriment essentiel. Les vitamines et sels minéraux sont considérés comme des micronutriments car notre corps n'en a besoin qu'en petites quantités.

Les aliments riches en glucides incluent le riz, les pâtes, le pain, l'orge, l'avoine et les autres céréales. Ils apportent de l'énergie au cerveau, aux muscles et aux autres organes. Les glucides complexes issus de céréales sont à privilégier car ils fournissent également des fibres et des vitamines B. Les fibres sont essentielles au bon fonctionnement des intestins, tandis que la vitamine B permet au corps de dépenser l'énergie apportée par les glucides. Plus nous sommes actifs, plus nous avons besoin de glucides.

Les aliments riches en protéines incluent les œufs, les fruits de mer, la volaille, la viande rouge, les légumineuses, le lait, les yaourts, le fromage le tofu, les noix. Ce groupe est vital pour le maintien du tissu musculaire, pour les globules rouges et la production d'hormones et d'enzymes. Nous avons davantage besoin de ce type d'aliments lors de maladies ou des périodes de croissance (c'est-à-dire l'enfance et l'adolescence).

Les légumes (et autres végétaux tels que les légumineuses, les fruits, les noix, les graines et les herbes) sont riches en vitamines, en sels minéraux et en fibres. Les vitamines et minéraux facilitent le fonctionnement du métabolisme et des organes, indispensable pour rester en bonne santé.

Manger équilibré n'est pas compliqué. En fait, cela ne devrait pas l'être ! Avec le principe du ¼+ ¼ + ½, tout repas peut contribuer à votre bien-être.

- A. Répondez : (2 au choix)****2x2=4**
- a. Selon l'image, Quelle proportion doit comporter des nutriments d'une assiette équilibre ?

b. Quels sont les trois besoins principes de notre corps ?

c. Pourquoi les vitamines et sels minéraux sont considérés comme des micronutriments ?

- B. Dites vrai/ faux :****3**
- a. L'eau est l'un des macronutriments essentiels pour notre survie.

b. Les fibres aident à la production d'hormones.

c. Selon l'image, il faut manger les produits de lait le plus de tous.

d. Plus nous sommes actifs, plus nous avons besoins de glucides.

e. .Il faut manger plus des aliments riches en Protéines pendant l'enfance et l'adolescence.

f. Les céréales sont une source riche des vitamines D.

- C. Trouvez dans le texte :(3 aux choix)****3**
- a. la forme nominale de < produire> : _____

b. Le synonyme de < vitement> : _____

c. Le contraire de < pauvre> : _____

d. Forme verbale de < la contribution> : _____

e. Une conjonction : _____

SECTION-B (EXPRESSION ECRITE)

- 2. Ecrivez l'une de ces lettres en 80 mots : (1 au choix)****(1x10=10)**

- a. Ton ami est au chômage depuis un an. Encourage et conseille lui pour trouver un bon emploi dans ta lettre

b. Ecrivez une lettre à votre correspondant (e) indien (ne) en lui parlant du système éducatif en France.

c. A ton cousin en lui décrivant ce que tu fais pour te détendre.

3. Faites quelques deux de ces questions A/B/C (5x2=10)

A. Ton ami(e)t'invite pour visiter un grand musée d'art. Mais tu ne peux pas y assister. Rédige un refus en 30-40 mots.

B. Rangez le dialogue et recrivez –le!

Laurent : D'accord. Etpuis je dois aller au Consulat avec mes papiers?
Le responsable: Bonjour! D'abord, vous devez remplir un formulaire.
Laurent : Tres bien ! Je vous remercie!
Laurent : Bonjour monsieur! Je voudrais avoir un visa pour aller en France.
Le responsable : Oui, il faut déposer votre dossier complet au responsable de la section.

C. Complétez l’histoire avec des mots donnés: (prison/ plus/ début /monarchie /prise/ fête/ finalement/ naissance/ pouvoir/ ancien)

Le Quatorze juillet, la (1) _____ nationale française, commémore la (2) _____ de la Bastille, qui a eu lieu le 14 juillet 1789 et a marqué le (3) _____ de la Révolution française. La Bastille était une (4)_____ et un symbole du pouvoir absolu de l’(5)_____ Régime de Louis XVI. Sa prise par le peuple a montré que le(6) _____ du roi n’était (7)_____ absolu. Elle a marqué la fin de la (8)_____ et la(9) _____ de la Nation Souveraine et,(10) _____, de la première République, en 1792.

SECTION – C (GRAMMAIRE)

4. Conjuguez les verbes au temps convenable: 5

- a. Le professeur dit aux étudiants, << Ne _____ pas absente !>>. (Être)
- b. Hier, quand elle a quitté la maison, nous _____. (se coucher)
- c. Aussitôt qu'ils _____ du marché , ils se promèneront. (rentrer)
- d. Il faut _____ toutes les questions. (répondre)
- e. Quand j'aurai pris mon repas, je _____ (se reposer)

5. Reliez les phrases avec les pronoms relatifs simple/ composés : 5

- a. Ce lac est très beau. Nous nous promenons au bord de ce lac.
- b. Le bourgogne est un vin. La couleur de ce vin est rouge.
- c. Cet arbre est plein des feuilles vertes. On va rester sous cet arbre.
- d. Voici mes amis. J'ai voyagé avec eux, l'été dernier.
- e. Voilà les étrangers. Nous préférons parler à ces étrangers.

6. Répondez au négatif: 5

- a. Bois-tu du jus de fruit ou du café?
- b. Y a-t-il quelque chose à faire?
- c. Avez- vous rencontré beaucoup de monde là ?
- d. Est-ce qu'on a déjà réservé la place ?
- e. Écris- tu souvent des poèmes ?

7. Trouvez les questions pour les mots soulignés : 5

- a. Si, mon père a acheté un bel appartement.
- b. Ces fleurs sont magnifiques.

- c. J'ai mangé de la glace à la vanille.
- e. On est allé à l'aéroport en taxi.
- e. Il faisait beau, hier.

8. Mettez des adjectifs / pronoms démonstratifs :
5

- a. _____ ordinateur est moins cher que _____.
- b. Répondez à _____ questions de science. _____ de mathématiques sont difficiles.
- c. Il y a deux parfums français. Tu préfères _____ ou _____?
- d. J'ai vu cette pièce Comédienne. Mais _____ de Molière est très intéressante.
- e. _____ chanson est aussi mélodieuse que _____.

9. Remplacez les mots soulignes par les pronoms personnels :
(COD, COI, TONIQUE, Y, EN) 5

- a. Le garçon nous a apporté de la soupe.
- b. Ne réponds pas à cet homme!
- c. Ils sont sortis du restaurant à 5h.
- d. Va-t-il appeler ses copains ?
- e. Pense à tes projets d'avenir !

SECTION- D (CULTURE ET CIVILISATION)

10. Répondez aux questions : (5 AU CHOIX) 5x2=10

- a. Quel est le rôle des médias ?
- b. Que faut –il pour avoir une carte de lecteur ?
- c. Qu’est-ce que c’est < Pañchatantra> ?
- d. Que savez-vous du musée du Louvre ?
- e. Qui est Antoine de Saint Exupéry ? Nommez un de ses romans.
- f. Qu’est-ce que c’est le baccalauréat ? A quoi sert-il?
- g. Qu'est-ce qu'un mensuel?Nommez deux rubriques d'un journal français.

XI. Dites vrai ou faux : 5

- a. On peut faire de petits boulots pour payer ses frais des études en France.
- b. L’Arte est une émission française.
- c. Le Français dans le Monde est une revue française.
- d. Jules Verne a écrit < Les Fables>
- e. On fait des études des Lettres et des Science humaines à IUT.

XII. Reliez les colonnes (A) et (B) 5

- | A | B |
|---------------|--------------------------|
| a. écrire | i. les dossiers |
| b. chercher | ii. de l’intérim |
| c. faire | iii. à la bibliothèque |
| d. ranger | iv. un emploi à mi-temps |
| e. s’inscrire | v. un concours |

SLS DAV PUBLIC SCHOOL
SAMPLE PAPER TERM 1
SESSION 2025-26
Class X
MATHEMATICS

TIME: 3 hours

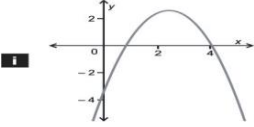
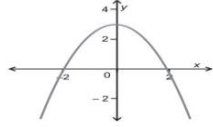
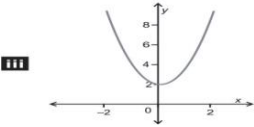
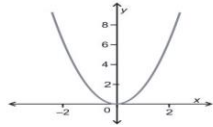
MAX.MARKS: 80

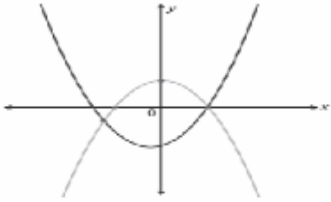
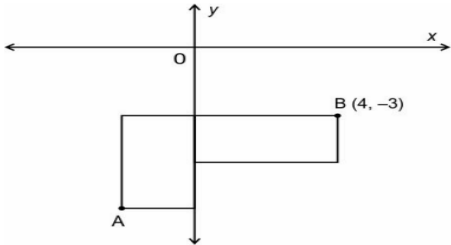
General Instructions:

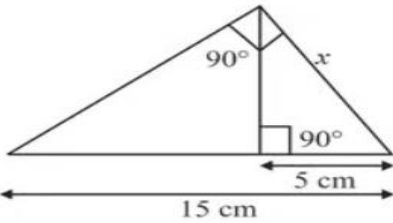
Read the following instructions carefully and follow them:

1. This question paper contains 38 questions.
2. This Question Paper is divided into 5 Sections A, B,C,D and E.
3. In Section A, Questions no. 1-18 are multiple choice questions (MCQs) and questions no. 19 and 20 are Assertion- Reason based questions of 1 mark each.
4. In Section B, Questions no. 21-25 are very short answer (VSA) type questions, carrying 02 marks each.
5. In Section C, Questions no. 26-31 are short answer (SA) type questions, carrying 03 marks each.
6. In Section D, Questions no. 32-35 are long answer (LA) type questions, carrying 05 marks each.
7. In Section E, Questions no. 36-38 are case study based questions carrying 4 marks each with sub parts of the values of 1, 1 and 2 marks each respectively.
8. All Questions are compulsory. However, an internal choice in 2 Qs of 5 marks, 2 Questions of 3 marks and 2 Questions of 2 marks has been provided. An internal choice has been provided in the 2 marks questions of Section E.
9. Draw neat and clean figures wherever required.
10. Take $\pi = 22/7$ wherever required if not stated.
11. Use of calculators is not allowed.

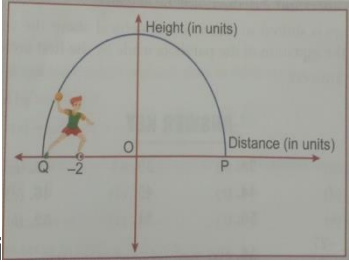
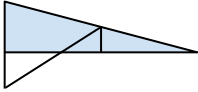
	Section A - consists of 20 questions of 1 mark each.	
1	<p>If the prime factorisation of a natural number k is $(3 \times 5 \times p)$ where $p \neq 2$, then the prime factorisation of $10k^2$ is</p> <p>(a) $2 \times 3^2 \times 5^3 \times p^2$ (b) $2 \times 3^2 \times 5^3 \times p$ (c) $2 \times 3^2 \times 5^2 \times p^2$ (d) $2 \times 3 \times 5^3 \times p^2$</p>	1
2	<p>The point at which the graph of the polynomial $p(x) = -x + 6x^2 - 1$ intersects the negative x-axis is</p> <p>(a) only $-1/3$ (b) only $-1/2$ (c) both $-1/3$ and $-1/2$ (d) it never intersects negative x-axis</p>	1

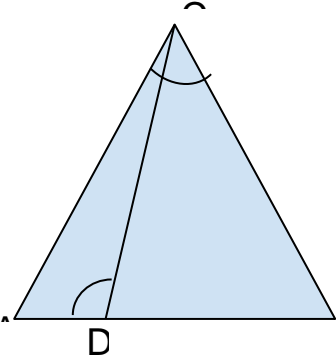
3	<p>The equations of the lines l_1, l_2, and l_3 are given by $5x + 3y = 2p$, $35x + 21y = pq$, and $100x + 4qy = 240$, respectively, where p and q are real numbers. The values of p and q for which the line l_3 coincide with l_1 are</p> <p>(a) $p = 6$ and $q = 15$. (b) $p = 6$ and $q = 6$ (c) $p = 15$ and $q = 6$. (d) $p = -6$ and $q = 15$.</p>	1
4	<p>If $m^n = 32$, where m and n are positive integers, then the value of n^{mn} is:</p> <p>(a) 32 (b) 25 (c) 5^{10} (d) 5^{25}</p>	1
5	<p>The following are the graphs of quadratic equations. The graph at which roots are not to be real:</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">  <p>I</p> </div> <div style="text-align: center;">  <p>II</p> </div> <div style="text-align: center;">  <p>III</p> </div> <div style="text-align: center;">  <p>IV</p> </div> </div> <p>(a) iii (b) iv (c) ii (d) i</p>	1
6	<p>If zeroes of the quadratic polynomial $ax^2 + bx + c$ are reciprocal of each other, then:</p> <p>(a) $a = c$ (b) $a = b$ (c) $b = c$ (d) $a + c = 0$</p>	1
7	<p>The value of k for which $x = -2$ is a root of the equation $Kx^2 + x - 6 = 0$:</p> <p>(a) $-3/2$ (b) -1 (c) -2 (d) 2</p>	1
8	<p>P is a point on the x-axis at a distance of 3 units from the y-axis to its left. The coordinates of P are:</p> <p>(a) (3, 0) (b) (0, 3) (c) $(-3, 0)$ (d) $(0, -3)$</p>	1
9	<p>Two polynomials are shown in the graph below.</p>	1

	 <p>Find the number of zeroes that are common to both polynomials (a)0 (b) 1 (c) 2 (d)3</p>	
10	<p>Shown below are 2 identical rectangles such that their breadth is half their length.</p>  <p>What are the coordinates of point A? (a) (4, -5) (b) (-4, -6) (c) (-2, -7) (d)(-2, -9)</p>	1
11	<p>If the lines given by $3x+2ky=2$ and $2x+5y+1 = 0$ are parallel, then the value of k is (a) -5/4 (b) 2/5 (c) 15/4 (d) 3/2</p>	1
12	<p>If the point P(6, 3) divides the line joining A(4, 2) and B(8, 4), then: (a) $AP=\frac{1}{3} AB$ (b) $AP =PB$ (c) $PB = \frac{1}{3} AB$ (d) $AP = \frac{1}{2} AB$</p>	1
13	<p>If four angles of a cyclic quadrilateral are $(2x-1)^\circ$, $(y+5)^\circ$, $(2y+15)^\circ$ and $(4x-7)^\circ$ then (a) $x =33, y = 50$ (b) $x = 30, y = 53$ (c) $x =40, y = 43$ (d) $x = 50, y = 33$</p>	1
14	<p>Consider the experiment of rolling a die. Let A represent 'getting a prime number'and B represent 'getting an odd number'.Numbers that can appear in either A or B are (a) {2, 3, 5} (b){1, 2, 3, 5} (c) {3,5} (d){1, 3, 5 }</p>	1

15	<p>If $a + b = 90^\circ$ and $a = 2b$, then $\cos^2 a + \sin^2 b$ is equal to:</p> <p>(a) 1 (b) $1/2$ (c) 0 (d) 2</p>	1
16	<p>If two overlapping right triangles are shown below, then the value of x will be</p>  <p>(a) 4 cm (b) 10 cm (c) $5\sqrt{3}$ cm (d) 37.5 cm</p>	1
17	<p>$(x^2+1)^2 - x^2 = 0$ has</p> <p>(a) Four real roots (b) two real roots (c) no real roots (d) one real root</p>	1
18	<p>From the data 1, 4, 7, 9, 16, 21, 25, if all the even numbers are removed, then the probability of getting at random a prime number from the remaining is</p> <p>(a) $\frac{2}{5}$ (b) $\frac{1}{5}$ (c) $\frac{1}{7}$ (d) $\frac{2}{7}$</p>	1
	<p>DIRECTION: In the question number 19 and 20, a statement of Assertion (A) is followed by a statement of Reason (R). Choose the correct option</p> <p>A) Both assertion (A) and reason (R) are true and reason (R) is the correct explanation of assertion (A) B) Both assertion (A) and reason (R) are true and reason (R) is not the correct explanation of assertion (A) C) Assertion (A) is true but reason (R) is false. D) Assertion (A) is false but reason (R) is true.</p>	1

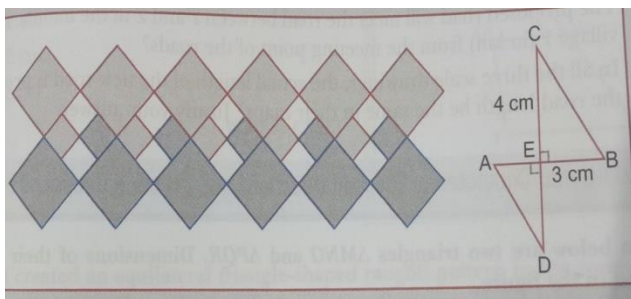
19	<p>Assertion(A): In $\triangle ABC$, if D and E are midpoints of sides AB and AC respectively, then $DE \parallel BC$.</p> <p>Reason(R): If one angle of a triangle is equal to one angle of the other triangle and the sides including these angles are proportional, then the two triangles are similar.</p>	1
20	<p>Assertion(A): If $\sec A + \tan A = 2$, then $\sec A - \tan A = 1/2$</p> <p>Reason(R): For $0^\circ < A < 90^\circ$, $\sec^2 A - \tan^2 A = 1$</p>	1
	Section B consists of 5 questions of 2 marks each.	
21	If the zeroes of the polynomial $x^2 + px + q$ are double in value to the zeroes of the polynomial $2x^2 - 5x - 3$, then find the value p and q .	2
22	If $2^{2x-y} = 16$ and $5^{x-2y} = 25$, then find the value of x and y .	2
23	<p>Solve for x : $\sqrt{3}x^2 + 10x - 8\sqrt{3} = 0$</p> <p>OR</p> <p>Find the value of m for which the quadratic equation $(m - 1)x^2 + 2(m - 1)x + 1$ Has two real and equal roots.</p>	2
24	Find the value of ' k ' if $(3, \frac{3}{4})$ is the mid point on the line segment joining the points $(k, 0)$ and $(7, \frac{3}{2})$.	2
25	<p>Two dice are thrown at the same time. Determine the probability that the difference of the numbers on the two dice is 2.</p> <p>OR</p> <p>A card is drawn at random from a pack of 52 cards. Find the probability that the card drawn is neither an ace nor a king.</p>	2
	Section C consists of 6 questions of 3 marks each	
26	Prove that $\sqrt{5}$ is an irrational number.	3
27	Riddhi throws a stone in the air such that it follows a parabolic path before it lands at P on the ground as depicted by the graph below.	3

	 <p>The above graph is represented by a polynomial where the sum of its zeroes is 1 and the sum of the squares of its zeroes is 25. Find the coordinates of P and Q.</p> <p style="text-align: center;">OR</p> <p>If α and β are the zeroes of the quadratic polynomial $p(t) = t^2 - p(t+1) - c$, then prove that $(\alpha + 1)(\beta + 1) = 1 - c$.</p>	
28	<p>In the given figure, CD is the perpendicular bisector of AB. EF is perpendicular to AE intersects CD at G. Prove that $\frac{CF}{CD} = \frac{FG}{DG}$.</p> 	3
29	<p>Find the length of the longest side of the triangle formed by the points of intersection of line $8x + 6y = 48$ with the coordinate axes.</p> <p style="text-align: center;">OR</p> <p>Atul plotted the seating plan of his classroom on a cartesian plane such that ,Abdul is seated at (3,7),and Vaibhav is seated at (-2,-1).Parshant is seated somewhere on the line that connects Abdul and Vaibhav. It is given that the distance between Parshant and Vaibhav is half of the distance between Abdul and Parshant .What are the coordinates of Parshant'sseat ?</p>	3
30	<p>If $\operatorname{cosec}(A-B)=2$ and $\cot(A+B)=1/\sqrt{3}$, $0^\circ < (A+B) \leq 90^\circ$, $A > B$ then finds the value of A and B.</p>	3
31	<p>There are 1000 sealed envelopes in a box, 10 of them contain a cash prize of ₹100 each, 100 of them contain a cash prize of ₹ 50 each and 200 of them contains a cash prize of ₹10 each and the rest do not contain any cash prize. If they are well shuffled and an envelope is picked out, then find the probability of getting an envelope containing no cash price.</p>	3
	Section D consists of 4 questions of 5 marks each	
32	<p>Anuj had some chocolates, and he divided them into two lots A and B. He sold the first lot at the rate ₹2 for 3 chocolates and the second lot at</p>	5

	<p>the rate of ₹1 per chocolate, and got a total of ₹400. If he had sold the first lot at the rate of ₹1 per chocolate and the second lot at the rate of ₹4 for 5 chocolates, his total collection would have been ₹460. Find the total number of chocolates he had.</p> <p>(OR)</p> <p>The sum of the numerator and denominator of a fraction is 3 less than twice the denominator. If the numerator and denominator are decreased by 1, the fraction becomes $\frac{1}{2}$. Determine the fraction.</p>	
33	<p>A railway half ticket costs half the full fare and the reservation charge is the same on half ticket as on full ticket. One reserved first class ticket from Mumbai to Ahmedabad costs Rs 216 and one full and one half reserved first class ticket costs Rs 327. What is the basic first class full fare and what is the reservation charge?</p>	5
34	<p>If $\frac{\cos \alpha}{\cos \beta} = m$, $\frac{\cos \alpha}{\sin \beta} = n$, prove that $(m^2 + n^2) \cos^2 \beta = n^2$.</p> <p>OR</p> $\frac{\tan A}{1 - \cot A} + \frac{\cot A}{1 - \tan A} = 1 + \sec A \csc A.$	5
35	<p>(A) If a line is drawn parallel to one side of a triangle to intersect the other two sides in distinct points, then prove that the other two sides are divided in the same ratio.</p> <p>(B) In the given figure, $\angle ADC = \angle BCA$, prove that $\triangle ACB \sim \triangle ADC$. Hence find BD if AC=8cm and AD =3cm.</p> 	5
	<p>Section E consists of 3 case study based questions of 4 marks each.</p>	

36

Ankita wants to make a toran for Diwali using some pieces of cardboard .She cuts some cardboard pieces as shown below.The perimeter of $\triangle ADE$ and $\triangle BCE$ are in the ratio 2:3.



Based on the above information ,answer the following questions:

(i) If the two triangles here are similar by SAS similarity then find $\frac{BE}{AE}$ in terms of CE and DE.

(ii) Find the length of BC.

(iii) Find the length of AD.

OR

Find the length of ED.

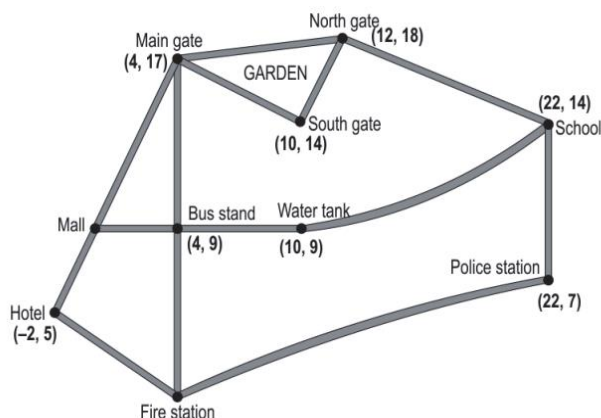
1

1

2


37

Shown below is the map of rama's neighborhood



Rama did a survey of his neighbourhood and collected the following information.

- The hotel, mall and the main gate of the garden lie in a straight line.
- The distance between the hotel and the mall is half the distance between the mall and the main gate of the garden.

	<ul style="list-style-type: none"> • The bus stand is exactly midway between the main gate of the garden and the fire station. • The mall, bus stand and the water tank lie in a straight line. <p>Based on the above information, answer the following questions:</p> <p>i) Determine the x-coordinate of the mall's location.</p> <p>ii) Find the shortest distance between the water tank and the school.</p> <p>iii) Determine the type of triangular garden.</p> <p>OR</p> <p>Find the distance between the police station and the fire station.</p>	<p>1</p> <p>1</p> <p>2</p>
38	<p>A seminar is being conducted by an Educational Organization, where the participants will be educators of different subjects. The number of participants in Hindi, English and Mathematics are 60, 84 and 108 respectively.</p> <p>(i)</p>  <p>In each room the same number of participants are to be seated and all of them are in the same subject. Find the maximum number of participants that can be accommodated in each room.</p> <p>(ii) What is the minimum number of rooms required during the event?</p> <p>(iii) Find the LCM of 60, 84 and 108.</p> <p>OR</p> <p>Find the product of HCF and LCM of 60, 84 and 108.</p>	<p>(1)</p> <p>(1)</p> <p>(2)</p>

SLS DAV PUBLIC SCHOOL, MAUSAM VIHAR

SAMPLE QUESTION PAPER

TERM-1

SCIENCE (Code No. - 086)

CLASS-X

Time – 3hours

Max Marks : 80

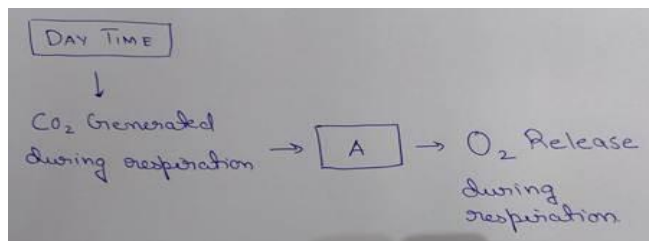
General Instructions:

- i. This question paper consists of 39 questions in 3 sections. Section A is Biology, Section B is Chemistry and Section C is Physics.
- ii. All questions are compulsory. However an internal choice is provided in some Questions. A student is expected to attempt only one of these questions

SECTION-A

1. Observe the given flow chart and select the process 'A' from the given options:

1



- a. Respiration b. Excretion c. Photosynthesis d. Transpiration.

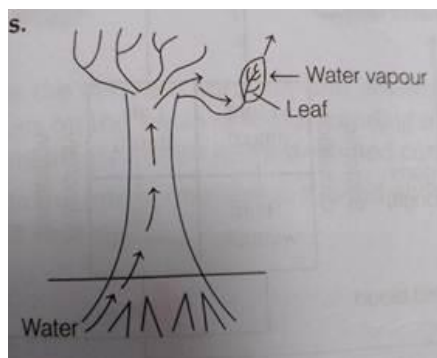
2. Select a 3-carbon molecule which is formed in the cytoplasm of a cell during respiration from the given options:

1

- a. Lactic Acid b. Pyruvate c. Glucose d. Ethanol

3. Observe the given diagram and identify the process and its significance from the following options:

1



- a. Evaporation : Maintains water content in the leaf.
 - b. Transpiration ; creates a suction force which pulls water inside the plants.
 - c. Excretion ; helps in excreting out waste water from the plant.
 - d. Translocation ; helps in transporting materials from one cell to another.
4. Select the characteristics which are true for describing arteries. 1
- a. Thick walls, no valve present.
 - b. Thin walls , valve present.
 - c. Wider lumen, superficially present.
 - d. Narrow Lumen , superficially present.
5. Choose the incorrect pair; 1
- a. Ultrafiltration- Glomerulus.
 - b. Concentration of Urine – Collecting duct.
 - c. Transport of urine - Ureter.
 - d. Storage of urine – urinary bladder.
6. Select the stimulus in response to which sunflowers show movement. 1
- a. Gravity b. Chemicals c. Day or Night d. Water
7. Which among the following hormone promotes cell division in plants? 1
- a. Gibberellins b. Cytokinins c. Auxin d. Abscissic acid

Read the assertion and reason carefully in question number 8 and 9 then mark the correct option out of the options given below:

- i. **If both assertion and reason are true and the reason is the correct explanation of the Assertion.**
- ii. **If both assertion and reason are true and the reason is not the correct explanation of the Assertion.**
- iii. **If assertion is true but reason is false.**
- iv. **If the assertion and reason both are false.**

8.Assertion (A): The inner walls of the small intestine have finger like projections called villi which are rich in blood.

Reason (R): These villi have a large surface area to help the small intestine in completing the digestion of food

1

9.Assertion (A) : Receptors are usually located in our sense organs and perceive a particular stimulus.

Reason (R) : Different sense organs have different receptors for detecting stimuli.

1

10.State the role of enzymes secreted by pancreatic juice.

OR,

List two functions of finger like projections present in small intestine of humans. 2

11.Analyse the following disorders and name the hormone responsible for each. 2

- (i) Dwarfism
- (ii) Goitre
- (iii) Diabetes
- (iv) Irregular menstrual cycle

12. Explain the mechanism by which the water is transported in plants? 2

13. Mention three ways by plants show excretion. 3

14. Identify the part of human brain responsible for following functions: 4

- a) Riding a bicycle
- b) Blood pressure
- c) Sensation of feeling full.

OR,

Illustrate reflex action through a reflex -arc.

15. In a school visit , students of class X observed three types of leaves on a plant, Young leaves were used red in colour. Some leaves were variegated and many mature leaves were green.

On the basis of above case, answer the following questions:

- (i) Do young leaves have chlorophyll ? justify your answer. (1)
- (ii) List two examples of variegated leaves. (1)

- (iii) Out of the three leaves mentioned above, which one will show the presence of starch and why? (2)

Or,

On the basis of your understanding about the plastids. Write the names and function of plastids which do not impart green colour.

16. (i) Explain how do opening and closing of stomatal pore take place?

(ii) What is the significance of this process?

(iii) Draw a well-labelled diagram to show open and closed stomatal pores?

OR,

(i) Name the mode of nutrition present in amoeba.

(ii) Draw a labelled diagram to show the process of nutrition in amoeba.

(iii) Compare and contrast with one point each of difference and similarity between Cuscuta and tapeworm.

5

SECTION B

17. Which of the following is an example of weak acid?

1

- a. Sulphuric acid
- b. Nitric Acid
- c. Hydrochloric Acid
- d. Phosphoric Acid

18. What do you observe when potassium Iodide solution is added to Lead Nitrate Solution?

1

- a. A red ppt of Lead Iodide is formed.
- b. A red ppt of potassium Nitrate is formed.
- c. A yellow ppt of potassium Nitrate is formed.
- d. A yellow ppt of lead iodide is formed.

19. The ratio in which concentrated HCl and Concentrated HNO₃ are mixed in aqua-regia:

1

- a. 3:1
- b. 1:1
- c. 1:3
- d. 2:1

20. Same volume of Hydrochloric Acid and Ammonium solution have been mixed. They have same strength. What will be nature of the resultant solution? 1

- a. Acidic b. Basic c. Neutral d. cannot be decided.

21. The correct sequence of A, B, C in balanced chemical equation given below is: 1



- a. A-1, B-2, C-3
b. A-2, B-3, C-1
c. A-2, B-1, C-3
d. A-1, B-3, C-2

22. Which if not the characteristics of ionic compounds? 1

- a. They have high melting points.
b. They are non-electrolytes.
c. These are solid and hard.
d. They have strong inter-ionic attraction

23. In the reaction of aqueous solution of barium chloride with aqueous solution of sodium sulphate, the aqueous solution formed will be: 1

- a. BaCl_2
b. BaSO_4
c. Na_2SO_4
d. NaCl

24. Assertion(A): Hydrogen Peroxide is kept in coloured bottles.

Reason(R): It is highly unstable and slowly decomposes when kept in presence of sunlight

1

25. Rahul added iron nails to copper sulphate solution. After sometime colour of solution changes. Give a suitable reason for the observation. Also write balanced chemical equation for same. 2

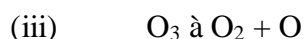
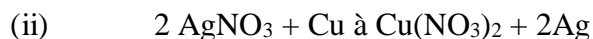
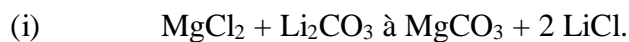
26. a) Why do we need to control the temperature during formation of Plaster of Paris from Gypsum?

b) Gaseous **HCl** does not change the colour of dry Blue litmus paper- Explain.

c) Both Acid solution and Base solution (in water) always contain hydronium ions and hydroxide ions- Justify.

3

27. Identify the type of chemical reaction and justify by giving suitable reason for the same



3

OR,

Identify the substance (i) oxidised (ii) reduced (iii) oxidising agent , by giving suitable explanation in the following reaction: $4 \text{Na} + \text{O}_2 \rightarrow 2 \text{Na}_2\text{O}$

28. We know how acid-base indicators can be used to distinguish between an acid and a base. We have also learnt in the previous section about dilution and decrease in concentration of H^+ or OH^- ions in solutions.

A scale for measuring hydrogen ion concentration in a solution , called pH scale has been developed. The p in pH stands for ‘potenz’ in German, meaning power. ON the pH scale we can measure pH generally from 0 (very acidic) to 14 (very alkaline) . pH should be thought of simply as a number which indicates the acidic or basic nature of a solution. Higher the hydronium ion concentration , lower is the pH value.

a) At which pH decay of human tooth starts?

b) What is the expected colour of aqueous **NaCl** mixed with few drops of Universal Indicator?

c) Aqueous **NaCl** has been electrolysed using Pt-electrodes mixed with few drops of phenolphthalein . Will be there any colour development? If so – explain with suitable reason.

OR

c) A 100 ml aqueous solution contains 2 ml **HCl**. It is added with 900ml water. How would the pH of the solution be affected? Comment on the absolute number of H^+ or H_3O^+ ions’ variation during this activity. (1+1+2)

29.(a) Samples of four metals A,B,C and D were taken and added to the following solution one by one. The results obtained have been tabulated as follows:

Metal	Iron (II) Sulphate	Copper (II) Sulphate	Zinc Carbonate	Silver Chloride
A	Displacement	No Reaction
B	No Reaction	No Reaction	No Reaction	No Reaction

C	No Reaction	NO Reaction	No Reaction	Displacement
D	No Reaction	Displacement

Use the table above the answer the following questions about metals A,B,C and D

- (i) Which is the most reactive metal.
- (ii) What would you observe if A is added to a solution of copper (II) sulphate?
- (iii) Arrange the metals A,B,C and D in the order of decreasing reactivity.

(b) Write balanced chemical reaction.

- (i) Aluminium with Steam.
- (ii) Sodium oxide with water.

OR

- a) Give reasons for the following :
 - (i) Sodium , Potassium and lithium are stored in kerosene oil.
 - (ii) Electric wires are coated with PVC material.
- b) Explain the meaning of amphoteric oxides.
- c) Name two metals which will displace hydrogen from dilute H_2SO_4 and two metals which will not.

5

Section C

- 30. Which element is used for making electric wires? 1
 - a. Silver b. Phosphorus c. Sodium d. Iodine
- 31. The Maximum Resistance obtained by using three resistances of 5 ohm each is: 1
 - a. 10 ohm b. 7.5 ohm c. 15 ohm d. 5 ohm
- 32. No force acts on a current carrying conductor when it is placed: 1
 - a. Perpendicular to magnetic field
 - b. Parallel to magnetic field
 - c. Far away from magnetic field
 - d. Inside magnetic field

Read the assertion and reason carefully in question number 4 and 5 then mark the correct option out of the options given below:

- i. **If both assertion and reason are true and the reason is the correct explanation of the Assertion.**
- ii. **If both assertion and reason are true and the reason is not the correct explanation of the Assertion.**
- iii. **If assertion is true but reason is false.**
- iv. **If the assertion and reason both are false.**

33. **Assertion (A):** The equation $V = RI$ does not apply to those conducting devices that do not obey Ohm's law.

Reason (R): $V = RI$ is a statement of Ohm's law.

1

34. (a) List two properties of magnetic field lines.

2

(b) Draw magnetic field lines around a Bar magnet.

35. i) Distinguish between the terms electrical resistance and resistivity of conductor.

ii) Which of the cables, one rated 5 A and the other 10 A will be of thicker wire? Give a reason for your answer.

2

36. Mohan bought a refrigerator rated 400 Watt, which operates 10 hours per day. What is the cost of electrical energy to operate it for 30 days at ₹ 7 per unit?

2

OR,

Why is series arrangement not used for connecting domestic electric appliances. Give two reasons.

37. A current carrying conductor is placed in a uniform magnetic field, what will you observe

3

(i) When current in the conductor is increased.

(ii) Length of the rod is increased.

(iii) Intensity of the magnetic field is increased.

38. A wire of given material having length l and area of cross section A , has resistance 4 ohm. What would be the resistance of another of same material having length $l/2$ and area of cross section $2A$.

3

39. Ananya got her house renovated. While having the new wiring done, she observed that there were different colors of the wire used. She asked the electrician about significance of

the color but not satisfied with the answer. Based on the above information answer the following :

- What could be the reason for different colour and what do they signify.
- What will happen if the red colour and black colour wire touch each other.
- Name the two safety measures used in the electric circuit and appliance.

Or,

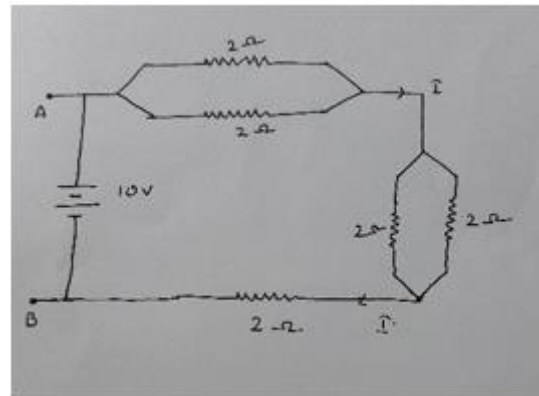
An electric oven of 2 kW power is operated in a domestic electric circuit(220 volt supply) that has a current rating 5 Amp. What result do you expect , explain.

(1+1+2)

40. In the following Circuit Diagram, calculate:

5

- Effective Resistance of the circuit.
- Total Current in the circuit.
- ON what factor resistance of the conductor depends, write SI unit of resistivity.



SLS DAV PUBLIC SCHOOL
SOCIAL SCIENCE – CODE 087
SAMPLE PAPER CLASS X
SESSION 2025-2026

Time Allowed: 3 Hours

Maximum Marks: 80

General Instructions:

1. There are 38 questions in the Question paper. All questions are compulsory.
2. The question paper has four Sections – A History, B- Geography, C- Political Science, D- Economics. Each Section is of 20 marks.
3. Very Short Answer Type Questions, carrying 2 marks each. Answer to each question should not exceed 40 words.
4. Short Answer Type Questions, carrying 3 marks each. Answer to each question should not exceed 60 words
5. long answer type questions, carrying 5 marks each. Answer to each question should not exceed 120 words.
6. Case based questions with three sub questions and are of 4 marks each. Answer to each question should not exceed 100 words.
7. Map based, carrying 5 marks with two parts, History (2 marks) and Geography (3 marks).
8. There is no overall choice in the question paper. However, an internal choice has been provided in few questions. Only one of the choices in such questions have to be attempted.

SECTION A HISTORY

Q1. Identify the leader, who was the chief architect that led process of German unification from the given options:

1

- A. Kaiser William I
- B. Otto Von Bismarck
- C. Victor Emmanuel II
- D. Count Cavour

Q2. Arrange the following statements in sequential order based on the events that shaped the Non-cooperation movement.

1

- i. General Dyer opened fire at the large crowd gathered in the enclosed ground of Jallianwala Bagh.
- ii. “Forced recruitment” carried out by the British government and the economic hardships faced by the people during the first world war.
- iii. The defeat of the Ottoman Emperor of Turkey led to the formation of the Khilafat movement.
- iv. Gandhiji launched a nationwide satyagraha against the Rowlatt act.

Options:

- A. iv, iii, ii, i
- B. ii, i, iv, iii
- C. i, iv, iii, ii
- D. i, ii, iii, iv

Q3. Name the leader who wrote ‘Hind Swaraj’ in 1909.

1

Options:

A. C.R Das

C. Mahatma Gandhi

B.Subhash Chandra Bose

D. Jawahar Lal Nehru

Q4. Discuss any two reasons responsible for the Non-cooperation movement losing its momentum in the towns and cities. 2

Q5. Explain the contribution of Giuseppe Mazzini in spreading revolutionary ideas in Europe. 3

Q6. 'Culture played an important role in the growth of nationalism in Europe'. Justify the statement with suitable examples. 5

OR

'Initially Napoleon was welcomed as harbingers of liberty, but the initial enthusiasm soon turned to hostility'. Analyse.

Q7. Read the source given below and answer the question that follows:

'We believe that it is the inalienable right of the Indian people, as of any other people, to have freedom and to enjoy the fruits of their toil and have the necessities of life, so that they may have full opportunities of growth. We believe also that if any government deprives a people of these rights and oppresses them, the people have a further right to alter it or to abolish it. The British Government in India has not only deprived the Indian people of their freedom but has based itself on the exploitation of the masses, and has ruined India economically, politically, culturally, and spiritually. We believe, therefore, that India must sever the British connection and attain Purna Swaraj or Complete Independence.

7 a. Who presided over the congress session 1929 in Lahore. 1

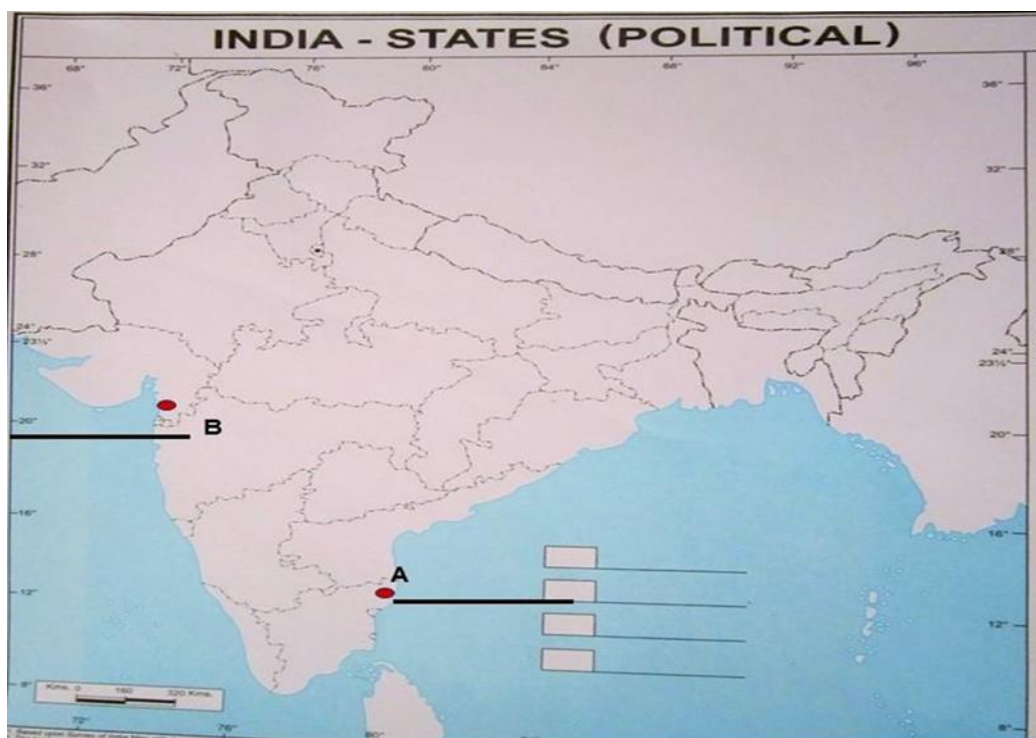
7 b. How did the British Government in India, deprive the freedom of Indian people. 1

7 c. Enlist any two significance of Lahore session in the history of India. 2

Q8.Two places A and B have been marked on the given outline map of India. Identify them and write their correct names on the lines drawn near them. 2

A. Indian National congress session at this place in 1927.

B. The place where Mahatma Gandhi broke the salt law.



SECTION B GEOGRAPHY

Q9. Current fallow land left without cultivation for_____

1

- A. Less than one year.
- B. One to three years.
- C. Four to five years.
- D. More than 5 years.

Q10. “We have not inherited the world from our fore fathers, we have borrowed it from our children.” – Mr. Lester Brown

1

Which of the following statements best displays this principle in action?

- A. Using a current oil reserves before beginning to explore more reserves
- B. Moving to oil reserves under the sea to avoid drilling on land
- C. Moving to alternative fuels to conserve world oil reserves
- D. Using modern drilling facilities to extract petroleum.

Q11. Irrigation has changed the cropping pattern of many regions and caused many ecological problems. Pradhan Mantri Krishi Sinchae Yojna is to bring desired rural prosperity. Identify the correct information related to a Mantri Krishi Sinchae Yojna.

1

- A. 1 and 2 only
- B. 2 and 3 only
- C. 1, 3 and 4 only
- D. 1, 2 and 4 only.

Q12. In the questions given below, there are two statements marked as Assertion (A) and Reason (R). Read the statements and chose the correct option:

1

Assertion(A): Sustainable development is not essential for economic growth of the countries.
Reason(R): Sustainable development ensures that environment friendly measures are adopted for carrying out the production process.

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.

Q13. Suggest any two steps taken to control soil erosion in the hilly areas. 2

Q14. Analyse the role of community in combating forest and wildlife destruction. Support your answer by giving three examples. 3

Q15. Enlist any five measures introduced under the government's comprehensive agricultural development programme aimed at improving the sustained use of agricultural land and enhancing the condition of the farmers. 5

Q16. Read the source given below and answer the questions that follow:

In ancient India, along with the sophisticated hydraulic structures, there existed an extraordinary tradition of water-harvesting system. People had in-depth knowledge of rainfall regimes and soil types and developed wide ranging techniques to harvest rainwater, groundwater, river water and flood water in keeping with the local ecological conditions and their water needs. In hill and mountainous regions, people built diversion channels like the 'guls' or 'kuls' of the Western Himalayas for agriculture. 'Rooftop rainwater harvesting' was commonly practised to store drinking water, particularly in Rajasthan. In the flood plains of Bengal, people developed inundation channels to irrigate their fields. In arid and semi-arid regions, agricultural fields were converted into rain fed storage structures that allowed the water to stand and moisten the soil like the 'khadins' in Jaisalmer and 'Johads' in other parts of Rajasthan.

16a Why is resistance rising against the multi-purpose projects? Give any one reason. 1

16b - In western Rajasthan, the practice of rooftop rainwater harvesting is on the decline. Why? 1

16c Describe any two traditional techniques of water harvesting. 2

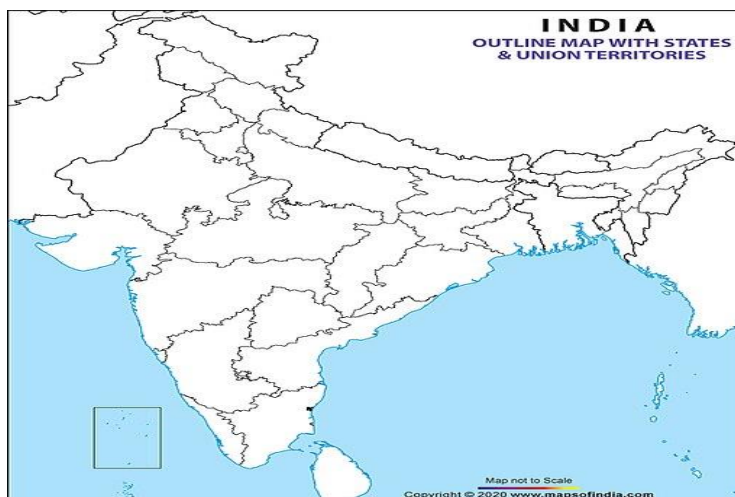
Q17. On the same outline map of India locate and label any three of the following with suitable symbols

i.Region of black soil in Deccan trap. 3

ii.Major Rubber producing state in N.E. India.

iii.Salal dam.

iv.Dam on Krishna river.



SECTION C DEMOCRATIC POLITICS

Q18. Consider the following four statements.

1

I. In a federation the powers of the federal and provincial governments are clearly demarcated

II. India is a federal state as, the powers of the Union and the State governments are specified in the constitution.

III. Sri Lanka is federation because the country is divided into provinces.

IV. India is no longer a federal because some powers of the states have devolved to the local government bodies

Which of the statements given above are correct

A. A, B and C

B. A, C and D

C. A and B only

D. B and C only

Q19. Besides Hindi there are _____ other languages recognized as scheduled languages by the constitution.

1

A. 21

B. 24

C. 12

Q20. The following question consists of two statements. Assertion and Reason select the appropriate options

1

ASSERTION: Sri Lanka adopted Tamil as the official language of the state.

REASON: The government of Sri Lanka adopted a series of majoritarian measures.

A. Both A and R are true and R is the correct explanation of A.

B. Both A and R are true and R is not the correct explanation of A.

C. Option A is correct but R is Incorrect

D. Option A is incorrect but R is correct

Q21. Match list 1 with List 2 and select the correct answer using the options given below

1

List 1 List 2

1. Ethnic a. Either only one or two level of government

2. Majoritarianism b. A violent conflict groups within a country

3. Civil War c. Belief that majority community should be able to rule in the country.

4. Unitary System d. A social division based on the culture.

Options

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

C. 1-c, 2-a, 3-b, 4-d

B. 1-b, 2-d, 3-a, 4-c

D. 1-a, 2-c, 3-b, 4-a

Q22. There are two statements marked as Assertion (A) and Reason (R). Mark your answer as per the codes provided below:

1

Assertion: Polish was used for Church gatherings and all religious instructions in Poland by the clergy class.

Reason: Vernacular language played an important role in developing nationalistic sentiments among the Polish people.

A. Both A and R are true and reason is the correct explanation of assertion

B. Both A and R are true but reason is not the correct explanation of assertion.

C. A is true but R is false

D.A is false but R is true

Q23. Indian constitution advocates an official language for India.(TRUE or FALSE)1

Q24. “Religion can never be separated from politics” Justify the given statement by giving two points. 2

Q25. In what ways women’s role has improved in public life? 3

Q26. Read the source below and answer the questions that follow:

After gaining independence in 1948, Sri Lanka adopted majoritarian policies that favored the Sinhala-speaking majority (74%) over the Tamil-speaking minority (18%). In 1956, Sinhala was declared the only official language, and Buddhism was given state protection, ignoring the interests of Tamil-speaking citizens. These policies led to discrimination in jobs, education, and political representation, creating deep divisions between the Sinhala and Tamil communities. The Sri Lankan Tamils demanded equal rights and regional autonomy, but their demands were denied, leading to a prolonged civil war.

26a. State the majoritarian policy adopted by Sri Lanka in 1956. 1

26b. Mention the reason that Sri Lankan Tamils feel alienated by the government. 1

26c.State the consequences of the Sri Lankan government's refusal to share power. 2

Q27. Highlight the key features taken to strengthen the local self-government by the constitutional amendments, 1992. 5

OR

Describe any five features of Federalism.

Q28. Read the source below and answer the questions that following

After gaining independence in 1948, Sri Lanka adopted majoritarian policies that favored the Sinhala-speaking majority (74%) over the Tamil-speaking minority (18%). In 1956, Sinhala was declared the only official language, and Buddhism was given state protection, ignoring the interests of Tamil-speaking citizens. These policies led to discrimination in jobs, education, and political representation, creating deep divisions between the Sinhala and Tamil communities. The Sri Lankan Tamils demanded equal rights and regional autonomy, but their demands were denied, leading to a prolonged civil war.

28.1- State the majoritarian policy adopted by Sri Lanka in 1956. 1

28.2- Mention the reason that Sri Lankan Tamils feel alienated by the government. 1

28.3- State the consequences of the Sri Lankan government's refusal to share power. 2

SECTION D ECONOMICS

Q29.Analyse the table given below and answer the question that follows: 1

The source shows a database of workers employed in different sectors (in millions).

Sector	Unorganised	Organised	Total
Primary	240	2	242

Secondary	54	9	63
Tertiary	76	17	93

Total 370 28 398

Total in % 100%

What percentage of tertiary sector workers in India is employed in the unorganized sector according to the table?

- A. 71.2% B. 80% C. 81.7% D. 91.7%

Q30. What percentage of tertiary sector workers in India is employed in the unorganized sector according to the table? 1

- A. 71.2% B. 80%
C. 81.7% D. 91.7%

Q31.. India comes in the category of _____ countries because its per capita income in 2019 was just US\$ 6700 per annum. 1

- A. low middle income country
B. middle income country
C. high middle income country
D. poor country

Q32. Fill in the blank: 1

Sector	Criteria
Primary, Secondary and Tertiary	Nature of Economic Activity
Organized and unorganized	_____
Codes:	
A. Nature of production activities	B. Nature of employment activities
C. Nature of social activities	D. Nature of non-economic activities

Q33. Read the data given below and answer the question: 1

State	Infant Mortality Rate per 1000 live births (2018)	Literacy Rate (%) 2017-18
A	30 82	
B	7 94	

As per the data given above, Analysed why State B has low Infant Mortality Rate:

- A. It has high Per Capita Income
B. It has better infrastructure than State A
C. It has good teachers and schools
D. It has health care and education for all.

Q34. Assertion (A): An equitable distribution of resources has become essential for a sustained quality of life and global peace. 1

Reason(R): Equitable distribution promotes inequality among classes.

Choose the correct answer out of the following choices.

- A. Both Assertion(A) and Reason (R) are true and Reason (R) is the correct explanation of Assertion (A).
B. Both Assertion(A) and Reason (R) are true and Reason (R) is not the correct explanation of Assertion (A).
C. Assertion (A) is true but Reason (R) is false.
D. Assertion (A) is false but Reason (R) is true.

Q35. On the basis of the given table, calculate the average income of Country A and Country B:

Country	Monthly Income of Citizens in 2010 (In Rupees)				
1	2	3	4	5	Average
Country A	9500	10500	9800	10000	10200 ?
Country B	1500	2000	500	500	48000 ?

- A. 10,200; 10,600
B. 9500; 10,100
C. 10,000; 10,500
D. 9700; 10,900

Q36. In the questions given below, there are two statements marked as Assertion (A) and Reason (R). Read the statements and chose the correct option: 1

Assertion(A): Sustainable development is not essential for economic growth of the countries.

Reason(R): Sustainable development ensures that environment friendly measures are adopted for carrying out the production process.

- 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.

Q37. “Money in your pocket cannot buy all the goods and services that you may need to live well.” In the context of the above statement, justify how income itself is an inadequate indicator of development.

Q38. The service sector also includes some essential services that may indirectly help in the production of goods and services. Examine the importance of the service sector in building the economy.

Or

The secondary sector covers activities in which goods are converted into other forms through the process of manufacturing . Examine the contribution of the manufacturing sector in an economy.

SLS DAV PUBLIC SCHOOL
ARTIFICIAL INTELLIGENCE(417)
Sample Question Paper for Class X

Max. Time: 2 Hours

Max. Marks: 50

General Instructions:

1. Please read the instructions carefully.
2. This Question Paper consists of questions in two sections: Section A & Section B.
3. Section A has Objective type questions whereas Section B contains Subjective type questions.

SECTION A - OBJECTIVE TYPE QUESTIONS (24 MARKS)

- Q1. i) "M D Gulati started with a small shop with his focus, dedication and clear ideas, MDH became one of the most popular brands in India besides having a good reputation all over the world". Which self-management skill is clearly visible in the given statement?
- ii) When you bring the mouse over a file in File Explorer, it will show the details of that file. This is known as
(a) Drag and drop (b) Double click (c) Hover (d) Single click
- iii) Assertion(A): A doctor works for a renowned hospital.
Reason(R): The statement given above is an example of wage employment.
(a) Both A and R are correct and R is the correct explanation of A
(b) Both A and R are correct but R is NOT the correct explanation of A
(c) A is correct but R is not correct
(d) A is not correct but R is correct
- iv) _____ the work is all about identifying and noting how we spent our time, and analysing how to spend our time effectively.
(a) Organising (b) Prioritising (c) Controlling (d) Tracking
- v) Remya traveled to Sweden from India to pursue her higher education. But she doesn't know how to speak Swedish (language of Sweden). Because of this, she was unable to find a part time job. This is an example of _____
(a) Interpersonal barrier (b) Physical barrier
(c) Organisational barrier (d) Linguistic barrier
- vi) . "Efforts are made to increase the solar power generation so that our electricity needs are met and at the same time we do not pollute the environment or use up natural resources". Which SDG can you relate this statement to?
(a) Life on land (b) Clean water and sanitation
(c) Affordable and clean energy (d) Reduced inequalities

Q. 2 Answer the questions from Subject Specific Skills.

2.1 Assertion (A)– One can be a good singer while the other can be a great athlete.

Reason(R) – Humans possess different types of intelligences but at different levels.

- (a) Both A and R are correct and R is the correct explanation of A
- (b) Both A and R are correct but R is not the correct explanation of A
- (c) A is correct but R is not correct
- (d) A is not correct but R is correct.

2.2) The Indian Government banned a few apps stating – "servers in the hostile nation are receiving and using the acquired data improperly". Which terminology suits best for this action?

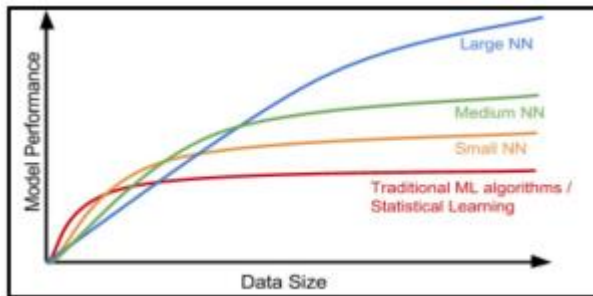
- (a) AI Ethics (b) Data Privacy (c) AI Bias (d) AI Access

2.3). Statment1: There are four layers in a neural network.

Statement2:The first layer of the neural network is known as the output layer.

- (a) Both Statement1 and Statement2 are correct
 (b) Both Statement1 and Statement2 are incorrect
 (c) Statement1 is correct but Statement2 is incorrect
 (d) Statement2 is correct but Statement1 is incorrect

2.4) Observe the given graph and fill in the blank:



_____ the neural network, better is the performance.

2.5) _____ is a simple file format that stores data separated by commas.

- (a) jpg (b) doc (c) csv (d) png

2.6) Read the examples given below

- i. Using Chat GPT to write an email
- ii. Face unlock technology of mobile phones using camera
- iii. Turning off lights with IoT device
- iv. Hand sanitizer dispenser having sensor

Choose the options that are not AI

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

2.7) Which of the following is an application of data science?

- (a) Text summarization (b) Target Advertisements (c) Face lock in smartphones (d) Email filters

2.8) Identify the given Chat bot type:

It learns from its environment and experience. It also builds on its capabilities based on the knowledge. These can collaborate with humans, working along-side them and learning from their behavior.

2.9) F1 Score is the measure of the balance between

- (a) Accuracy and Precision (b) Precision and Recall (c) Recall and Accuracy (d) Recall and Reality

2.10) . Statment1: The output given by the AI model is known as reality.

Statement2:The real scenario is known as Prediction.

- (a)Both Statement1 and Statement2 are correct
 (b)Both Statement1 and Statement2 are incorrect
 (c) Statement1 is correct but Statement2 is incorrect
 (d) Statement2 is correct but Statement1 is incorrect

2.11) Which feature of NLP helps in understanding the emotions of the people mentioned with the feedback?

- (a) Virtual Assistants (b) Sentiment Analysis (c) Text classification (d) Automatic Summarization

2.12) Rajat has made a model which predicts the performance of Indian Cricket players in upcoming matches. He collected the data of players' performance with respect to stadium, bowlers, opponent team and health. His model works with good accuracy and precision value. Which of the statement given below is incorrect?

- (a) Data gathered with respect to stadium, bowlers, opponent team and health is known as Testing Data.
- (b) Data given to an AI model to check accuracy and precision is Testing Data.
- (c) Training data and testing data are acquired in the Data Acquisition stage.
- (d) Training data is always larger as compared to testing data.

2.13) Sarthak made a face mask detector system for which he had collected the dataset and used all the dataset to train the model. Then, he used the same data to evaluate the model which resulted in the correct answer all the time but was not able to perform with unknown dataset. Name the concept.

2.14) Aditi, a student of class XII developed a chatbot that clarifies the doubts of Economics students. She trained the software with lots of data sets catering to all difficulty levels. If any student would type or ask questions related to Economics, the software would give an instant reply. Identify the domain of AI in the given scenario.

- (a) Computer Vision (b) Data Science (c) Natural Language Processing (d) None of these

2.15) Which evaluation parameter takes into consideration all the correct predictions?

2.16) Which one of the following scenario result in a high false positive cost?

- (a) viral outbreak (b) forest fire (c) flood (d) spam filter

2.17) If True Positive (TP)=90, True Negative (TN)=880, False Positive (FP)=20 and False Negative (FN)=10, then Accuracy will be

- (a) 0.97 or 97% (b) 0.98 or 98% (c) 0.96 or 96% (d) None of these

2.18) Anita was confused with the terms used in the evaluation stage. Suggest her the term used for the percentage of correct predictions out of all the observations.

- a) Accuracy b) Precision c) Recall d) F1 Score

2.19) What do mean by term Evaluation?

2.20) Neha was learning the conditions that make up the confusion matrix. She came across a scenario in which the machine that was supposed to predict red light traffic signal, was always predicting not red light traffic signal. What is this condition called?

- a) False Positive b) True Positive c) False Negative d) True Negative

SECTION B: SUBJECTIVE TYPE QUESTIONS

Answer the questions on Employability Skills Answer each question in 20 – 30 words.

Q3 List two best practices for effective communication. 2

Q4 What is the importance of setting goals in life? 2

Q5 “The Trojan Horse was a wooden horse said to have been used by the Greeks during the Trojan War to enter the city of Troy and win the war”. What does Trojan horse mean in computer terminology? 2

Q6 How is society helping entrepreneurs in their business? 2

Answer the questions on Subject Specific Skills in 20 – 30 words each

Q7. All of us use smartphones. When we install a new app, it asks us for several permissions to access our phone's data in different ways. Why do apps collect such data? 2

Q8. Sirisha and Divisha want to make a model which will organize the unlabeled input data into groups based on features. Which learning model should they use and why? 2

Q9. Ajay wants to access data from various sources. Suggest him any two points that he needs to keep in mind while accessing data from any data source. 2

Q10. Draw the confusion matrix for the following data 2

- the number of true positive = 100
- the number of true negative = 47
- the number of false positive = 62
- the number of false negative = 290

Q11. Differentiate between AI and Non-AI technology with example. 2

Q12. What is accuracy in evaluation? 2

Q13. Nowadays, the problem of floods has worsened in some parts of the country. Not only does it damage the whole place but it also forces people to move out of their homes and relocate. To address this issue, an AI model has been created which can predict if there is a chance of floods or not. Considering all the possible situations make a Confusion Matrix for the above situation.

Answer any 3 out of the given questions in 50– 80 words each (4 marks each)

Q14. Your grandmother watches you use AI applications. She wants to understand more about it. Help her understand the term artificial intelligence by giving the right definition and explain to her with an example how machines become artificially intelligent.

Q15. Create a Problem Statement Template based on the given scenario:

Scenario The world is competitive nowadays. People face competition in even the tiniest tasks and are expected to give their best at every point in time. When people are unable to meet these expectations, they get stressed and could even go into depression. We get to hear a lot of cases where people are depressed due to reasons like peer pressure, studies, family issues, relationships, etc. and they eventually get into something that is bad for them as well as for others. So, to overcome this, cognitive behavioural therapy (CBT) is considered to be one of the best methods to address stress as it is easy to implement on people and also gives good results. This therapy includes understanding the behaviour and mindset of a person in their normal life. With the help of CBT, therapists help people overcome their stress and live a happy life.

Q16. Akhil wants to learn how to scope the problem for an AI Project. Explain him the following:

- (a) 4W Problem Canvas
- (b) Problem Statement Template

Q17. Discuss all four cases of confusion matrix.

Q18. An AI model made the following sales prediction for a new mobile phone which they have recently launched:

Confusion Matrix		Prediction	
		Yes	No
Reality	Yes	12	6
	No	4	21

- (i) Identify the total number of wrong predictions made by the model.
- (ii) Calculate precision, recall and F1 Score.

Q19. Explain how neural networks work in an AI model and mention any three features of Neural Networks.

Q20. Define Artificial Intelligence, Explain the three domains of AI and the data that is used in these domains.