



DELHI PUBLIC SCHOOL

SAIL TOWNSHIP, RANCHI

PRE BOARD - I (2024-25)

Class - X
Time - 2 Hours

Subject - Artificial Intelligence
Maximum Marks- 50

General Instructions:

1. Please read the instructions carefully.
2. This Question Paper consists of **21 questions** in two sections: Section A & Section B.
3. Section A has Objective type questions whereas Section B contains Subjective type questions.
4. Out of the given (5 + 16 =) 21 questions, a candidate has to answer (5 + 10 =) 15 questions in the allotted (maximum) time of 2 hours.
5. All questions of a particular section must be attempted in the correct order.
6. **SECTION A - OBJECTIVE TYPE QUESTIONS (24 MARKS):**
 - i. This section has 05 questions.
 - ii. Marks allotted are mentioned against each question/part.
 - iii. There is no negative marking.
 - iv. Do as per the instructions given.
7. **SECTION B - SUBJECTIVE TYPE QUESTIONS (26 MARKS):**
 - i. This section has 16 questions.
 - ii. A candidate has to do 10 questions.
 - iii. Do as per the instructions given.
 - iv. Marks allotted are mentioned against each question/part.

SECTION A: OBJECTIVE TYPE QUESTIONS

Q. 1	Answer any 4 out of the given 6 questions on Employability Skills (1 x 4 = 4 marks)	
i.	Assertion (A): Effective communication is key to building strong professional relationships. Reason (R): Communication only involves speaking clearly. (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	1
ii.	Which of the following is NOT a self-management skill? (a) Stress management (b) Critical thinking (c) Procrastination (d) Goal setting	1

iii.	Dragging and dropping a file from one location to another is an example of: (a) Cut and paste (b) Move operation (c) Copy and paste (d) Delete	1
iv.	What is the main focus of green skills? (a) Improving internet connectivity (b) Promoting environmentally sustainable practices (c) Enhancing social networking skills (d) Developing entrepreneurial abilities	1
v.	"Analyzing and reviewing our daily tasks and activities" refers to which time management technique? (a) Scheduling (b) Delegating (c) Tracking (d) Managing	1
vi.	What is one characteristic of an entrepreneur? (a) Risk-averse (b) Goal-oriented (c) Dependent (d) Passive	1

Q. 2	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)	
i.	In AI, data that is fed to the model for training is called: (a) Test data (b) Validation data (c) Training data (d) Real-time data	1
ii.	Which of the following best defines machine learning? (a) A machine-based language (b) Computer programming (c) Teaching computers to learn from data (d) Coding techniques	1

iii.	Assertion (A): Supervised learning requires labeled data. Reason (R): Unsupervised learning does not require labeled data. (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	1
iv.	Which of the following terms is associated with extracting knowledge from structured data? (a) Natural Language Processing (b) Data Science (c) Computer Vision (d) Hardware Engineering	1
v.	What is the main use of chatbots in customer service? (a) Performing calculations (b) Understanding customer preferences (c) Automatically generating emails (d) Providing predefined responses	1
vi.	Assertion (A): AI models can make decisions based on patterns in data. Reason (R): AI does not require any human intervention in decision-making. (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	1

Q. 3	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)	
i	"Clustering unlabeled data based on similarity" is part of which machine learning approach? (a) Supervised learning (b) Reinforcement learning (c) Unsupervised learning (d) Semi-supervised learning	1
ii	The term "computer vision" refers to: (a) Processing images using AI models (b) Generating text from data (c) Improving computer performance (d) Enhancing user interface	1

iii.	Natural Language Processing (NLP) helps machines: (a) Understand and interpret human language (b) Increase data processing speed (c) Create computer graphics (d) Optimize hardware	1
iv.	Chatbots primarily function as: (a) Text editors (b) Interactive agents for user support (c) Graphics designers (d) Data storage tools	1
v.	Which term refers to the process of extracting relevant features from raw data in an AI project? (a) Data transformation (b) Feature extraction (c) Model evaluation (d) Data generation	1
vi.	In which stage of the AI Project Cycle is the data analyzed and patterns identified? (a) Problem scoping (b) Data acquisition (c) Data exploration (d) Model evaluation	1

Q. 4	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)	
i.	The final stage of an AI project is: (a) Data collection (b) Deployment (c) Model building (d) Problem scoping	1
ii.	Sentiment analysis is used to: (a) Identify people in images (b) Predict numerical data (c) Determine the emotional tone of text (d) Translate languages	1

iii.	Supervised learning typically requires: (a) Unlabeled data (b) Labeled data (c) Partial data (d) No data	1
iv.	The accuracy of an AI model is checked in which phase? (a) Data collection (b) Model evaluation (c) Data exploration (d) Problem scoping	1
v	Which one of these is NOT a part of the AI Project Cycle? (a) Data acquisition (b) Model evaluation (c) Model production (d) Problem scoping	1
vi	An AI application that recognizes images of cats and dogs is based on which type of learning? (a) Reinforcement learning (b) Unsupervised learning (c) Supervised learning (d) Transfer learning	1

Q. 5	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)	
i	A confusion matrix is used to measure: (a) Data acquisition efficiency (b) Model accuracy (c) Model training speed (d) Data transformation	1
ii	Which of the following is a commonly used metric for evaluating classification models? (a) Mean Absolute Error (b) Precision (c) Recall (d) Both b and c	1

iii	_____ data, also known as categorical or textual data, consists of non-numeric information that describes the qualities, attributes or characteristics of a subject.	1
iv	_____ data consists of distinct and separate values often obtained through counting, while continuous data is measured on a continuous scale that can take any values within a specific range.	1
v.	Which algorithms result in two things, a vocabulary of words and frequency of the words in the corpus? (a) Sentence segmentation (b) Tokenization (c) Bag of words (d) Text normalization	1
vi.	Which one of the following scenarios result in a high false positive cost? (a) viral outbreak (b) forest fire (c) flood (d) spam filter	1

SECTION B: SUBJECTIVE TYPE QUESTIONS

Answer any 3 out of the given 5 questions on Employability Skills (2 x 3 = 6 marks)

Answer each question in 20 – 30 words.

Q. 6	Why is it important to develop self-awareness for self-management? Give two reasons.	2
Q. 7	Mention any two green practices that companies can adopt to reduce their environmental impact.	2
Q. 8	Describe the concept of goal setting and its importance in personal and professional life.	2
Q. 9	Explain the term "data privacy" and mention two ways to protect user data in AI systems.	2
Q. 10	List two strategies to improve communication skills in a professional environment.	2

Answer any 4 out of the given 6 questions in 20 - 30 words each (2 x 4 = 8 marks)

Q. 11	Smartphones often use GPS data to enhance user experience by offering location-based services. Why is it important for apps to access location data, and what are the potential privacy concerns involved?	2
Q. 12	Rohan and Meera want to build a recommendation system for an e-commerce website that can suggest similar products to users based on features. Should they use supervised or unsupervised learning, and why?	2
Q. 13	Sanya is gathering data from multiple online sources for her AI project. What are two key factors she should consider to ensure the quality and security of the data she collects?	2
Q. 14	What is meant by the term "resolution"? Provide an example to illustrate your explanation.	2
Q. 15	Explain the purpose of tokenization in NLP with an example.	2
Q. 16	Draw the confusion matrix for the following data • the number of true positive = 200 • the number of true negative 50 • the number of false positive = 60 • the number of false negative = 320	2

Answer any 3 out of the given 5 questions in 50- 80 words each (4 x 3 = 12 marks)

Q. 17	Your younger sibling sees you talking to a virtual assistant on your phone and is curious about how it works. Explain to them what artificial intelligence is, and provide an example to show how machines can perform tasks intelligently.	4
Q. 18	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	4
Q. 19	What is the difference between accuracy and precision in model evaluation? Give an example.	4
Q. 20	What are the parameters used for evaluation in the confusion metric? Provide examples to illustrate your answer.	4
Q. 21	Discuss the societal impact of AI on employment and job roles.	4



DELHI PUBLIC SCHOOL

SAIL TOWNSHIP, RANCHI

PRE BOARD - I (2024-25)

Class - X

Time - 3 Hours

Subject - English

Maximum Marks- 80

General Instructions:

Read the following instructions very carefully and strictly follow them:

- i. This question paper comprises 11 questions. All questions are compulsory.
 - ii. The question paper contains THREE sections -
 - Section - A: Reading Skills
 - Section - B: Grammar and Creative Writing Skills
 - Section - C: Literature Text Book
 - iii. Attempt questions based on specific instructions for each part.
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SECTION A- READING SKILLS

1. Read the following passage carefully.

1. Held every year on 21 May, UNESCO leads the celebration of World Day for Cultural Diversity for Dialogue and Development highlighting not only the richness of the world's cultures, but also the essential role of intercultural dialogue for achieving peace and sustainable development.
2. A recent international emergency has proved the intrinsic value of the cultural and creative sector at generating social cohesion, educational resource or personal well-being in times of crisis. It has also underscored the sector's potential to generate economic growth, something which is too often underestimated.
3. With the adoption in September 2015 of the 2030 Agenda for Sustainable Development by the United Nations, and the resolution on Culture and Sustainable Development adopted by the UN General Assembly in December 2015, the message of the World Day for Cultural Diversity for Dialogue and Development is more important than ever. The 17 Sustainable Development Goals (SDGs) can best be achieved by drawing upon the creative potential of the world's diverse cultures and engaging in continuous dialogue to ensure that all members of society benefit from sustainable development.
4. Bridging the gap between cultures is urgent and necessary for peace, stability and development. Cultural diversity is a driving force of development, not only with respect to economic growth, but also as a means of leading a more fulfilling intellectual, emotional, moral and spiritual life. This is captured in the culture conventions, which provide a solid basis for the promotion of cultural diversity. Cultural diversity is thus an asset that is indispensable for poverty reduction and the achievement of sustainable development.

5. At the same time, acceptance and recognition of cultural diversity in particular through innovative use of media and Information and Communications Technologies (ICTs) are conducive to dialogue among civilizations and cultures, respect and mutual understanding.
6. In 2001, UNESCO adopted the Universal Declaration on Cultural Diversity. Next, in December 2002, the UN General Assembly, in its resolution 57/249, declared May 21 to be the World Day for Cultural Diversity for Dialogue and Development, and in 2015, the Second Committee of the UN General Assembly unanimously adopted the resolution on Culture and Sustainable Development, affirming culture's contribution to the three dimensions of sustainable development, acknowledging further the natural and cultural diversity of the world, and recognizing that cultures and civilizations can contribute to, and are crucial enablers of, sustainable development.
7. The day provides us with an opportunity to deepen our understanding of the values of cultural diversity and to achieve the goals of the UNESCO Convention on the Protection and Promotion of the Diversity of Cultural Expressions adopted on 20 October 2005.

Answer the following questions based on the above passage: (10)

- i. Based on the reading and understanding of the above passage, list two points to describe the purpose of UNESCO leading the celebration of World Day for Cultural Diversity for Dialogue and Development. (1)

(a) _____

(b) _____

- ii. Select the option that corresponds to the meaning of the following sentence from para 2.

The recent international emergency has proved the intrinsic value of the cultural and creative sector at generating social cohesion, educational resource or personal well-being in times of crisis. (1)

- (a) the real worth of cultural sector at generating social cohesion during pandemics
- (b) the real worth of creative sector at undermining the social cohesion during an international emergency
- (c) questioning the real worth of creative sector at generating education resource during an international emergency
- (d) highlighting the real worth of cultural and creative sector at generating social cohesion and educational resource during an international emergency

- iii. Based on your reading of the passage, examine in about 40 words how Sustainable Development Goals can be achieved. (2)

- iv. What is the tone of the writer in the given line from paragraph 4? Rationalise your response in about 40 words: (2)
"Cultural diversity is an asset."

- v. The phrase 'bridging the gap' in paragraph (4) refers to: (1)

- (a) widening the differences
- (b) connecting two desperate ideas
- (c) supporting the bridging
- (d) filling in the space between two connected things

vi. In sets A-E below, identify two sets of synonyms. (1)

- A. richness and poverty
- B. intellectual and moral
- C. reduction and promotion
- D. essential and intrinsic
- E. dire and crucial

Options:

- (a) A and C
- (b) B and E
- (c) D and E
- (d) B and D

vii. Complete the sentence appropriately: (1)

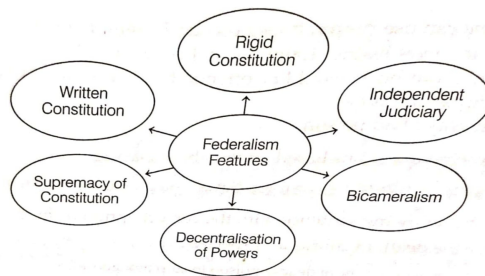
The Second Committee of UN General Assembly in 2015 adopted _____.

viii. Complete the following sentence: (1)

_____ is urgent and necessary for peace, stability and development.

2. Read the extract given below:

1. Federalism in India is a complex system of governance characterised by the division of powers between the Central Government and the states. The roots of federalism in India can be traced back to the colonial era when the British Raj implemented a centralised administrative structure. However, the demand for greater autonomy by regional leaders and the diversity of India's cultural, linguistic, and geographical landscape necessitated a shift towards a federal system after independence in 1947.
2. The Constitution of India, adopted in 1950, enshrines federal principles by delineating powers between the Union Government and the states in the Seventh Schedule. Key features include a dual polity, with both the Union and states having their spheres of authority, as well as mechanisms for resolving disputes through the judiciary and intergovernmental forums.



3. Despite its federal structure, Indian federalism faces several challenges. One major issue is the asymmetrical distribution of powers, with the Union Government wielding greater authority in certain areas, leading to tensions between the centre and states. Additionally, fiscal federalism remains a contentious issue, with states clamoring for greater financial autonomy and a fairer allocation of resources.
4. In conclusion, the case study highlights the dynamic nature of federalism in India, shaped by historical legacies, constitutional provisions, and ongoing debates. While federalism serves as a cornerstone of India's democratic governance, addressing its challenges requires continual dialogue, cooperation, and adaptation to ensure a more equitable and responsive system of governance.

Answer the following questions based on your reading of the above passage,

- (i) What historical era influenced the initial centralised administrative structure in India's federal system? (1)
(a) The Mughal Empire
(b) The British Raj
(c) The Gupta Dynasty
(d) The Maurya Empire
- (ii) Select the option that is true for the Assertion and Reason given below. (1)
Assertion: The roots of the Indian federalism can be traced back to British Colonial Era.
Reason: The demand for greater autonomy by regional leaders contributed to federal structure.
(a) Both Assertion and Reason are true, and the Reason is the correct explanation of the Assertion.
(b) Both Assertion and Reason are true, but the Reason is not the correct explanation of the Assertion.
(c) The Assertion is true, but the Reason is false.
(d) The Assertion is false, but the Reason is true.
- (iii) Mention any two features of federalism. (1)
- (iv) What is the writer referring to by the phrase 'dual polity'? (1)
- (v) After reading the passage, give a brief description of "asymmetrical distribution of powers" (2)
- (vi) Complete the following sentence with correct facts from Paragraph 2. (1)
The Constitution of India delineates the powers between the Union Government and the states in -----.
- (vii) Complete the following with a suitable reason. (1)
Fiscal federalism remains contentious issue because ----- .
- (viii) How does India's diverse cultural, linguistic and geographical landscape influence its federal structure? (2)

SECTION B- GRAMMAR

3. Complete ANY TEN of twelve of the following tasks, as directed. (1×10=10)

1. Fill in the blank by using the correct form of the word in the bracket, for the given portion of a letter:

Dear Madam

This is with reference to posters _____ (bear) the message of 'crash diet' being posted around our school premises.

2. Identify the error in the given sentence and supply the correction:

The dog has eaten his food before the trainer arrived.

Use the given format for your response:

Error	Correction

3. Read the conversation between a nurse and a patient.

Complete the sentence by reporting the reply correctly.

Nurse: Has the wound started to heal?

Patient: No, it is still bleeding.

The nurse while trying to find out how the patient was feeling, asked whether the wound had started to heal to which the patient replied _____.

4. Choose the correct reported speech of the given sentence:

"Go to the blackboard," said the teacher.

(a) The teacher ordered me to went to the blackboard.

(b) The teacher said to me to go to the blackboard.

(c) The teacher orders me to go to the blackboard.

(d) The teacher ordered me to go to the blackboard.

5. Fill in the blank by choosing the correct option.

She was _____(never/ neither / either) ready for the interview nor wanted to take the job.

6. Identify the error in the statement given below and supply the correction. Use the given format for your response.

Water was vital to human health and fitness.

Error	Correction

7. Select the option that identifies the error and supplies the correction for the following line, from a news report:

Two children died after a massive fire breaks out in a newly constructed hospital building in Andhra Pradesh.

Option no.	Error	Correction
A	children	child
B	a	the
C	breaks	broke
D	in	at

8. As my son_____ down by the river, I _____ his room thoroughly.

(a) fishes / have cleaned

(b) is fishing/cleaned

(c) has fished/clean

(d) was fishing/cleaned

9. Bela shared some information about her visit to her grandmother with Malini. Report Malini's question.

Is your grandmother feeling better now?

10. Change the given sentence into Indirect Speech.

He said, "Why didn't you send your application to me?"

11. Complete the line from a self-awareness song, by filling the blank with the correct option.

Long, Long afterward in an oak

I _____ the arrow still unbroke.

- (a) found
- (b) find
- (c) had found
- (d) have found

12. Identify the error and supply the correction, for the following:

Government of Haryana
WORLD ENVIRONMENT DAY
'Nagar Van' are being established for the objective to make the cities pollution free

Use the given format for your response.

Error	Correction

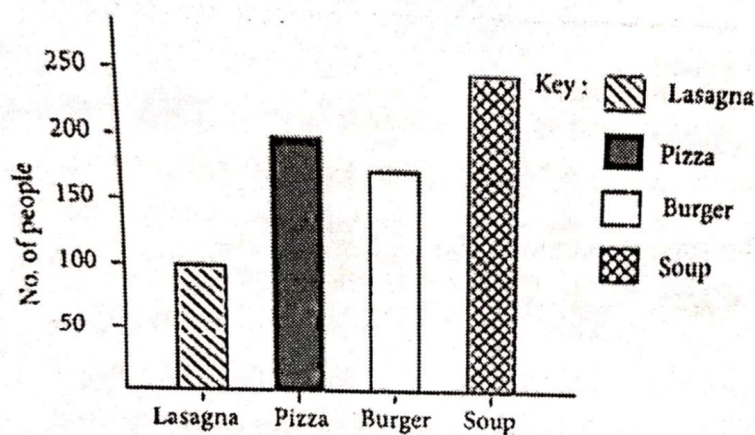
SECTION B CREATIVE WRITING SKILLS

4. A. You are Radha/Raghu, C-15, Mayur Vihar, Delhi. Write a letter in 100-120 words to the Editor of a newspaper on the consequences of climatic changes due to various man-made reasons. (5)

OR

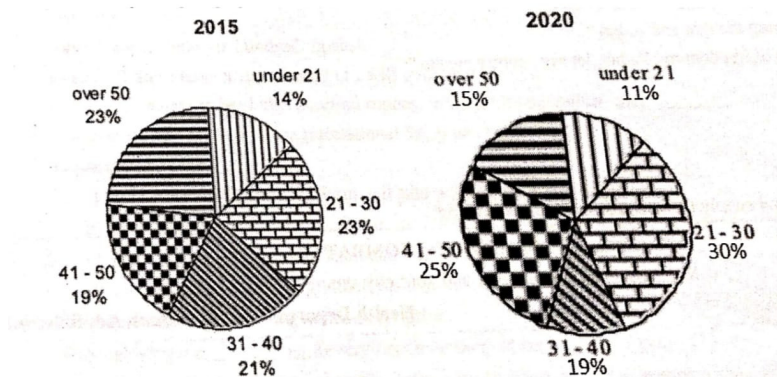
- B. You are Vaibhavi Sinha, examination in-charge, Goodway Public School, Aurobindo Road, Indore. You require 4 reams of white paper, 2 packets of carbon paper, one dozen registers, blue and red ballpoint pens (50 each). Place an order with Sunrise Stationery Mart, 12 Mall Road, Indore mentioning terms of payment, discount asked by you and delivery date. (100-120 words)

5. A. The given bar graph shows the most preferred choices of customers of a famous restaurant about savoury dishes. Analyse the given data and write an analytical paragraph in about 100-120 words. (5)



OR

- B. The pie charts below show the proportion of staff employed by age in the public sector in the UK in 2015 and 2020. Write an analytical paragraph in about 100- 120 words.



SECTION C- LITERATURE

6. Read the given extracts and answer the questions for ANY ONE of the two, given.

A. "You are disappointed", Ausable said wheezily over his shoulder. "You were told that I was a secret agent, a spy, dealing in espionage and danger. You wished to meet me because you are a writer, young and romantic. You envisioned mysterious figures in the night, the crack of pistols, drugs in the wine."

- What makes Ausable comment to Fowler "You are disappointed"? (1)
- Why did 'he' want to meet Ausable? (2)
- Find out the literary device used in the last line of the above extract. (1)
 - Metaphar
 - Imagery
 - Transferred Epithet
 - Personification
- What is the meaning of the word Espionage? (1)
 - Finding out secret information
 - Dealing with careless behaviour
 - Ignorant about certain things
 - Dealing indifferently

OR

B. The house-the only one in the entire valley sat on the crest of a low hill. From this height, one could see the river and the field of ripe corn dotted with the flowers that always promised a good harvest. The only thing the earth needed was a downpour or at least a shower. Throughout the morning Lencho-who knew his fields intimately had done nothing else but see the sky towards the north-east, "Now we're really going to get some water, woman." The woman who was preparing supper, replied, "Yes, God willing"

- What is the significance of the location of Lencho's house? Answer in about 40 words. (2)

ii. Complete the sentence with the appropriate option.

The field belonged to Lencho and he had the utmost confidence that the harvest would_____.

(1)

- (a) not gain any profit
- (b) reap some profit
- (c) give moderate sale
- (d) reap great profits

iii. Identify the word in the passage that means the same as "heavy fall of rain"

(1)

iv. State any one inference about Lencho from the given context:

Throughout the morning Lencho-who knew his fields intimately had done nothing else but see the sky towards the north-east, "Now we're really going to get some water, woman."

(1)

7. Read the given extracts and answer the questions for ANY ONE of the two, given.

A. *I sit inside, doors open to the verandah*

Writing long letters

*In which I scarcely mention the departure
of the forest from the house.*

*The night is fresh, the whole moon shines
in a sky still open*

the smell of leaves and lichen

still reaches like a voice into the rooms.

i. Identify the example that uses the same figure of speech which is used in the last two lines of the poem. (1)

- (a) She's got a heart of gold.
- (b) The storm clouds angrily gathered.
- (c) The builders were working at a dizzy height.
- (d) Those two are as different as night and day.

ii. Why doesn't the poet mention the departure of the forest from her house in her letters? (2)

iii. The extract uses 'open' twice, suggesting different meanings. Write the correct meanings with reference to the extract. (1)

iv. Choose the option that **DOES NOT** state the meaning of the underlined word. (1)

'I scarcely mention...'

- (a) tactfully
- (b) hardly
- (c) barely
- (d) minimally

OR

B. *Suddenly, suddenly they heard a nasty sound,*

And Mustard growled, and they all looked around.

Meowch! cried Ink, and ooh! cried Belinda,

For there was a pirate, climbing in the winda.

i. What can you infer from the repetition 'suddenly, suddenly' in the above extract? (1)

- (a) There was an immediate change in the scene.
- (b) It focuses on the hasty attack and the loud noise.
- (c) It emphasises that an unexpected noise was heard.
- (d) It draws our attention to the loud cry that occurred.

ii. What did Mustard do when he heard a nasty sound? (1)

iii. Fill in the blank with one word.

The rhyming scheme of the lines _____. (1)

iv. The poet could have included a burglar or an intruder in the poem, but chose to include a pirate. Explain this choice. (2)

8. Answer **ANY FOUR** of the following five questions, in about 40-50 words. (4×3=12)

i. Both Amanda and The Ball Poem explore the journey of young people as they face restrictions and losses. How do Amanda and the boy deal with their emotions in different ways?

ii. "Frost's style becomes straightforward yet profound with his use of nature as a metaphor for human emotions and philosophical concepts." Justify this statement about Robert Frost with reference to both the poems Dust of snow and Fire and Ice .

iii. "Not from weeping nor grieving will anyone obtain peace of mind."
Reflect on this quote and discuss how emotional resilience is central to the Buddha's teachings.

iv. "Writing is a form of therapy."
Explain how keeping a diary helped Anne cope with the loneliness she experienced.

v. The Proposal humorously critiques the tradition of marriage as a business arrangement. How does Chekhov use satire to highlight flaws in this tradition?

9. Answer **ANY TWO** of the following three questions, in about 40-50 words. (2×3=6)

i. After Tricky returns home healthier and fitter, Mrs. Pumphrey is thrilled, but she doesn't fully understand the importance of maintaining his new routine for his continued health. Imagine you are Dr. Herriot and advise Mrs Pumphery on what is the importance of discipline in caring for pets and how it reflects genuine love and responsibility.

ii. Bholi rejects Bishamber's proposal, defying the societal expectation that women must accept marriage at any cost. How does this act challenge traditional views on marriage and dowry?

iii. Telling a lie is a sin and killing someone is a crime. Why then did Ausable tell lies more than once and killed Max?

10. Answer **ANY ONE** of the following two questions, in about 100-120 words. (6)

A. Read the extracts given below and comment on the difference in the nature of help both the characters, of these two stories, received.

Statement 1: Suddenly I came out of the clouds and saw two straight lines of lights in front of me. It was a runway! An airport! I was safe! I turned to look for my friend in the black aeroplane but the sky was empty. [The Black Aeroplane]

Statement 2: All through the night Lencho thought only of his one hope: the help of God...The following Sunday, at daybreak he began to write a letter...It was nothing less than a letter to God...The following Sunday Lencho came a bit earlier than usual to ask if there was a letter for him..... Lencho showed not the slightest surprise on seeing the money, such was his confidence. [A Letter to God]

OR

- B.** Mijbil and the Tiger, both were looked after by humans. Assume they both meet each other in the zoo and have a conversation about their lifestyle and feelings. Write this conversation as per your understanding of Mijbil the Otter and the Tiger in the Zoo. You may begin like this

Tiger: Thanks for visiting me, though I don't usually like visitors.

Mijbil: Oh? I would love visitors, I think... ..

- 11. Answer ANY ONE of the following two questions, in about 100-120 words. (6)**

- A.** Imagine you are Richard. You have been invited by Mr. Weiherer to deliver a short address to the students at your erstwhile school. You have been asked to encourage them to take an interest in the study of Science and how research in Science can help the world. Write that short speech.

OR

- B.** In The Thief's Story, Hari Singh's character undergoes a subtle yet profound transformation as he wrestles with his instincts as a thief and his growing trust in Anil. Analyze how Hari's internal conflict between loyalty and self-interest reveals deeper insights into human nature. Compare Hari's character evolution with Horace Danby's character and highlight how they face a similar struggle between personal gain and moral growth. How does each character's journey enhance the story's message about trust and identity?
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DELHI PUBLIC SCHOOL

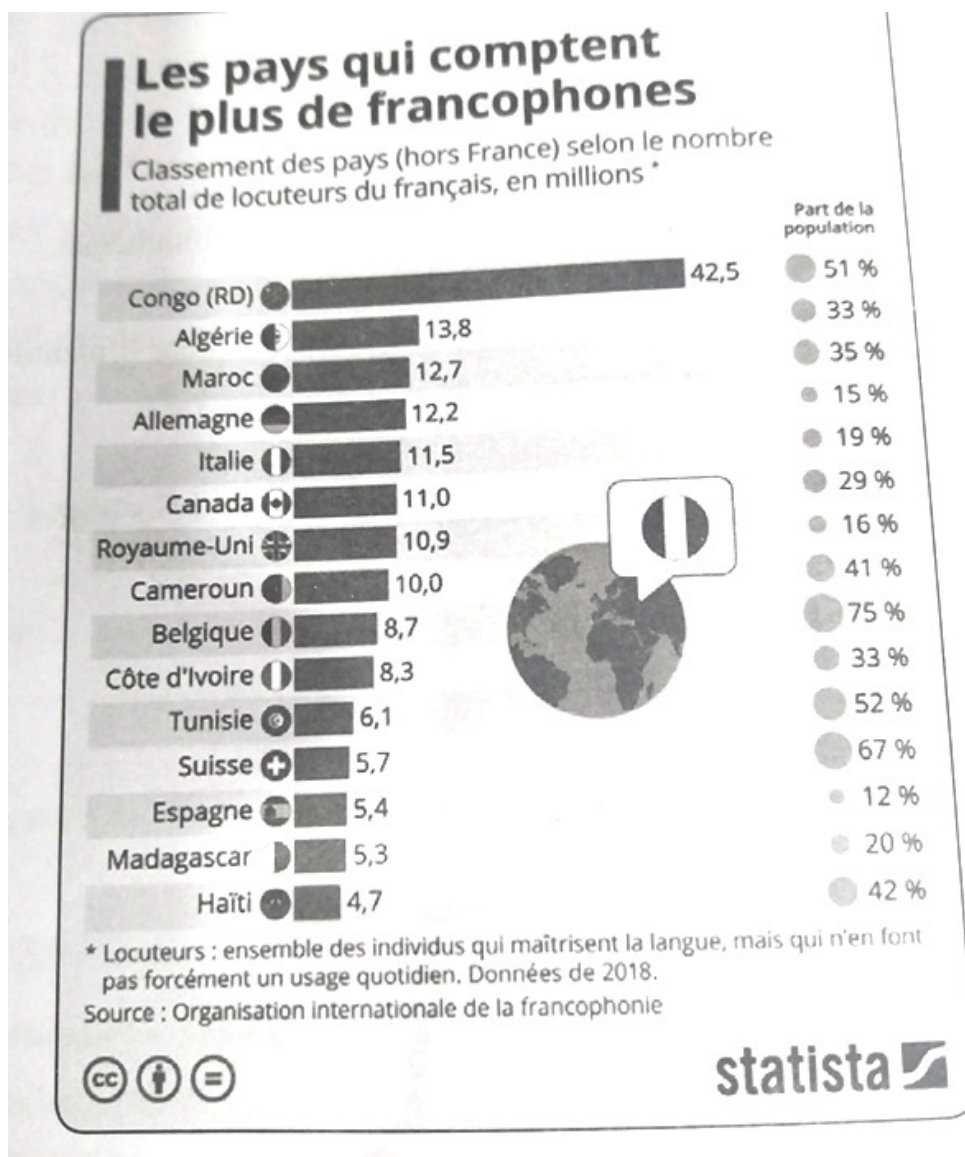
SAIL TOWNSHIP, RANCHI

PRE BOARD - I (2024-25)

Class - X
Time - 3 Hours

Subject - French
Maximum Marks- 80

Section - A



Le 20 mars marque la Journée internationale de la Francophonie. L'occasion de se pencher sur la pratique de la langue de Molière à travers le monde. Cinquième langue mondiale par le nombre total de ses locuteurs après le mandarin, l'anglais, l'espagnol et l'arabe, la langue française est la seule, avec l'anglais, à être présente sur les 5 continents du globe. Selon les dernières données disponibles de l'Organisation internationale de la

francophonie, on estime qu'environ 300 millions de personnes sont capables de s'exprimer en français dans la monde, dont un peu plus de 230 millions de locuteurs quotidiens, et le français est une langue officielle dans 29 pays.

Comme l'illustre notre graphique, la langue française est particulièrement présente en Afrique où se concentre près de la moitié des francophones de la planète. Le Congo, l'Algérie et le Maroc sont les trois pays (hors France) qui en comptent le plus. A eux trois, ils réunissaient autour de 69 millions de francophones en 2018,

soit déjà plus que dans l'Hexagone et ses territoires d'Outre-mer (67 millions). Le français est également beaucoup appris chez nos voisins européens et pratiqué par de nombreux frontaliers. Ainsi, l'Allemagne l'Italie comptent au total plus de locuteurs de langue française que des pays où elle est une langue officielle, comme la Belgique, le Canada ou la Suisse, même si ces derniers ont une proportion de francophones ramenée à la population plus importante et que la pratique quotidienne y est plus répandue.

1. Répondez aux questions suivantes : (2 aux choix) [4]

- 1) Selon les dernières données disponibles de l'organisation internationale de la francophonie, combien de personnes sont capables de s'exprimer en français dans le monde ?
- 2) Selon l'image, dans quelles régions du monde la langue française est particulièrement présente ?
- 3) Selon les chiffres de 2018, combien de francophones sont présents dans les pays de l'Afrique ?

2. Écrivez vrai ou faux : [3]

- 1) Le 20 mars marque la journée internationale de la francophonie.
- 2) La langue française est la cinquième langue mondiale par le nombre total de ses locuteurs.
- 3) Le français est présent seulement sur 4 continents.
- 4) Les pays de l'Afrique ont réunis autour de 69 millions de francophones en 2018.
- 5) L'Allemagne et l'Italie comptent moins de locuteurs de langue française que des pays où elle est une langue officielle.
- 6) La pratique quotidienne de la langue française est plus répandue dans les pays où elle est une langue officielle.

3. Trouvez dans le texte : (3 aux choix) [3]

- 1) La forme nominale de pratiquer.
- 2) Une conjonction
- 3) Le contraire de pas encore.
- 4) Un autre mot pour Trop
- 5) La forme nominale de la compte
- 6) Une préposition

Section - B (writing - 20 M)

1. Écrivez une lettre [10]

- a) Écrivez une lettre à votre ami (e) décrivant votre nouveau boulot. (80 mots)

OU

- b) Écrivez une lettre à votre cousin/ cousine dire ce qu'il/elle peut faire, pour protéger l'environnement.

OU

- c) Écrivez à votre ami(e) français(e) et expliquez lui ce que vous ferez après le bac. Partagez vos projets d'avenir.

2. Fait DEUX des questions suivantes :

- a) Nathalie veut inviter son amie sandrine pour son anniversaire. Rédiger un message d'invitation à sandrine de la part de nathalie. [5]

OU

- b) Mettez le dialogue dans le bon ordre : [5]
- 1) Ça faut 20 euro au total.
 - 2) Non, je vuex aussi un demi kilo de haricots verts et un bon chou. Ça fait combien ?
 - 3) Bonjour, monsieur. Que voulez-vous aujourd'hui ?
 - 4) Au revoir et bonne journée
 - 5) Voici l'argent. Au revoir.
 - 6) C'est tout ?
 - 7) Je voudrais 1 kilo de tomates et 1 kilo de pommes de terre.

OU

- c) Completez le texte en utilisant les mots donnés : [5]
(cathédrales, villé, Dijon, beaucoup, européennes, grand, découpent, raconter, renaissance, Notre- dame) _____ était un endroit de la richesse et de la puissance énorme et l'un des grands centres européens de l'art , de l'étude et de la science. Il ya un _____ nombre d'églises et de européens de l'art , de l'étude et de la science. Il ya un _____ nombre d'églises et de _____. Il ya _____ de musées dans la _____. Il contient des cuisines ducal qui _____ au mi- 1400 et une collection de peintures _____ de la _____ un autre est un _____ curieux d'un petit hibou << La chouette >> sur l'église de _____.

Section - c (Grammar- 30 Marks)

1. Mettez aux temps qui conviennent : [5]

- 1) _____ (Venir) - vous me voir la semaine prochaine.
- 2) Dès que nous _____ (compléter) les études , nous chercherons un travail.
- 3) Quand ils sont rentrés, il bonne _____ (déjà mettre) le couvert.
- 4) Je suis content que vous _____ (apprendre) le français.
- 5) Il faut que tu _____ (manger) bien
- 6) Ça suffut que la fille (faire) la vaisselle.
- 7) Je (partir) à l'aube hier.

2. A. Reliez les phrases avec les pronoms relatifs simples ou composés : [5]

- 1) Marianne a une robe bleue. Je l'aime beaucoup.
- 2) La table est cassée. Il a placé son portable sur la table.
- 3) Pauline a finalement acheté le livre. Elle en avait besion.
- 4) Voila les sacs. Ils sont mis toutes leurs affaires dans ces sacs.
- 5) Je suis allé à paris. J'y ai vu plusieurs monuments historiques.

OU

B. Remplacez les noms soulignés par les pronoms personnels : [5]

- 1) Vous allez souvent au concert avec vos amis.
- 2) Va au bureau !
- 3) Elle m'envoie une carte postale.
- 4) Il achète une bague pour ma mère.
- 5) J'accompagne ma mère au marché.

3. Mettez au subjonctif :

[5]

- 1) Il est probable que la réunion _____ (être) annulée.
- 2) Je préfère que vous _____ (manger) chez moi ce soir.
- 3) Il est possible que vous _____ (avoir) besoin.
- 4) Il est essentiel que tu _____ (trouver) une solution à ce problème.
- 5) Il est important que les enfant _____ (apprendre) à hager.
- 6) Il veut que tu (aller)
- 7) Je veux que le médecin (venir)

4. A. Mettez au négatif :

[5]

- 1) J'aime le glace et le chocolat.
- 2) Tout le monde est parti
- 3) Il ya des tartes.
- 4) Je veux le crayon et le stylo.
- 5) J'aime entendu quelquechuse.

OU

B. Trouvez la questions :

[5]

- 1) Elle pèse 65 kilos.
- 2) Parce que je suis malade.
- 3) Il fait très chaud au kenya.
- 4) J'ai choisi le blanc.
- 5) Je regarde le télé.

5. Mettez au discours direct ou indirect:

[5]

- 1) Elle me dit<< j'ai beaucoup d'amis>>
- 2) Avni demande à sanath s'il part demain.
- 3) Jean lui dit < n'y vas pas seul ! >
- 4) Anne demande à sarang comment il va.
- 5) Il veux demande <veux tu une glace ? >
- 6) Elle dit < il fait chaud >
- 7) Ils nous demandent < est ce que vous pourrez aller avec nous ? >

6. A. Completez avec adjectif et pronom possesif :

[5]

- 1) Maurine a écrit à _____ cousin et tu as ecrit _____
- 2) _____ appartement est bel que _____
- 3) Voici _____ cahier . Savez - vous où sont ?
- 4) Nous ferons _____ devoir chez nous, où feront - ils _____
- 5) J'attend _____ voiture , attend tu aussi _____ ?

OU

B. Completez avec adjectif demonstratif ou pronoms demonstratif :

[5]

- 1) _____ poupée est plus jolie que _____
- 2) _____ chocolat - ci est plus savoureux que _____
- 3) _____ films est sont plus divertissent que _____
- 4) _____ musique est plus rhymée que _____
- 5) _____ basket -ci sont plus légères que _____

Literature (20 marks)

1. Répondez aux questions suivants: (5 au choix)

[10]

- a) Qui nomme le Premier ministre en France ?
- b) Que doit-on faire pour l'avenir de l'humanité ?
- c) Qui élit le Président français ?
- d) Quelles sont les différentes parties d'un C.V. ?
- e) Où est le siège de l'Assemblée nationale ?
- f) Quand peut-on entrer à l'université en France ?
- g) Qui a créé le festival d'Avignon ?

2. Complétez : : (5 au choix)

[5]

- 1) Ses yeux sont rouges, elle a passé une nuit _____
- 2) On peut acheter des stylos à _____
- 3) On fête la journée mondiale de la diversité culturelle le _____
- 4) Le _____ est un lieu où l'on représente une pièce.
- 5) TGV est le _____
- 6) _____ est une chaîne culturelle.
- 7) Tous les goûts sont dans la _____

3. A. Dites vrai ou faux :

[5]

- 1) ARTE est une chaîne culturelle.
- 2) Bonifacio se trouve au nord de la Corse.
- 3) Il n'y a pas une pyramide devant le Louvre.
- 4) La diversité culturelle est un droit humain fondamental.
- 5) Le Monde est un journal français.

OU

B. Reliez les phrases:

- | | |
|---------------------------|----------------------|
| 1) Renard et les Raisins. | A) chaîne culturelle |
| 2) Panchatantra. | B) saint Expéres |
| 3) Petit Prince. | C) La fontaine |
| 4) ARTE. | D) petites histoires |
| 5) Fable. | E) Vishnu Sharma |



DELHI PUBLIC SCHOOL

SAIL TOWNSHIP, RANCHI

PRE BOARD - I (2024-25)

Class - X
Time - 3 Hours

Subject - German
Maximum Marks- 80

	General Instructions: • This paper is divided into 4 sections. • Read the instructions carefully and attempt only the required number of questions where internal choices are given.	
I.	Lies den Text und beantworte die Fragen. Camping Urlaub Camping in Deutschland ist eine beliebte Art, den Urlaub zu verbringen. Es gibt mehr als 2000 Campingplätze überall in Deutschland. Besonders beliebt sind Orte am Meer oder an einem See. Im Süden verbringen die Menschen ihre Ferien auf einem Campingplatz um in den Bergen wandern zu gehen. Viele Deutsche besuchen auch Campingplätze in anderen Ländern. Es gibt viele Arten des Campings. Manche haben einen Wohnwagen, der von ihnen gezogen wird. Einige kommen auch mit einem Wohnmobil, andere mit einem Kleinbus, in dem man schlafen kann oder neben dem Man ein Zelt aufstellt. Es gibt auch viele Camper, die immer auf den gleichen Platz fahren und dort einen Dauerstellplatz“ haben. Das heißt, dass sie ihre Wohnwagen für mehrere Monate dort stehen haben und die Oster-Pfingsten Sommerferien dort verbringen. Weil einige kein Auto haben, verreisen sie immer mit Rucksäcken und ihren Zelten. Sie bleiben zwei oder drei Wochen auf demselben Campingplatz und unternehmen von dort aus Wanderungen. Viele Familien gehen campen, weil es eine günstige Alternative zu einem Urlaub im Hotel oder in einem Ferienhaus ist. Allerdings hat sich das in den letzten Jahren etwas verändert. Manche Campingplätze werden immer teuer und sind oft sehr groß und sehr voll. Deshalb suchen viele nach kleinen Campingplätzen, die einfach und günstig sind und auf denen, es nur wenige Wohnwagen gibt. Leute möchten gern an Orten zelten, wo sie das Gefühl haben, fast in der freien Natur zu sein. Auf den Komfort des Alltags verzichten sie gerne. Ihnen ist es wichtiger, Wanderungen in der Natur zu unternehmen. Fragen: 1. Welche Orte sind für Camping beliebt? 2. Wozu campen die Deutschen gern im Süden? 3. Was für Arten des Campings gibt es in Deutschland? Nenne vier 4. Warum gehen viele Familien heutzutage zum Campen? Nenne zwei Gründe. 5. Was kann man während des Campingurlaubs machen? Worauf muss man verzichten?	2x5=10

II.**TEXT 2 –Text A oder Text B****Lies den Text A oder Text B und mach die folgenden Aufgaben.****TEXT A**

Die Geschichte der Schokolade: Kakao nutzen die Menschen in Mittelamerika schon seit über 3000 Jahren. Die Azteken kochten ab dem 4. Jahrhundert Schokolade: Sie vermischten Kakaobohnen mit Wasser und nannten das Getränk, xocoatl, „bitteres Wasser“, denn sie taten viel scharfen Pfeffer und Chili in ihre Trinkschokolade. Spanische Seefahrer brachten die Kakaobohne im 16. Jahrhundert nach Europa. Hier mixte man statt Pfeffer und Chili Zucker in die Schokolade. Süß schmeckte sie den Europäern besser. Schokolade war aber sehr teuer und nur reiche Leute konnten sie kaufen. Dann lernte der junge Schweizer François-Louis Cailler in Italien das Schokoladenhandwerk. Er kam in die Schweiz zurück und baute 1819 eine Schokoladenfabrik. Er produzierte die Schokolade nicht mehr in Handarbeit, sondern mit schnellen Maschinen. Die Schokolade wurde darum billiger und alle Menschen konnten sie sich leisten. François-Louis Cailler hat auch die Schokoladentafel erfunden, so wie wir sie heute kennen. Die leckere Schweizer Schokolade ist die berühmteste Schokolade der Welt. In der Schweiz wie auf der ganzen Welt macht man sie aus Kakaobohnen, Zucker und anderen Zutaten, je nach Schokoladenart zum Beispiel Vanille, Nüssen, Rosinen, Marzipan.

Fragen:

1. Was machten die Azteken mit Kakao? Welche Zutaten nutzten sie noch dafür?
2. Wer brachte die Kakaobohnen nach Europa? Wie schmeckte es den Europäern?
3. Wer hat die erste Schokoladenfabrik gegründet? Wann?
4. Warum wurde die Schokolade 1819 billiger?
5. Welche Zutaten benutzt man außer Kakao bohnen für Schweizer Schokolade? Nenne 4.

TEXT B***Das ist Stefanie***

Stefanie ist eine gutaussehende 18-jährige Schülerin. Ab und zu jobbt sie als Model für eine Agentur, die Modekataloge macht. „Das finde ich toll und es macht mir Spaß. Ich mag diesen Job, denn man kann reisen und man lernt dabei viele interessante Leute kennen.“ Nach der Schule möchte Stefanie noch einige Zeit als Model arbeiten. Aber sie weiß, dass Schule und Studium wichtiger sind als gutes Aussehen. Später möchte sie Tierärztin werden, sie liebt Tiere! In ihrer Freizeit zieht sie ganz normale Klamotten an, sie geht in Jeans und T-Shirt ins Kino oder in die Disko. Auf das Gewicht muss Stefanie nicht achten. Sie isst gern Spaghetti, Pizza, Pommes frites und Schokolade. Und die Freunde? „Die finden mich ganz normal, auch wenn ich Model bin. Am Anfang gab es manchmal hässliche Bemerkungen. Viele Mädchen waren neidisch. Aber ich glaube, dass ich meine Persönlichkeit und meinen Charakter nicht verändert habe.“ Anne, Stefanies Freundin, sagt: „Ich finde es wichtig, dass Stefanie trotz ihres Erfolgs als Model genauso nett wie früher ist. Sie ist gar nicht eingebildet

1x5=5

	oder arrogant. Und das gefällt mir an Stefanie." Fragen: 1. Wer ist Stefanie und was macht sie, um Geld zu verdienen? 2. Wie findet sie den Job? Warum? 3. Möchte sie nach der Schule weiter studieren? Warum? 4. Was macht sie in ihrer Freizeit? Was für Klamotten trägt sie? 5. Welches Problem hatte sie am Anfang des Jobs? Warum?	1x5=5
III	SECTION - B: SCHREIBEN E-Mail schreiben: Mach Aufgabe A oder B: Aufgabe: A Du findest den folgenden Zettel am Schwarzbrett deiner Schule. Wer hat mein Mäppchen gefunden? Ich finde mein Mäppchen nicht mehr! Drinnen sind mein Handy, meine Schreibsachen und mein Schlüssel. Ich habe es in der Kantine vergessen. Es ist rot und gelb. Darauf steht die Schrift „University“. Ich brauche es dringend!! Wenn du es gefunden hast, bitte melde dich an. Schreib mir einfach eine E-Mail: florian.k@yahoo.de Marion Küppers Du hast das Mäppchen in der Kantine gefunden. Schreib Florian eine Antwort. Benutze die folgenden Punkte. Schreibe 1-2 Sätze zu jedem Punkt: • Schreib, wann und wo du es gefunden hast. • Schreib, dass du das Mäppchen zurückgeben willst • Warum konntest du nicht früher anmelden? • Wann und wo kannst du ihn treffen? ODER Aufgabe: B Letzte Woche hast du Geburtstag und du hast eine Party gemacht, Du hast sehr viel Spaß mit deinen Freunden und deiner Familie gehabt. Schreib eine E-Mail an deinen Freund/ deine Freundin und erzähl von deinem Geburtstag! Schreib etwas zu den folgenden Punkten: • Wann hast du Geburtstag? • Wo und wie hast du gefeiert? • Was hast du alles gemacht? • Essen und Getränke?	5
IV	Schreib einen Dialog. Mach Aufgabe A oder B:	5

	Aufgabe A Dein Freund Joachim hat in der letzten Zeit ein Paar Kilos zugenommen. Er will fit bleiben. Deswegen will er Sport treiben. Er bittet dich, beim Sport mitzumachen. Du hast aber nur am Wochenende Zeit. Er muss auch auf seine Ernährung achten. Was darf er essen oder nicht essen? Welche Vorschläge gibst du ihm? Was sagst du? Was sagt er? Schreib dazu einen Dialog. oder Aufgabe B Deine Freundin Lena lernt seit 2 Jahren Deutsch in der Schule, aber sie hat immer Probleme beim Lernen. Ihre Noten sind nicht gut und sie hat Ärger mit den Eltern. Sie fragt dich, was sie machen soll. Welche Vorschläge gibst du ihr? Was sagt sie? Was sagst du? Schreib einen Dialog.	
	SECTION - C: GRAMMATIK	
V	Schreib den Text im Präteritum um. Alex und Gina suchen eine neue Wohnung in Köln. Die alte Wohnung ist leider sehr teuer. Sie lesen jeden Tag zusammen die Anzeigen und Alex fragt seine Kollegen danach. Gina will gerne eine Wohnung mit Balkon. Allerdings muss die Wohnung nicht direkt im Zentrum sein. Stefanie kommt nach Hause. Niemand ist da. Sie hat Hunger und muss selbst etwas kochen. Um 15 Uhr ruft sie ihre Freundin Anetta an, weil sie mit jemandem sprechen will.	8
VI	Ergänze die Adjektivendungen: Gestern war ich bei Elisa zum Geburtstag eingeladen. Es war eine toll_____ (1) Party und ich habe viele interessant _____ (2) Leute kennengelernt. Elisa mag gern verrückte Leute. Manche habe ich gar nicht gekannt. Ein Mädchen war ganz verrückt angezogen. Über die gestreift _____ (3) Jeans hatte sie ein gelb _____ (4) Kleid an und auf ihrem Kopf war ein rot _____ (5) Hut. Naja, Geschmackssache! Und da war ein Junge. Dort geht ein alt ____ (6) Mann über die Straße. Letzt ____ (7) Monat war ich in Frankreich. Der klein ____ (8) Hund spielt fröhlich im Garten.	1x8=8
VII	Ergänze mit den richtigen Präpositionen. Wähle a, b, c oder d aus. (attemptany 8) - Mein Hotel liegt direkt _____ Fluss. a. bei b. zu c. von d. am - Wo liegt meine Tasche? - Da, _____ dem Suhl. a. an b. in c. von d. unter - Mein Vater kommt heute _____ Hause zurück. a. zu b. von c. nach d. Bei	1x8=8

	4. Wo warst du am Wochenende? Ich war _____ meiner Oma. a. von b. zu c. nach d. bei 5. Gestern war ich nicht _____ der Schule. a. Nach b. in c. zu d. auf 6. Wir gehen heute _____ Stefanplatz. a. Auf den b. in den c. am d. zu 7. Jeden Tag stehst du eine halbe Stunde _____ dem Spiegel. a. Hinter b. neben c. vor d. in 8. Der Weg _____ den Park ist kürzer. a. Über b. um c. durch d. bei 9. _____ dem Park ist ein schöner Spielplatz. a. Über b. entlang c. vor d. gegenüber 10. Am Wochenende war Peter _____ seinen Großeltern. a. Bei b. von c. aus d. zu	
VIII	Setze das Relativpronomen ein: 1. Erzähl mir, in _____ der Geschichte passiert ist. 2. Das ist die Kirche, _____ wir heiraten werden. 3. Das Haus, in _____ ich aufgewachsen bin, steht immer noch. 4. Das Kind, auf _____ du aufpasst, ist sehr verspielt. 5. Die Leute, von _____ ich die Einladung bekommen habe, sind nett. 6. Das ist alles, _____ ich über das Thema weiß. 7. Die Stadt, in _____ ich lebe, hat viele Sehenswürdigkeiten. 8. Die Blumen, für _____ du dich interessierst, sind im Garten.	1x8=8
IX	Ergänze mit Positiv, Komparativ oder Superlativ der Adjektive. (Attemptany 4) Mein Onkel Hubert ist (1) _____ (alt) als mein Vater. Er ist fast 50 Jahre alt. Aber mein Vater ist (2) _____ (groß) als er und meine Tante Eva ist am (3) _____ (klein) in der Familie. Sie ist sehr klug und kann vier Fremdsprachen sprechen. Deutsch spricht sie (4) _____ (gut) als Onkel Hubert. Papa kann genauso (5) _____ (gut) Deutsch wie Tante Eva. Beide unterhalten sich oft miteinander in fließend Deutsch.	1x4=4
X	Ergänze die Sätze mit passenden Konjunktionen: (Any four) a. Stefan liegt im Krankenhaus. Er hat sich das Bein gebrochen. (weil) b. Der Arzt sagt. Er muss zwei Wochen im Bett bleiben. (dass) c. Er kann in die Schule gehen. Es geht ihm besser. (wenn) d. Er muss lange zu Hause bleiben. Er hat bald Prüfungen. (obwohl) e. Er ist nicht sicher. Er kann dieses Mal die Prüfungen schreiben. (ob)	1x4=4

	SECTION - D: KURSBUCH	
XI	Welches Wort passt? Ordne die Wörter zu. Deshalb - Gericht - wählt - anrufen - wünschen - Kantinenleiter - funktioniert - Schülerinnen - mitmachen - Fragenbogen EINLADUNG Liebe _____ (1) und Schüler, liebe Lehrerinnen und Lehrer, liebe Eltern! Unsere Schule _____ (2) einen neuen _____ (3). _____ (4) wollen wir am 14.5 und 15.5 jeweils um 13.00 Uhr ein Testessen machen. Dazu laden wir Schüler, Lehrer und Eltern ein. 12 Personen (vier aus jeder Gruppe) können _____ (5), die Teilnehmer bestimmt das los. Wir _____ (6) allen viel Glück! Und so _____ (7) unsere Testessen: Jeder Teilnehmer probiert jedes _____ (8), danach füllt sie/er einen _____ (9) aus, Interessiert? Dann gleich anmelden unter: www.gbs.de/testessen oder einfach _____ (10) unter 0221 51246373. Anmeldeschluss: 10.5 Guten Appetit! Rosemarie Gassner	0.5X10=5
XII	Lies die zwei Texte und wähle einen Text aus. Löse die Aufgaben zu dem Text. (Attempt the questions for any ONE text) TextA Tagen - Internet - lernen - neue - dass - Schule anstrengend - Wörter - Englisch - Sprachlehrerin Toki Pona- eine total einfache Sprache Deutsch, _____ (1) oder eine andere Sprache ,die man in der _____ (2) lernt, kann man bestimmt nicht in 30 _____ (3) lernen. Deutsch hat mehr als 3000000 Wörter, Englisch noch mehr. Ungefähr 15000 _____ (4) benutzt ein deutscher Muttersprachler aktiv beim Schreiben und Sprechen. So viele Vokabeln kann man nicht in einem Monat _____ (5), nicht einmal in einem Jahr. Denn Vokabeln lernen ist ziemlich _____ (6). Es geht aber auch anders, behauptet Sonja Lang. Die _____ (7) und Übersetzerin aus Kanada ärgerte sich darüber, _____ (8) viele Sprachen so kompliziert sind und hat einfach eine _____ (9) Sprache erfunden, die sie 2001 im _____ (10) vorgestellt hat: Toki Pona.	0.5x10=5
	ODER Text B Toki Pona - eine total einfache Sprache Kann man eine neue Sprache in nur einem Monat lernen? Die Erfinderin von Toki Pona behauptet das. Deutsch, Englisch oder eine andere Sprache, die man in der Schule lernt, kann man bestimmt nicht in 30 Tagen lernen.	

Deutsch hat mehr als 300 000 Wörter, English noch mehr. Ungefähr 15000 Wörter benutzt ein deutscher Muttersprachler aktiv beim Schreiben und Sprechen. So viele Vokabeln kann man nicht in einem Monat lernen, nicht einmal in einem Jahr. Denn Vokabeln lernen ist ziemlich anstrengend. Es geht aber auch anderes, behauptet Sonja Lang. Sie ist Sprachlehrerin und Übersetzerin aus Kanada und ärgert sich darüber, dass viele Sprachen so kompliziert sind und hat eine neue Sprache erfunden, die sie 2001 im Internet vorgestellt hat: Toki Pona. Das Alphabet hat nur 14 Buchstaben und die Sprache besteht aus nur etwa 120 Wörter, die ihr Form auch nicht verändern. A. Beantworte die Fragen 1. Wer ist Sonja Lang? 2. Welche Sprache kann man nicht so schnell lernen? Warum? 3. Wie viele Wörter hat Deutsch? Wieviele Wörter hat Englisch? 4. Wie heißt die neue Sprache? Wer hat sie erfunden? 5. Warum hat die Person eine neue Sprache erfunden?	1x5=5
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DELHI PUBLIC SCHOOL

SAIL TOWNSHIP, RANCHI

PRE BOARD - I (2024-25)

Class - X
Time - 3 Hours

Subject - Hindi
Maximum Marks- 80

सामान्य निर्देश :-

- इस प्रश्न पत्र में चार खंड हैं— खंड 'क', खंड 'ख', खंड 'ग', और 'घ'।
- सभी खंडों के प्रश्नों के उत्तर लिखना अनिवार्य है।
- यथासंभव सभी खंडों के प्रश्नों के उत्तर क्रमशः लिखिए।

खंड—'क' (अपठित बोध)

प्रश्न 1. निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़कर इसके आधार पर बहुविकल्पी प्रश्नों / लघूत्तरात्मक प्रश्नों के उत्तर लिखिए – (1x3=3+2 x 2=4)

गंगा या भागीरथी भारतीय संस्कृति की यश – पताका है। यह महाराज भगीरथ के पूर्वजों का उद्धार करने के लिए स्वर्ग से पृथ्वी पर अवतरित हुई और भागीरथी कहलाई। उसके वेग को भगवान शिव ने अपने जटा जूट में धारण किया। गंगा ज्येष्ठ मास के शुक्ल पक्ष की दशमी तिथि को व्योमविहारिणी से धरती पर पाप – विमोचिनी बनकर उतरी थी। गंगा का अतीत अत्यंत गौरवपूर्ण रहा है। पिता हिमालय की गोद से निकलकर यह अनेक मैदानों को उर्वर बनाती, कई तीर्थों को महिमामंडित करती बंगाल की खाड़ी में समाहित हो जाती है। गंगा की प्रशंसा में अनेक रचनाएँ रची गई हैं। इसके किनारे कवियों, ऋषियों – मुनियों ने अपनी साधना के दीप जलाए हैं। गंगा का जल अपवित्रों को पवित्र करता है, मिट्टी को सोना बनाता है। देवताओं की पूजा को पूर्ण करता है और लाखों करोड़ों तृषितों की तृषा शांत करता है। लेकिन यही पावन गंगा अब सिसक रही है क्योंकि जिनका उद्धार उसने किया है, वे ही उसमें कूड़ा – कर्कट, दूषित जल और शवों को डालकर उसे दूषित कर रहे हैं। जिसके तट कभी मंत्रों की ध्वनियों से गूँजते थे, यज्ञों की ज्वाला से और पवित्र होते थे, वे ही अब उपेक्षित और निरादृत हो रहे हैं। शायद ही ईश्वर हमारी इस भूल को क्षमा कर पाए।

(i) भारतीय संस्कृति की यश – पताका किसे माना गया है? (1)

- (क) गंगा
(ख) यमुना
(ग) कावेरी
(घ) गोदावरी

(ii) किसके पूर्वजों का उद्धार करने के लिए गंगा स्वर्ग से पृथ्वी पर अवतरित हुई ? (1)

- (क) राजा दुष्यंत के
(ख) राजा भगीरथ के
(ग) राजा शांतनु के
(घ) राजा दशरथ के

(iii) गंगा के वेग को अपने जटा जूट में किसने धारण किया ? (1)

- (क) भगवान विष्णु ने
(ख) भगवान ब्रह्मा ने
(ग) भगवान शिव ने
(घ) भगवान परशुराम ने

(iv) पावन गंगा आज सिसक क्यों रही है? (2)

(v) गंगा का अतीत कैसा रहा है? (2)

प्रश्न 2. निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़कर इसके आधार पर बहुविकल्पी प्रश्नों / लघूत्तरात्मक प्रश्नों के उत्तर लिखिए :
(1x3=3+2 x 2=4)

प्रत्येक राष्ट्र के जीवन – निर्वाह के लिए यह आवश्यक है कि देश की प्राकृतिक संपत्ति की रक्षा की जाए। देश की कृषि, देश की खानों की पैदावार तथा देश की दस्तकारी की रक्षा किए बिना, उनकी उन्नति किए बिना किसी भी देश के बच्चों का पालन करना सर्वथा कठिन है। हमें यह स्मरण रखना चाहिए कि राष्ट्रीय उन्नति के लिए देश की प्राकृतिक संपत्ति को बढ़ाने की अपेक्षा देश की मानसिक और नैतिक संपत्ति को बढ़ावा अधिक आवश्यक है। जो राष्ट्र अपनी नैतिक संपत्ति की उचित रक्षा करता है, केवल वही राष्ट्र सम्मान, उत्साह और स्वतंत्रता के साथ इस संसार में जीवित रह सकता है। राष्ट्र के बालक-बालिकाएँ राष्ट्र की मानसिक और नैतिक संपत्ति हैं। जो देश इस धन की उचित रक्षा नहीं करता है वह उन्नति के पथ से हटकर अवनति के गर्त में चला जाता है। उपर्युक्त संपत्तियों की रक्षा ठीक प्रकार से तभी हो सकती है जब हम अपने कर्तव्यों तथा अधिकारों को समझकर कर्तव्यों को पूरा करने और अधिकारों को प्राप्त करने के लिए कटिबद्ध हों। वस्तुतः किसी देश की प्राकृतिक संपत्ति की रक्षा तथा वृद्धि भी उस देश की नैतिक संपत्ति की रक्षा और वृद्धि पर ही निर्भर है।

- (1) राष्ट्र के जीवन – निर्वाह के लिए क्या आवश्यक है?
 - (क) प्राकृतिक संपत्ति की रक्षा
 - (ख) जीवन – निर्वाह का कोई भी तरीका
 - (ग) देश की सीमाओं की रक्षा
 - (घ) देशभक्ति की भावना
- (2) राष्ट्र की उन्नति के लिए लेखक ने क्या आवश्यक माना है?
 - (क) देश की कृषि
 - (ख) देश की दस्तकारी
 - (ग) देश की मानसिक और नैतिक संपत्ति को बढ़ाना
 - (घ) देश की प्राकृतिक संपत्ति को बढ़ाना
- (3) राष्ट्र की मानसिक एवं नैतिक संपत्ति कौन – सी है?
 - (क) लोगों की बौद्धिक क्षमता
 - (ख) लोगों की सोच
 - (ग) निर्वाह का तरीका
 - (घ) राष्ट्र के बालक और बालिकाएँ
- (4) किन कार्यों को किए बिना देश के बच्चों का पालन करना कठिन है?
- (5) किसी देश की प्राकृतिक संपत्ति की रक्षा एवं वृद्धि किन कारकों पर निर्भर है?

खंड—‘ख’ (व्यावहारिक व्याकरण)

प्रश्न 3. कोष्ठक में दिए गए निर्देशानुसार ‘पदबंध’ पर आधारित पाँच प्रश्नों में से किन्हीं चार प्रश्नों के उत्तर लिखिए:-
(1x4=4)

- (क) शिक्षा प्रदान करने वाले गुरुजनों पर हमें श्रद्धा रखनी चाहिए (रेखांकित पदबंध का भेद लिखें।)
- (ख) अखबार बेचने वाला लड़का आज दिखाई नहीं दिया। (रेखांकित पदबंध का भेद लिखिए)
- (ग) बच्चे को भूख लग रही है। (रेखांकित पदबंध का भेद लिखिए।)
- (घ) परेशानियों से न हारनेवाले आप निराश कैसे हो गए ? (रेखांकित पदबंध का नाम लिखिए।)
- (ङ) वे बिना पलक झपकाए आराधना कर रहे थे। (रेखांकित पदबंध का नाम लिखें।)

प्रश्न 4. कोष्ठक में दिए गए निर्देशानुसार 'रचना के आधार पर वाक्य रूपांतरण' पर आधारित पाँच प्रश्नों में से किन्हीं चार प्रश्नों के उत्तर लिखिए:- (1X4=4)

- (क) मैंने उसे पढ़ा-लिखाकर अमेरिका भेजा। (संयुक्त वाक्य में बदलिए।)
- (ख) सूर्योदय होते ही प्रकृति का रूप निखर जाता है। (मिश्र वाक्य में बदलिए।)
- (ग) ईश्वर पर भरोसा रखनेवाला कभी निराश नहीं होता। (वाक्य - भेद बताइए।)
- (घ) सच बोलनेवाले को कोई डरा नहीं सकता। (मिश्र वाक्य में बदलिए।)
- (ङ) जिन बालकों ने शोर मचाया था वे पकड़ लिए गए हैं। (वाक्य - भेद बताइए।)

प्रश्न 5. कोष्ठक में दिए गए निर्देशानुसार 'समास' पर आधारित पाँच प्रश्नों में से किन्हीं चार प्रश्नों के उत्तर लिखिए:- (1X4=4)

- (क) परम है जो आनंद (समस्त पद बनाकर समास का भेद लिखें।)
- (ख) यथामति (समास-विग्रह कर समास का भेद लिखें।)
- (ग) नीलकमल (समास-विग्रह कर समास का भेद लिखें।)
- (घ) त्रिभुज (समास -विग्रह कर समास का भेद लिखें।)
- (ङ) दंड के समान भुजा (समस्त पद बनाकर समास का भेद लिखें।)

प्रश्न 6. कोष्ठक में दिए गए निर्देशानुसार 'मुहावरे' पर आधारित पाँच प्रश्नों में से किन्हीं चार प्रश्नों के उत्तर लिखिए:- (1X4=4)

- (क) 'आटे-दाल का भाव मालूम होना' (दिए गए मुहावरे का वाक्य में इस प्रकार प्रयोग करें जिससे उसका अर्थ स्पष्ट हो जाए।)
- (ख) गर्दन पर सवार होना (मुहावरे का अर्थ लिखें।)
- (ग) कफन सिर पर बाँधना (दिए गए मुहावरे का वाक्य में इस प्रकार प्रयोग करें जिससे उसका अर्थ स्पष्ट हो जाए।)
- (घ) ख्याली पुलाव पकाना (मुहावरे का अर्थ लिखें।)
- (ङ) काम तमाम करना (दिए गए मुहावरे का प्रयोग वाक्य में इस प्रकार करें कि अर्थ स्पष्ट हो जाए।)

खंड- 'ग' (पाठ्यपुस्तक)

प्रश्न 7. निम्नलिखित गद्यांश को पढ़कर पूछे गए प्रश्नों के सर्वाधिक उचित उत्तर वाले विकल्प चुनकर लिखिए:- (1X5=5)

'तीसरी कसम' यदि एकमात्र नहीं तो चंद उन फिल्मों में से है जिन्होंने साहित्य - रचना के साथ शत - प्रतिशत न्याय किया हो। शैलेन्द्र ने राजकपूर जैसे स्टार को हीरामन बना दिया था। हीरामन पर राजकपूर हावी न हो सका। और छोट की सस्ती साड़ी में लिपटी 'हीराबाई' ने वहीदा रहमान की प्रसिद्ध ऊँचाइयों को बहुत पीछे छोड़ दिया था। कजरी नदी के किनारे उकड़ूँ बैठा हीरामन जब गीत गाते हुए हीराबाई से पूछता है 'मन समझती हैं न आप?' तब हीराबाई जुबान से नहीं, आँखों से बोलती है। दुनिया भर के शब्द उस भाषा को अभिव्यक्ति नहीं दे सकते। ऐसी ही सूक्ष्मताओं से स्पंदित थी 'तीसरी कसम'। अपनी मस्ती में डूबकर झूमते-गाते गाड़ीवान चलत मुसाफिर मोह लियो रे पिंजड़े वाली मुनिया।' टप्पर गाड़ी में हीराबाई को जाते हुए देखकर उनके पीछे दौड़ते - गाते बच्चों का हुजुम 'लाली लाली डोलिया में लाली रे दुल्हनिया', एक नौटंकी की बाई में अपनापन खोज लेनेवाला सरल हृदय गाड़ीवान। अभावों की जिंदगी जीते लोगों के सपनीले कहकहे।

- (i) राजकपूर जैसे स्टार को 'हीरामन' किसने बनाया था?
- (क) शैलेन्द्र ने
- (ख) फणीश्वरनाथ
- (ग) शंकर - जयकिशन ने
- (घ) वहीदा रहमान

(ii) 'तीसरी कसम' फिल्म के किस किरदार ने वहीदा रहमान की प्रसिद्ध उँचाइयों को बहुत पीछे छोड़ दिया था?

- (क) हीरामन ने
- (ख) हीरामल ने
- (ग) हीराबाई ने
- (घ) इनमें से कोई नहीं

(iii) 'तीसरी कसम' फिल्म ने साहित्य-रचना के साथ शत-प्रतिशत न्याय इसलिए किया क्योंकि ———
उचित विकल्प का चयन कीजिए ———

- (i) इसमें शैलेन्द्र ने राजकपूर की भावनाओं को शब्द दिए थे।
- (ii) इस फिल्म में मूल कहानी के स्वरूप में कोई परिवर्तन नहीं किया गया था।
- (iii) इसमें मूल कहानी की छोटी सी छोटी बारीकियों को उतारा गया था।
- (iv) इसमें हीराबाई ने वहीदा रहमान की प्रसिद्ध उँचाइयों को पीछे छोड़ दिया था।
- (क) केवल (i) (ख) (ii) और (iii) (ग) केवल (iv) (घ) सभी विकल्प

(iv) दुनिया भर के शब्द किस भाषा को अभिव्यक्ति नहीं दे सकते ?

- (क) जुबान की भाषा को
- (ख) आँखों की भाषा को
- (ग) 'क' और 'ख' दोनों
- (घ) इनमें से कोई नहीं

(v) 'तीसरी कसम' फिल्म के निर्माता कौन थे?

- (क) शैलेन्द्र
- (ख) शंकर जयकिशन
- (ग) फणीश्वरनाथ 'रेणु'
- (घ) राजकपूर

प्रश्न 8. पाठ्यपुस्तक 'स्पर्श' गद्य खंड के पठित पाठों पर आधारित चार प्रश्नों में से किन्हीं तीन प्रश्नों के उत्तर 25–30 शब्दों में लिखिए :

(2X3=6)

- (क) 'मेरी माँ कहती थी, सूरज ढले आँगन के पेड़ों के पत्ते मत तोड़ो, पेड़ रोएँगे।' – 'अब कहाँ दूसरे के दुख से दुखी होने वाले' पाठ के आधार पर स्पष्ट कीजिए कि लेखक की माँ के विचार कैसे थे?
- (ख) बड़े भाई साहब ने किताबी ज्ञान की अपेक्षा जिंदगी के अनुभव को अधिक महत्त्व दिया है, क्यों?
- (ग) 'बड़े बाजार के प्रायः सभी मकानों पर राष्ट्रीय झंडा फहरा रहा था और कई मकान तो ऐसे सजाए गए थे कि ऐसा मालूम होता था मानो स्वतंत्रता मिल गई हो।' 'डायरी का एक पन्ना' पाठ के आधार पर बताइए ये सब तैयारियाँ क्यों की गई थी?
- (घ) 'कारतूस' पाठ के आधार पर सिद्ध कीजिए कि वजीर अली एक जाँबाज और नीति कुशल योद्धा था।

प्रश्न 9. निम्नलिखित काव्यांश को पढ़कर पूछे गए प्रश्नों के सर्वाधिक उचित उत्तर वाले विकल्प चुनकर लिखिए:—

(1X5=5)

ऐसी बाँणी बोलिए, मन का आपा खोई।
अपना तन सीतल करै, औरन को सुख होइ।।

(i) व्यक्ति को कैसी वाणी बोलनी चाहिए?

- (क) कड़वी (ख) मीठी (ग) खट्टी (घ) नमकीन

(ii) 'आपा' शब्द का सही अर्थ क्या है?

(क) सम्मान

(ख) अपमान

(ग) अहंकार

(घ) सत्य

(iii) अपना तन किससे शीतल हो जाता है?

(क) धन पाने से

(ख) मीठी वाणी बोलने से

(ग) सुबह नहाने से

(घ) व्रत रखने से

(iv) मीठी वाणी बोलने से औरों को क्या मिलता है?

(क) दुख

(ख) सुख

(ग) धन

(घ) सहयोग

(v) उपर्युक्त काव्यांश से संबंधित कौन – सा कथन असत्य है?

(क) मनुष्य को सदैव मीठी वाणी बोलनी चाहिए।

(ख) मनुष्य को सदैव अहंकारयुक्त वचन बोलने चाहिए।

(ग) हमें अपने अंदर से अहंकार को समाप्त कर देना चाहिए।

(घ) मीठी वाणी बोलने और सुनने वाला दोनों ही आनंद प्राप्त करता है।

प्रश्न 10. पाठ्यपुस्तक 'स्पर्श' के काव्य खंड की पठित कविताओं पर आधारित चार प्रश्नों में से किन्हीं तीन प्रश्नों के उत्तर 25–30 शब्दों में लिखिए: (2X3=6)

(क) दूसरे पद में मीरा बाई श्याम की चाकरी क्यों करना चाहती हैं?

(ख) शाल के वृक्ष भयभीत होकर धरती में क्यों धँस गए?

(ग) उदार व्यक्ति की पहचान कैसे हो सकती है?

(घ) 'आत्मत्राण' कविता का केन्द्रीय भाव अपने शब्दों में लिखिए।

प्रश्न 11. पूरक पाठ्यपुस्तक 'संचयन' के पठित पाठों पर आधारित तीन प्रश्नों में से किन्हीं दो प्रश्नों के उत्तर 50–60 शब्दों में लिखिए: (3X2=6)

(क) 'हरिहर काका' कहानी मुख्य रूप से समाज के किन पहलुओं की ओर हमारा ध्यान आकर्षित करती है? अंत में हरिहर काका ने अपनी जमीन के संबंध में क्या निर्णय लिया?

(ख) नयी श्रेणी में जाने और नयी कॉपियों और पुरानी किताबों से आती विशेष गंध से लेखक का बालमन क्यों उदास हो जाता था?

(ग) इफ्फन की दादी की मौत के बाद टोपी को उसका घर खाली सा क्यों लगने लगा? कारण सहित उत्तर दीजिए।

खंड—'घ' (रचनात्मक लेखन)

प्रश्न 12. निम्नलिखित में से किसी एक विषय पर दिए गए संकेत बिंदुओं के आधार पर लगभग 120 शब्दों में अनुच्छेद लिखिए: (5)

(क) अहिंसा ही परम धर्म

संकेत बिंदु

- भारत एक शांतिप्रिय देश
- 'बसुधैव कुटुंबकम' की भावना पर बल
- निष्कर्ष

(ख) सोशल मीडिया के मकड़जाल में उलझता युवा वर्ग

संकेत बिंदु

- भूमिका
- उपयोगिता
- भस्मासुरी वरदान

(ग) भाग्य और पुरुषार्थ

संकेत बिंदु

- भाग्यवादी निष्क्रिय
- पुरुषार्थ की विजय
- पुरुषार्थ के बल पर भाग्य बदला जा सकता है

प्रश्न 13. आप विद्यालय के छात्र – परिषद् के सचिव हैं। स्कूल के बाद विद्यार्थियों को फुटबॉल का अभ्यास करवाने के लिए अनुमति माँगते हुए प्रधानाचार्य को पत्र लिखें। (5)

अथवा

आप सौम्य /सौम्या मिश्रा हैं। समाज में बढ़ रहे अपराध की रोकथाम का अनुरोध करते हुए थानाध्यक्ष को पत्र लिखें।

प्रश्न 14. 'स्वच्छता अभियान' के अंतर्गत आप अपने मोहल्ले को स्वच्छ रखने में निवासियों का सहयोग चाहते हैं। मोहल्ले के सचिव की ओर से सभी से सहयोग करने की अपील करते हुए लगभग 60 शब्दों में सूचना लिखें। (4)

अथवा

आपके विद्यालय में वार्षिक खेल दिवस का आयोजन किया जाने वाला है। खेल सचिव की से विद्यालय के विद्यार्थियों को इस अवसर पर होनेवाले विभिन्न खेलों की जानकारी देते हुए 60 शब्दों में सूचना लिखें।

प्रश्न 15. आप अपने घर के आस-पास निर्धन बच्चों के लिए मुफ्त द्यूशन कक्षाएँ प्रारंभ करना चाहते हैं। इस हेतु 40 शब्दों का विज्ञापन तैयार कीजिए। (3)

अथवा

'सतरंगी छाता' के लिए 40 शब्दों में आकर्षक विज्ञापन तैयार करें।

प्रश्न 16. 'सही न्याय' विषय पर लगभग 100 शब्दों में लघुकथा लिखें। (5)

अथवा

अस्पताल कर्मचारियों के सद्व्यवहार की प्रशंसा करते हुए मुख्य चिकित्सा अधिकारी को 80 शब्दों में ईमेल लिखिए।



DELHI PUBLIC SCHOOL

SAIL TOWNSHIP, RANCHI

PRE BOARD - I (2024-25)

Class - X
Time - 2 Hours

Subject - Information Technology
Maximum Marks- 50

General Instructions:

- (i) Please read the instructions carefully.
 - (ii) This Question Paper consists of **21 questions** in two sections: Section A & Section B.
 - (iii) Section A has Objective type questions whereas Section B contains Subjective type questions.
 - (iv) Out of the given **(5+16)=21 questions**, a candidate has to answer **(5+10)=15 questions** in the allotted (maximum) time of **2 hours**.
-

SECTION - A

Objective Type Questions (24 marks)

1. Answer any 4 (four) out of the given 6 questions based on Employability Skills.

(4 x 1 = 4)

- (i) Managing stress is about making a plan to be able to cope effectively with daily pressures. Always keep in mind the ABC of stress management. The acronym ABC stands for
 - (a) Ability, Burden, Concise
 - (b) Adore, Belief, Cause
 - (c) Adversity, Balance, Cooperate
 - (d) None of these
- (ii) The good stress is called
 - (a) eustress
 - (b) emstress
 - (c) Both (a) and (b)
 - (d) None of these
- (iii) Windows 10 is an operating system developed by
 - (a) Microsoft
 - (b) IBM
 - (c) Samsung
 - (d) Sony
- (iv) How can an entrepreneur get the work done from his/her team?
 - (a) By creating a spirit of teamwork
 - (b) By motivation
 - (c) Using harsh words and actions
 - (d) Both (a) and (b)
- (v) What is the importance of feedback in communication?
 - (a) It allows the speaker to dominate the conversation
 - (b) It helps in avoiding any further communication
 - (c) It facilitates understanding, clarification and improvement
 - (d) It discourages active listening

- (vi) What is the primary goal of green skills training?
- (a) To reduce employment opportunities
 - (b) To promote sustainable practices and industries
 - (c) To prioritize economic growth over environmental concerns
 - (d) To discourage technological advancements

2. Answer any 5 out of the given 6 questions.

(5 x 1 = 5)

- (i) To start the macro recorder, which of the following command is used?
- (a) Tools → Macros → Record Macro
 - (b) Tools → Record → Record Macro
 - (c) Data → Macros → Record
 - (d) None of the above
- (ii) In a document, you can insert
- (a) Pictures
 - (b) ClipArts
 - (c) Shapes
 - (d) All of the above
- (iii) Page styles affect a
- (a) whole paragraph
 - (b) whole page
 - (c) group of characters
 - (d) group of items
- (iv) If a table has to be created which tab and group should be used?
- (a) Insert tab → Tables group
 - (b) Home tab → Tables group
 - (c) Design tab → Tables group → Table → Insert Table
 - (d) None of the above
- (v) In the hierarchy of headings, the lower-level headings pertain to and
- (a) section, sub-sections
 - (b) headings, sub-headings
 - (c) Both (a) and (b)
 - (d) None of the above
- (vi) To create the link from one document to another, both the documents should be
- (a) open
 - (b) closed
 - (c) Both (a) and (b)
 - (d) None of these

3. Answer any 5 out of the given 6 questions.

(5 x 1 = 5)

- (i) Cell referencing can be done by using a as well as
- (a) Keyboard, windows menu
 - (b) Keyboard, Mouse
 - (c) Windows menu, Mouse
 - (d) None of the above
- (ii) Full form of OLE is
- (a) Object Linked and Embedded
 - (b) Option Linking and Embedding
 - (c) Open Linking and Embedding
 - (d) Object Linking and Embedding
- (iii) We can rename a new sheet in Calc
- (a) After inserting a new sheet
 - (b) While inserting a new sheet
 - (c) Both (a) and (b)
 - (d) None of the above

- (iv) In Calc, the comments are added
 (a) automatically (b) by author (c) by reviewer (d) Both (b) and (c)
- (v) In order to group sheets, while holding the Key, click on the Sheets tab you want to group.
 (a) Alt (b) Shift (c) Ctrl (d) Tab
- (vi) In Calc, you can insert the data from different databases and other data sources. One such format is
 (a) .odt (b) .dbms (c) .odb (d) .ods

4. Answer any 5 out of the given 6 questions. (5 x 1 = 5)

- (i) Which of the following is not the main building block of a database?
 (a) Lists (b) Queries (c) Reports (d) Forms
- (ii) leads to data inconsistency.
 (a) Data integrity (b) Data sharing (c) Data redundancy (d) Data recovery
- (iii) Which of the following is a single piece of data?
 (a) Field (b) Table (c) Record (d) Form
- (iv) Which kind of hazards can occur in IT industry?
 (a) Biological (b) Chemical (c) Physical (d) Ergonomic
- (v) Which of the following feature is used to jump to a different spreadsheet from the current spreadsheet in LibreOffice Calc?
 (a) Macro (b) Hyperlink (c) Connect (d) Copy
- (vi) The data is a combination of letters, numbers or special characters.
 (a) Structured (b) Unstructured (c) Semi-structured (d) Alphanumeric

5. Answer any 5 out of the given 6 questions. (5 x 1 = 5)

- (i) Every organization must provide healthy and safety working environment for their employees at the
 (a) Home (b) Workplace (c) Society (d) All of these
- (ii) Every organization must have separate department.
 (a) Security (b) Food (c) Transportation (d) Psychological
- (iii) The shape of warning sign is
 (a) circular (b) square (c) triangular (d) rectangular
- (iv) Injuries and illness of the employees is prevented through national policy on
 (a) Occupational safety (b) Occupational health
 (c) Security (d) Occupational health and safety
- (v) Which of the following is not a situation when you do not need evacuation?
 (a) Fire (b) Earthquake (c) Raining (d) Hurricane
- (vi) Ergonomics is the science concerned with and arranging things.
 (a) optimizing (b) designing (c) modifying (d) improving

SECTION B

Subjective Type Questions

Answer any 3 out of the given 5 questions on Employability Skills.

Answer each question in 20 – 30 words.

(2 x 3 =6)

6. What is the role of green skills in mitigating climate change?
7. Explain the term self motivation.
8. Define multi-processing and multi-user operating system.
9. What do you mean by the term entrepreneur?
10. How can communication skills impact career success?

Answer any 4 out of the given 6 questions in 20 – 30 words each.

(2 x 4 =8)

11. Describe the significance of using templates in your documents.
12. State the use of Consolidating Data in a spreadsheet.
13. What is cell reference? Also, write the use a cell reference in one or several formula.
14. Explain the term table used on database.
15. What are the essential steps to take when providing first aid for a minor burn?
16. What are the steps to apply first aid roller bandage to a wound?

Answer any 3 out of the given 5 questions in 50-80 words each.

(4 x 3 =12)

17. Atul is preparing a series of school reports that need to include his school's logo, a picture of his project, and a standard footer with name and class. Instead of adding and formatting these elements individually in each report, Atul use LibreOffice Writer templates to simplify this process.

- (a) How can he apply the template from the available template list?
 - (b) When is exporting of templates useful?

18. Samiksha wants to know the use of the following terms. Describe them for her.

- (i) Scenario
 - (ii) Goal Seek
 - (c) Solver
 - (d) Subtotal

19. What are the benefits of Database Management System? Explain them.

20. Consider the following table: Enterprise

Id	Name	Salary	Designation
101	Shyam	80000	Accountant
102	Rakshita	75000	Manager
103	Tanmay	50000	Clerk

- (a) You are tasked with designing a new database for your enterprise. Based on the given table structure, identify the fields that would be necessary to store key information about each employee.
 - (b) As a administrator, you need to ensure each employee has a unique identifier. Which field can be considered as a primary key and why?
 - (c) Which field in the above table can be served as an alternate key.
 - (d) Consider another table 'Department' and integrate it with 'Enterprise' table. Establish a relationship between two tables with the primary key of 'Enterprise' table and foreign key of 'Department' table. Illustrate it with an example.
21. Imagine you are the manager of a manufacturing company. Recently, there have been several incidents at your workplace that have been raised concerns about health, safety and security. Reports are there that of workplace hazards affecting employee morale and productivity. As the manager, find the key reasons for implementing Health, Safety and Security Programs or Policies in the workplace.



DELHI PUBLIC SCHOOL

SAIL TOWNSHIP, RANCHI

PRE BOARD - I (2024-25)

Class - X
Time - 3 Hours

Subject: Mathematics
Maximum Marks: 80

General Instructions:

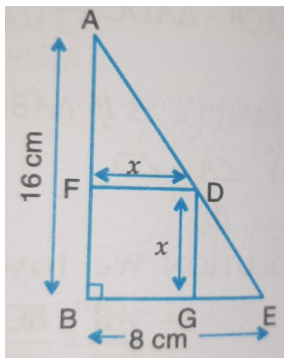
Read the following instructions carefully and follow them

- (i) This question paper contains 38 questions. All questions are compulsory.
 - (ii) This question paper is divided into FIVE Sections - Section A, B, C, D and E.
 - (iii) In Section-A question number 1 to 18 are Multiple Choice Questions (MCQs) and question number 19 and 20 are Assertion - Reason based questions of 1 mark each.
 - (iv) In Section -B question number 21 to 25 are Very Short-Answer-I (VSA - I) type questions of 2 marks each.
 - (v) In Section - C question number 26 to 31 are Short Answer - II (SA - II) type questions carrying 3 marks each.
 - (vi) In Section -D question number 32 to 35 are Long -Answer (LA) type questions carrying 5 marks each.
 - (vii) In Section -E question number 36 to 38 are case study type questions carrying 4 marks each.
-

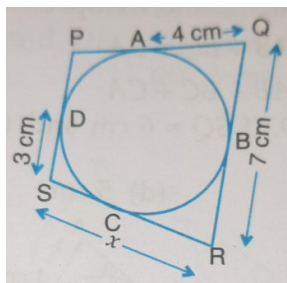
SECTION-A

1. If the sum of the zeroes of the quadratic polynomial $kx^2 + 2x + 3k$ is equal to their product, then k equals
 - (a) $1/3$
 - (b) $-1/3$
 - (c) $2/3$
 - (d) $-2/3$
2. The pair of equations $x + 2y + 5 = 0$ and $-3x - 6y + 1 = 0$ has
 - (a) No solution
 - (b) Infinitely many solutions
 - (c) A unique solution
 - (d) Exactly two solutions
3. Which of the following equations has two distinct real roots?
 - (a) $2x^2 - 3\sqrt{2}x + \frac{9}{4} = 0$
 - (b) $x^2 + x - 5 = 0$
 - (c) $x^2 + 3x + 2\sqrt{2} = 0$
 - (d) $5x^2 - 3x + 1 = 0$
4. If the equation $x^2 - bx + 1 = 0$ does not possess real roots then
 - (a) $-3 < b < 3$
 - (b) $-2 < b < 2$
 - (c) $b > 2$
 - (d) $b < -2$

5. If the n^{th} term of an A.P is $(2n + 1)$, then the sum of first n terms of the A.P is
- $n(n - 1)$
 - $n(n + 1)$
 - $n(n + 2)$
 - $n(n - 2)$
6. The line segment joining the points $(-3, -4)$ and $(1, -2)$ is divided by y axis in the ratio
- 3:1
 - 1:3
 - 2:3
 - 3:2
7. If the distance between the points $(p, -5)$ and $(4, 10)$ is 17 units, then the value of p are
- 4, 8
 - 4, 12
 - 4, 12
 - 0, 12
8. Sides AB and BE of a right triangle, right angled at B are of length 16 cm and 8 cm respectively. The length of the side of largest square FDGB that can be inscribed in the triangle ABE is

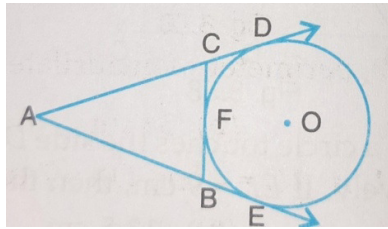


- $\frac{32}{3} \text{ cm}$
 - $\frac{8}{3} \text{ cm}$
 - $\frac{4}{3} \text{ cm}$
 - $\frac{16}{3} \text{ cm}$
9. In the given figure, if $AQ = 4 \text{ cm}$, $QR = 7 \text{ cm}$, $DS = 3 \text{ cm}$, then $x =$



- 6 cm
- 8 cm
- 11 cm
- 10 cm

10. In the given figure, if AD, AE and BC are tangents to the circle at D, E and F respectively, then



- (a) $AD = AB + BC + CA$
 - (b) $2AD = AB + BC + CA$
 - (c) $3AD = AB + BC + CA$
 - (d) $4AD = AB + BC + CA$
11. $\frac{3}{4} \tan^2 30^\circ - \sec^2 45^\circ + \sin^2 60^\circ$ is equal to
- (a) $\frac{5}{6}$
 - (b) $\frac{-5}{6}$
 - (c) $\frac{-6}{6}$
 - (d) $\frac{1}{6}$
12. If $\cos A + \cos^2 A = 1$, then $\sin^2 A + \sin^4 A =$
- (a) -1
 - (b) 0
 - (c) 1
 - (d) None of these
13. The ratio of the total surface area to the lateral surface area of a cylinder with base radius 80 cm and height 20 cm is
- (a) 1:2
 - (b) 2:1
 - (c) 3:1
 - (d) 5:1
14. A solid is hemispherical at the bottom and conical above it. If the surface area of the two parts are equal, then the ratio of its radius and height of its conical part is
- (a) $1:\sqrt{2}$
 - (b) $\sqrt{2}:1$
 - (c) $\sqrt{3}:1$
 - (d) $1:\sqrt{3}$
15. If for a data, Mean: Median=9:8, then Median: Mode=
- (a) 8:9
 - (b) 4:3
 - (c) 7:6
 - (d) 5:4
16. If the mean of first n natural numbers is $\frac{5n}{9}$ then $n=$
- (a) 9
 - (b) 10
 - (c) 5
 - (d) 4

17. In a family of 3 children, the probability of having at least one boy is
 (a) $7/8$
 (b) $1/8$
 (c) $5/8$
 (d) $3/4$
18. A bag contains cards numbered from 1 to 25. A card is drawn at random from the bag. The probability that the number on this card is divisible by either 2 or 3 is
 (a) $9/25$
 (b) $4/25$
 (c) $16/25$
 (d) None of these

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.

- (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.

19. **ASSERTION (A):** HCF and LCM of two natural numbers are 25 and 815 respectively.

REASON (R): LCM of two natural numbers is always divisible by their HCF.

20. **ASSERTION (A):** The radius of the circle whose area is equal to the sum of the areas of two circles of radii 10 cm and 24 cm is 26 cm.

REASON (R): The radius r of the circle whose area is equal to the sum of the areas of two circles of radii r_1 and r_2 is given by $r = \sqrt{r_1^2 + r_2^2}$

SECTION-B

21. Given that $\sqrt{2}$ is irrational, prove that $5 + 3\sqrt{2}$ is an irrational number.

OR

There are 156, 208 and 260 students in groups A, B and C respectively. Buses are to be hired to take them for a field trip. Find the minimum number of buses to be hired , is the same number of students and also of same group is to be accommodated in each bus.

22. Points A(-1, y) and B(5,7) lie on a circle with centre O(2, -3y) such that AB is a diameter of the circle. Find the value of y and also the radius of the circle.

23. Find the points on $x - axis$ which is at a distance of $\sqrt{41}$ unit from the point (8, -5).

24. Find an acute angle θ when $\frac{\cos\theta - \sin\theta}{\cos\theta + \sin\theta} = \frac{1 - \sqrt{3}}{1 + \sqrt{3}}$

25. From a well shuffled pack of 52 cards, few cards of same colour are missing. If P(drawing a red card)= $2/3$ and P(drawing a black card)= $1/3$, then which colour cards are missing and how many?

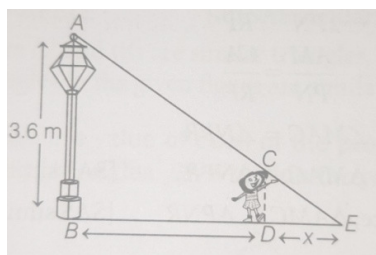
OR

Cards marked with numbers 3,4,5,.....,50 are placed in a box and mixed thoroughly. One card is drawn at random from the box. Find the probability that the number on the drawn card is

- (i) divisible by 7 (ii) a number which is a perfect square.

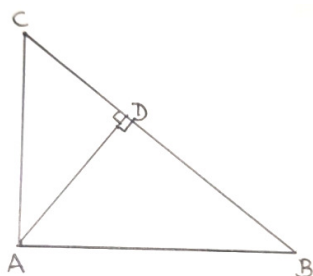
SECTION-C

26. If α, β are the zeroes of the polynomial $p(x) = 2x^2 + 5x + k$ satisfying the relation $\alpha^2 + \beta^2 + \alpha\beta = \frac{21}{4}$ then find the value of k for this to be possible.
27. A cottage industry produces a certain number of pottery items in a day. It was observed on a particular day that the cost of production of each item (in Rs) was 3 more than twice the number of items produced on that day. If the total cost of production on that day was Rs 90, then find the number of articles produced and the cost of each article.
28. A girl of height 90 cm is walking away from the base of a lamp post at a speed of 1.2 m/s. If the lamp is 3.6 m above the ground, then find the length of her shadow after 4 seconds.



OR

In $\triangle ABC$, if $AD \perp BC$ and $AD^2 = BD \times DC$, prove that $\angle BAC = 90^\circ$.



29. Prove that $\frac{\tan \theta}{1 - \cot \theta} + \frac{\cot \theta}{1 - \tan \theta} = 1 + \sec \theta \operatorname{cosec} \theta$.
30. (a) The minutes hand of a wall clock is 18 cm long. Find the area of the face of the clock described by the minute hand in 35 minute.
- OR**
- (b) AB is a chord of a circle centred at O such that $\angle AOB = 60^\circ$. If $OA = 14$, then find the area of the minor segment. ($\sqrt{3} = 1.73$)
31. Prove that $\sqrt{7}$ is irrational.

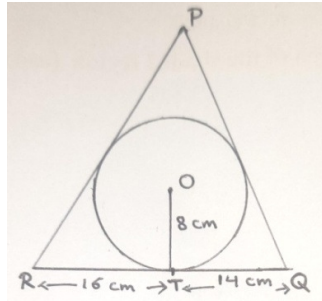
SECTION-D

32. Draw the graphs of $2x + y = 6$ and $2x - y + 2 = 0$. Shade the region bound by these lines and x axis. Find the area of the shaded region.

OR

Places A and B are 250 km apart from each other on a national highway. A car starts from A and another car starts from B at the same time. If they go in the same direction, they meet in 5 hours and if they go in opposite directions they meet in $\frac{25}{13} h$. Find the speed of both cars.

33. A triangle PQR is drawn to circumscribe a circle of radius 8 cm such that the segment QT and TR, into which QR is divided by the point of contact T, are of lengths 14 cm and 16 cm respectively. Find the length of sides PQ and PR.



34. The angle of elevation of a cloud from a point 60 m above a lake is 30° and the angle of depression of the reflection of the cloud in the lake is 60° . Find the height of the cloud above the lake.
35. Find the missing frequencies in the following frequency distribution table, if $N = \sum f_i = 80$ and median is 35.

Marks obtained	0-10	10-20	20-30	30-40	40-50	50-60	Total
Number of students	7	x	20	y	24	8	80

OR

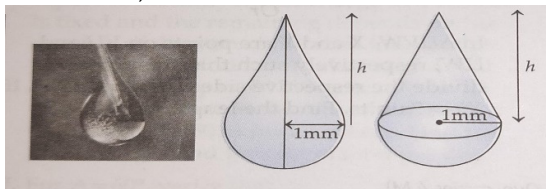
The following table shows the age distribution of cases of a certain disease admitted during a year in a particular hospital.

Age (in years)	5-14	15-24	25-34	35-44	45-54	55-64	Total
Number of cases	6	11	21	23	14	5	80

Find the modal age.

SECTION-E

36. In the month of December 2020, it rained heavily throughout the day over the city of Hyderabad. Anil observed the raindrops as they reached him. Each raindrop was in the shape of a hemisphere surmounted by a cone of the same radius of 1 mm. Volume of one such drop is 3.14 cubic mm. Anil collected the rain water in a pot having a capacity of 1099 cubic cm. (use $\sqrt{2} = 1.4$).



Based on the above information answer the following questions:

- (i) Find the total height of the drop.

OR

- (ii) As the drop fell in the pot, it changed into a sphere. What was the radius of the sphere?
- (iii) How many drops will fill the pot completely?

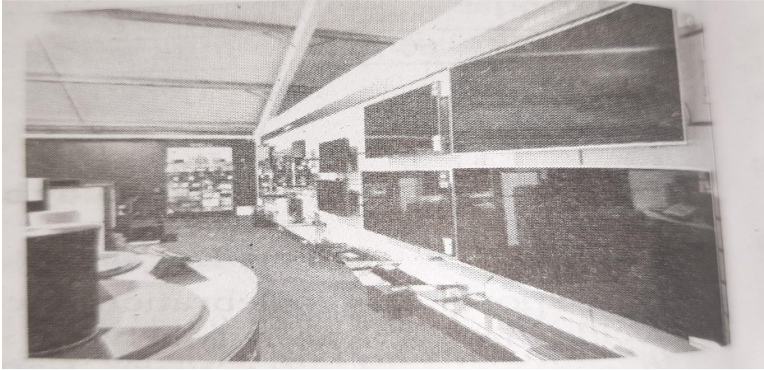
[2]

[2]

[1]

[1]

37. India is a competitive manufacturing location due to the low cost of manpower and strong technical and engineering capabilities contributing to higher quality production. The production of TV sets in a factory increases uniformly by a fixed number every year. It produced 16000 sets in 6th year and 22600 in 9th year.



On the basis of above information answer the following questions:

- (i) Find the production during the 1st year. [2]

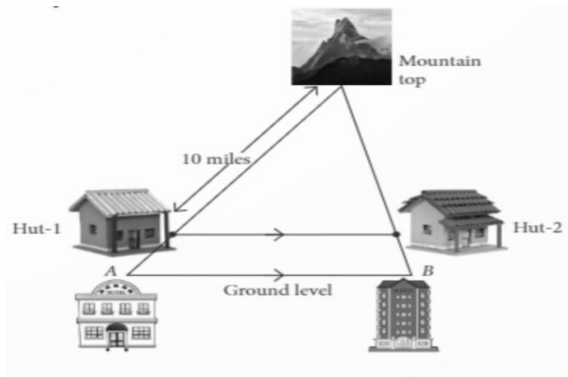
OR

Find the production during 8th year and first 3 years. [2]

- (ii) In which year the production is 29200? [1]

- (iii) Find the difference of the production during 7th year and 4th year. [1]

38. Two hotels are at the ground level on either side of a mountain. On moving a certain distance towards the top of the mountain two huts are situated as shown in the figure. The ratio between the distance from hotel B to hut-2 and that of hut-2 to mountain top is 3:7.



Based on above information, answer the following questions.

- (i) Find the distance between the hotel A and hut-1. [1]

- (ii) If the horizontal distance between the hut-1 and hut-2 is 8 miles, then find the distance between the two hotels. [2]

OR

If the distance from mountain top to hut-1 is 5 miles more than that of distance from hotel B to mountain top, then find the distance between hut-2 and mountain top. [2]

- (iii) If the distance between hotel B and hut-2 is 4.5 miles, find the distance between hotel B and the mountain top. [1]



DELHI PUBLIC SCHOOL

SAIL TOWNSHIP, RANCHI

PRE BOARD - I (2024-25)

Class - X
Time - 3 Hours

Subject - Sanskrit
Maximum Marks- 80

खण्ड: 'क'

अपठित-अवबोधनम् {10 अंकाः}

प्रश्न 1 अधोलिखितं गद्यांशं पठित्वा निर्देशानुसारम् उत्तरत।

गुरुकुले पठन् एकः बालकः आयुर्वेदस्य ज्ञानम् अर्जति स्म। एकदा सः अतिरुग्णः जातः। गुरुणा तस्य उपचारः न कृतः। औषधिम् अन्वेष्टुं सः वनं च प्रेषितः। औषधिम् अन्विषयन् एकं वर्षं व्यतीतम् परं सः रोगमुक्तः नाभवत्। सः अचिन्तयत्— 'जीवनस्य अन्तिमे काले गुरुकुलं गमनम् एव श्रेष्ठतरम्' इति विचार्य सः गुरुकुलं प्रत्यागच्छत्। रुग्णं तं दृष्ट्वा गुरुः तस्मै औषधिं प्रायच्छत्। अचिरात् एव सः नीरोगः जातः। रोगमुक्तः क्रुद्धः सः गुरुम् अकथयत्—“यदा भवान् रोगमुक्तकर्तुं समर्थः आसीत् तर्हि किमर्थं माम् वनं प्रेषितवान्। “विनम्रः गुरुः प्रत्यवदत्—“यदि अहम् तुभ्यम् अत्रैव औषधिं दद्याम् तदा त्वं तत्ज्ञानार्जनं कर्तुं समर्थः न भवेः यत् स्वानुभवेन त्वया अर्जितम्।” सः शिष्यः आयुर्वेदस्य ज्ञाता महर्षिः चरकः आसीत्। उक्तम् एव—“नास्ति आत्मसमं बलम्।”

1 एकपदेन उत्तरत।

{1/2x4=2}

क. बालकः गुरुकुले कस्य ज्ञानं अर्जति स्म?

ख. किम् अन्विषयन् बालकस्य एकं वर्षं व्यतीतम्?

2 पूर्णवाक्येन उत्तरत।

{2x2=4}

क. बालकं रुग्णं दृष्ट्वा गुरुः किमकरोत्?

ख. रोगयुक्तः बालकः किम् अचिन्तयत्?

3 अस्य अनुच्छेदस्य कृते उपयुक्तं शीर्षकं लिखत।

{1x1=1}

4 निर्देशानुसारम् प्रदत्तविकल्पेभ्यः उचितम् उत्तरं चित्वा लिखत

{1x3=3}

क. 'प्रत्यागच्छत्' इति क्रियापदस्य कर्तृपदं किम्?

[अ] गुरुः

[ब] विनम्रः

[स] समर्थः

[द] सः (शिष्यः)

ख. 'रोगी' इत्यर्थे अत्र किं पदं प्रयुक्तम्?

[अ] रोगमुक्तः

[ब] रोगयुक्तः

[स] रुग्णः

[द] नीरोगी

ग. 'गुरुणा तस्य उपचारः न कृतः' अत्र 'तस्य' इति सर्वनामपदं कस्मै प्रयुक्तम्?

[अ] गुरवे

[ब] औषधये

[स] बालकाय

[द] रोगमुक्ताय

घ. 'अन्तिमे' इति पदं कस्य विशेषणपदम् अस्ति?

[अ] जातस्य

[ब] कालस्य

[स] वर्षस्य

[द] गमनस्य

खण्ड: 'ख'

रचनात्मक-कार्यम् {15 अंकाः}

प्रश्न 2 पितरं प्रति लिखितम् अधोपत्रं मंजूषाप्रदत्तशब्दैः पूरयित्वा पुनः लिखत

{1½x10=5}

ब्रह्मपुत्र-छात्रावासः,

(1) -----

तिथिः -----

पूज्याः (2) ----- ।

सादरं प्रणामाः ।

अत्र कुशलं तत्रास्तु । इदं विज्ञाय भवान् अतिप्रसन्नः भविष्यति यद् गतदिवसे अन्तर्विद्यालयीयभाषणप्रतिस्पर्धायां मया (3) ----- स्थानं लब्धम् । क्रीडादिवसे (4) ----- अपि अहमेव प्रथमः आसम् । अस्मिन् वर्षे वार्षिकोत्सवे अहं नाट्याभिनयं (5) ----- अयं वार्षिकोत्सवः आगामि-शुक्रवासरे (6) ----- । विद्यालयस्य पक्षतः हयः एव (7) ----- प्रेषितम् । अहमपि (8) ----- सूचयामि यद् भवान् मात्रा सह अवश्यम् आगच्छतु । मम (9) ----- भविष्यति । मातृचरणयोः मम प्रणामाः ।

भवतः पुत्रः

(10) -----

मंजूषा

निमन्त्रणपत्रम्, धावनप्रतियोगितायाम्, नीरजः, उत्साहवर्धनम्, भवन्तम्, नवदिल्लीतः, प्रथमम्, करिष्यामि, पितृमहोदयाः, आयोजयिष्यते ।

प्रश्न 3 अधोदत्तं चित्रं दृष्ट्वा मंजूषातः शब्दं चित्वा पञ्च वाक्यानि रचयत ।

{1x5=5}



मारयन्ति, सैनिकाः, परस्परम्, कुर्वन्ति, युद्धम्, द्वितीयविश्वयुद्धम्, असंख्यकाः, मृताः, जनाः, बहवः, सर्वे, देशाः,

'मेट्रोरेलयात्रा' इति विषयम् अधिकृत्य मंजूषायाः सहायतया संस्कृतेन पञ्च वाक्यानि रचयत :-

मंजूषा

वातानुकूलितकक्षाः, लक्षः, जनाः, अल्पेनैव कालेन, कुत्रचित्, भूमेरुपरि, अधोभूमि, तीव्रगतिका रेलसेवा, सर्वत्र, अनुशासनम् ।

प्रश्न 4 अधोलिखितानि वाक्यानि संस्कृत भाषायाम् अनुवादम् कृत्वा लिखत । (केचन पंच)

{1x5=5}

- क. गंगा भारत की जीवनदायिनी नदी है।
ख. आज मेरे विद्यालय में प्रौढशिक्षा की प्रदर्शनी आरम्भ हुई।
ग. शिक्षा लोगों का मार्गदर्शन करती है।
घ. स्वस्थ होने के लिए उत्तम भोजन एवं वायु आवश्यक हैं।
ङ. कुछ बच्चे भोजनालयों और जलपानघरों में काम करते हैं।
च. युधिष्ठिर के उत्तर से यक्ष प्रसन्न हो गया।
छ. एक बार दुर्वासा ऋषि हस्तिनापुर में पधारे।

खण्ड: 'ग'

अनुप्रयुक्त—व्याकरणम् {25 अंकाः}

प्रश्न 5 अधोलिखितानां पदानां सन्धिं सन्धिविच्छेदं वा कृत्वा लिखत । (केचन चत्वारः)

{1x4=4}

- क. चलदनिशं कालायसचक्रम्।
ख. प्रेष्यतामस्मदन्तिकं सौमित्रिः।
ग. धिङ् मामेवं भूतम्।
घ. एकेन राजहंसेन या शोभा सरसो भवेत्।
ङ. ततोऽसौ तौ अग्रिमे दिने उपस्थातुम् आदिष्टवान्।

प्रश्न 6 अधोलिखितवाक्येषु रेखांकितपदानां समासं विग्रहं वा कुरुत । (केचन चत्वारः)

{1x4=4}

- क. आर्यस्य वन्दनायां लव इत्यात्मानं श्रावयामि।
[अ] आर्यवन्दनायाम् [ब] आर्येणवन्दनायाम् [स] आर्यात्वन्दनायाम् [द] आर्यम् वन्दनायाम्
ख. क्षत्रियकुलपितामहयोः सूर्यचन्द्रयोः को वा भवतोर्वशस्य कर्ता?
[अ] सूर्यः च चन्द्रः च [ब] सूर्यस्य च चन्द्रस्य च [स] सूर्ययोः च चन्द्रयोः च [द] सूर्यम् च चन्द्रम् च
ग. अहं यदि कृष्णवर्णः तर्हि किं त्वं गौराङ्गः?
[अ] कृष्णः वर्णः यस्य सः [ब] कृष्णं वर्णं यस्य सः [स] कृष्णः वर्णः येन सः [द] कृष्णः वर्णः यस्मै सः
घ. सः तं निर्दोषम् अमन्यत आरक्षिणं च दोषभाजनम्।
[अ] दोषेण अभावः इति [ब] दोषैः अभावः इति [स] दोषाणाम् अभावः इति [द] दोषः अभावः इति
ङ. सः यथेच्छम् जलम् अपिबत्।
[अ] इच्छम् अनतिक्रम्य [ब] इच्छाम् अनतिक्रम्य [स] इच्छेम् अनतिक्रम्य [द] इच्छाय अनतिक्रम्य

प्रश्न 7 अधोलिखितवाक्येषु रेखांकितपदानां प्रकृतिप्रत्ययौ संयोज्य विभज्य वा लिखत । (केचन चत्वारः) {1x4=4}

- क. दुर्वहमत्र जीवितं जातं प्रकृतिरेव शरणम्।
[अ] जन् + क्त [ब] जा + क्त [स] जन + क्त [द] ज + क्त
ख. तस्य भार्या बुद्धिमती पुत्रद्वयोपेता पितुः गृहं प्रति चलिता।
[अ] बुद्धि + वतुप् [ब] बुद्धि + सतुप् [स] बुद्धि + उप [द] बुद्धि + मतुप्
ग. मम सत्यप्रियता तु जनानां कृते उदाहरण—स्वरूपा।
[अ] सत्यप्रिय + टाप् [ब] सत्यप्रिय + तल् [स] सत्यप्रिय + तव्यत् [द] सत्यप्रिय + क्त
घ. सैव तव उत्तमा श्रीः।
[अ] उत्तम + तल् [ब] उत्तम + क्त [स] उत्तम + टाप् [द] उत्तम + मतुप्
ङ. समीपे एका नदी वहति।
[अ] एक + आ [ब] एक + तल् [स] एक + टाप् [द] एक + ङीप्

प्रश्न 8 अधोलिखितं समयं दृष्ट्वा तेषां कृते संस्कृत पदम् लिखत। (केचन चत्वारः) {1x4=4}

- क. उज्ज्वलः (5:30) ----- उत्तिष्ठति।
 ख. उत्थाय (6:00) ----- व्यायामं करोति।
 ग. प्रातः (7:45) ----- तः (1:45) ----- पर्यन्तं विद्यालये पठति।
 घ. सायं (4:15) ----- तः (6:15) ----- यावत् अतिरिक्त कक्षायां पठति।
 ङ. रात्रौ (7:00) ----- तः (8:15) ----- पर्यन्तं दूरदर्शने विविधान् कार्यक्रमान् पश्यति।

प्रश्न 9 अधोलिखितानि रेखांकितानि पदानि संशोध्य लिखत। (केचन त्रयः) {1x3=3}

- क. रामेण निबन्धं लिखति।
 {अ} रामः {ब} रामम् {स} रामेण {द} रामस्य
 ख. काकः शाखायाम् अधितिष्ठति।
 {अ} शाखाम् {ब} शाख्या {स} शाखायै {द} शाखायाः
 ग. द्वौ वानरौ मनुष्यस्य सह गच्छतः।
 {अ} मनुष्यैः {ब} मनुष्येभ्यः {स} मनुष्याणाम् {द} मनुष्यान्
 घ. छात्राः अध्यापकेन संस्कृतं पठन्ति।
 {अ} अध्यापकम् {ब} अध्यापकाय {स} अध्यापकात् {द} अध्यापकस्य

प्रश्न 10 अधोलिखितं संवादं उचित विकल्पेभ्यः पूरयित्वा लिखत। (केचन त्रयः) {1x3=3}

- क. रत्ने! ----- अद्य पुस्तकालयं गम्यते।
 {अ} ताम् {ब} तस्यै {स} तस्याः {द} मया
 ख. मित्र! किम् ----- संस्कृतं जानासि?
 {अ} अहम् {ब} त्वम् {स} तेन {द} ताभिः
 ग. एषा बालिका ----- अपि रचयति।
 {अ} माला {ब} मालायाम् {स} मालया {द} मालाम्
 घ. आम्! त्वमपि शोभनः बालः -----।
 {अ} असि {ब} अस्ति {स} अस्मि {द} स्वः

प्रश्न 11 अधोलिखितं वाक्यं मंजूषातः अव्यय पदानि चित्वा रिक्तस्थानानि पूरयत। (केचन त्रयः) {1x3=3}

- क. अस्माकं वार्षिकोत्सवे मम पितामही ----- आगच्छत्।
 {अ} एव {ब} यत्र {स} श्वः {द} अपि
 ख. यत्र कर्तव्यनिष्ठा भवति ----- सिद्धिः अपि निवसति।
 {अ} अत्र {ब} कुत्र {स} सर्वत्र {द} तत्र
 ग. त्वम् अत्र ----- श्रमं करोषि।
 {अ} कदा {ब} वृथा {स} ह्यः {द} किमर्थम्
 घ. भवती अधुना ----- आगच्छति?
 {अ} सदा {ब} सर्वदा {स} कदा {द} कुतः

खण्डः 'घ'

पठित-अवबोधनम् {30 अंकाः}

प्रश्न 12 अधोलिखितं गद्यांशं पठित्वा प्रश्नानाम् उत्तराणि लिखत।

अग्रिमे दिने स आरक्षी शौर्यभियोगे तं न्यायालयं नीतवान्। न्यायाधीशो बंकिमचन्द्रः उभाभ्यां पृथक् पृथक् विवरणं श्रुतवान्। सर्वं वृत्तमवगत्य स तं निर्दोषम् अमन्यत् आरक्षणं च दोषभाजनम्। किन्तु प्रमाणाभावात् स निर्णेतुं नाशक्नोत्। ततोऽसौ तौ अग्रिमे दिने उपस्थातुम् आदिष्टवान्। अन्येद्युः तौ न्यायालये स्व-स्व-पक्षं पुनः स्थापितवन्तौ। तदैव कश्चित् तत्रत्यः कर्मचारी समागत्य न्यवेदयत् यत् इतः क्रोशद्वयान्तराले कश्चिज्जनः केनापि हतः। तस्य मृतशरीरं राजमार्गं निकषा वर्तते। आदिष्टतां किं करणीयमिति। न्यायाधीशः आरक्षणम् प्राणीं च तं शवं न्यायालये अनेतुमादिष्टवान्।

1 एकपदेन उत्तरत।

{1/2x2=1}

- क. पृथक् पृथक् विवरणं कः श्रुतवान्?
ख. कः शौर्यभियोगे तं न्यायालयं नीतवान्?

2 पूर्णवाक्येन उत्तरत।

{1x2=2}

- क. कस्मात् कारणात् न्यायधीशः निर्णेतुं नाशक्नोत्?
ख. आरक्षणम् प्राणी च तं शवं न्यायालये अनेतुम् कः आदिष्टवान्?

3 निर्देशानुसारम् उत्तरत।

{1/2x4=2}

- क. 'अग्रिमे दिने' इत्यनयोः पदयोः विशेष्यपदं किम्?

{अ} सः {ब} आरक्षी {स} दिने {द} अग्रिमे

- ख. 'अमन्यत्' इति क्रियापदस्य कर्तृपदं किम्?

{अ} सः {ब} तम् {स} निर्दोषम् {द} दोषभाजनम्

- ग. 'दूरे' इति पदस्य विपर्ययपदं किं प्रयुक्तम्?

{अ} पाशवे {ब} निशान्धकारे {स} परमर्थकार्ये {द} निकषा

- घ. 'अन्यस्मिन् दिने' इत्यर्थे गद्यांशे किं पदं प्रयुक्तम्?

{अ} निकषा {ब} तत्रत्यः {स} स्व-स्व {द} अन्येद्युः

प्रश्न 13 अधोलिखितं नाट्यांशं पठित्वा प्रश्नानाम् उत्तराणि लिखत।

सिंहः (क्रोधेन गर्जनं) भोः! अहं वनराजः, किं भयं न जायते? किमर्थं मामेवं तुदन्ति सर्वे मिलित्वा?

एकः वानरः— यतः त्वं वनराजः भवितुं तु सर्वथाऽयोग्यः। राजा तु रक्षकः भवति परं भवान् तु भक्षकः।

अपि च स्वरक्षायामपि समर्थः नासि, तर्हि कथमस्मान् रक्षिष्यसि?

अन्यः वानरः— किं न श्रुता त्वया पंचतंत्रोक्तिः—

यो न रक्षति वित्रस्तान् पीड्यमाना परैः सदा। जन्तून् पार्थिवरूपेण स कृतान्तो न संशयः।।

काकः— आम् सत्यं कथितं त्वया— वस्तुतः वनराजः भवितुं तु अहमेव योग्यः।

पिकः— (उपहासन्) कथं त्वं योग्यः वनराजः भवितुं, यत्र तत्र का इति कर्कशध्वनिना वातावरणमाकुलीकरोषि।

न रूपम्, न ध्वनिरस्ति। कृष्णवर्णम् मध्यामेध्यभक्षकं त्वं कथं वनराजं मन्यमहे वयम्?

काकः— अरे! अरे! किमर्थं जल्पसि? यदि अहं कृष्णवर्णः तर्हि त्वं किं गौराङ्गः? अपि च विस्मर्यते किं यत्

मम सत्यप्रियता तु जनानां कृते उदाहरणस्वरूपा "अनृतं वदसि चेत् काकः दशेत्"— इति प्रकारेण। अस्माकं परिश्रमः ऐक्यं च विश्वप्रथितम्। अपि च काकचेष्टः विद्यार्थी एव आदर्शच्छत्रः मन्यते।

1 एकपदेन उत्तरत।

{1/2x2=1}

- क. वनराजः कः अस्ति?
ख. कस्य ध्वनिः कर्कशा वर्तते?

2 पूर्णवाक्येन उत्तरत।

{1x2=2}

- क. केषाम् ऐक्यं विश्वप्रथितम्?
ख. कस्य सत्यप्रियता जनानां कृते उदाहरणस्वरूपा?

3 निर्देशानुसारम् उत्तरत।

{1/2x4=2}

क. 'एकता' इति पदस्य समानार्थकं पदं नाट्यांशे किमस्ति?

{अ} एलाम् {ब} आदर्शछात्रः {स} अनृतम् {द} ऐक्यम्

ख. 'निस्संशयः' इति पदस्य विपरीतार्थकम् पदं नाट्यांशे किमस्ति?

{अ} असंशयः {ब} न संशयः {स} संशयः {द} समयः

ग. 'जल्पसि' इति क्रियापदस्य कर्तृपदं किम्?

{अ} अहम् {ब} पिकः {स} काकः {द} त्वम्

घ. 'गौर वर्णः' इत्यर्थे गद्यांशे किम् प्रयुक्तम्?

{अ} कृष्णवर्णः {ब} धूम्रवर्णः {स} गौराङ्गाः {द} गौराङ्गः

प्रश्न 14 अधोलिखितं पद्यांशं पठित्वा प्रश्नानाम् उत्तराणि लिखत।

तोयैरल्पैरपि करुणया भीमभानौ निदाघे
मालाकार! व्यरचि भवता या तरोरस्य पुष्टिः
सा किं शक्या जनयितुमिह प्रावृष्येन वारां
धारासारानपि विकिरता विश्वतो वारिदेन

1 एकपदेन उत्तरत।

{1/2x2=1}

क. अत्र कः संबोध्यते?

ख. भानुः कदा अत्यधिकः तप्तः भवति?

2 पूर्णवाक्येन उत्तरत।

{1x2=2}

क. मालाकारेण कथं वृक्षाणाम् पुष्टिः क्रियते?

ख. वारिदः किं करोति?

3 निर्देशानुसारम् उत्तरत।

{1/2x4=2}

क. 'भवता' एतत् सर्वनाम् पदं कस्मै प्रयुक्तम्?

{अ} सूर्याय {ब} पादपाय {स} वारिदाय {द} मालाकाराय

ख. 'वृद्धिः' एतस्य किं पर्यायपदं प्लोके प्रयुक्तम् अस्ति?

{अ} पुष्टिः {ब} भवद्भिः {स} वारिभिः {द} तोयैः

ग. 'तोयैः' पदस्य किं विशेषणपदं अत्र प्रयुक्तम् अस्ति?

{अ} अपि {ब} अल्पैः {स} जनैः {द} तोयैः

घ. 'व्यरचि भवता या तरोरस्य पुष्टिः' अस्मिन् वाक्ये क्रियापदं किं अस्ति?

{अ} व्यरचि {ब} भवता {स} तरोरस्य {द} पुष्टिः

प्रश्न 15 रेखांकितपदानि आधृत्य उचितं प्रश्ननिर्माणं कृत्वा लिखत।

{1x4=4}

क. करुणापरो गृही तस्मै आश्रयं प्रायच्छत्।

ख. ग्रामवासिनः स्वगृहात् निष्क्रम्य तत्र आगच्छन्।

ग. साधूनां चित्ते वाचि च सरलता भवति।

घ. मेघाः वृष्टिभिः वसुधां आर्दयन्ति।

ङ. रामः कुशलवौ अङ्कम् उपवेशयति।

प्रश्न 16 अधोलिखितं काव्यांशं पठित्वा अन्वयं पूरयित्वा लिखत।

{1x4=4}

अयि! चल बन्धो! खगकुलकलरव गुंजितवनदेशम्।

पुर-कलरव सम्प्रमितजनेभ्यो धृतसुखसन्देशम्।।

चाकचिक्यलालं नो कुर्याज्जीवितरसहरणम्। शुचि।।

अन्वयः— बन्धो! खगकुल (1) ————— गुंजितवनदेशम् (2) ————— पुर-कलरवसम्प्रमित

(3) ————— धृतसुखसन्देशम्। चाकचिक्यलालं जीवितं (4) ————— हरणम् न कुर्यात्।

अधोलिखितं काव्यांशं पठित्वा मंजूषातः शब्दं चित्वा भावार्थं प्रपूर्य लिखत ।

आपेदिरेऽम्बरपथं परितः पतंगाः, भृगाः रसालमुकुलानि समाश्रन्ते।

संकोचमंचति सरस्त्वयि दीनदीनो, मीनो नु हन्त कतमां गतिमभ्युपैति।।

भावार्थः— पतंगाः परितः (1) ————— आपेदिरे (2) ————— रसालमुकुलानि समाश्रन्ते।

सरः (3) ————— संकोचम् अंचति, हन्त (4) ————— मीनः नु कतमां गतिम् अभ्युपैति।

प्रश्न 17 अधोलिखितानि वाक्यानि घटनाक्रमानुसारम् लिखत ।

{ $\frac{1}{2} \times 8 = 4$ }

क. अहमत्र भवतोः जनकं नाम वेदितुम् इच्छामि।

ख. तपोवनवासिनः देवीति नाम्ना आह्वयन्ति, भगवान् वाल्मीकिः वधूरिति।

ग. आर्यस्य वन्दनायां लव इत्यात्मानं श्रावयामि।

घ. अपि अनयोः कुमारयोः अस्माकं च सर्वथा समरूपः कुटुम्बवृत्तान्तः।

ङ. तस्मात् अङ्क-व्यवहितमध्यास्तां सिंहासनम्।

च. क्षत्रियकुलपितामहयोः सूर्यचन्द्रयोः को वा भवतोः वंशस्य कर्ता?

छ. ततः तापसौ कुशलवौ प्रविशतः।

ज. भवतोः किं वयमत्र कुशलप्रश्नस्य भाजनम् एव।

प्रश्न 18 अधोलिखितानि रेखांकितपदानि आधृत्य विकल्पेभ्यः उचितार्थं चित्वा लिखत। (केचन त्रयः)

{ $1 \times 3 = 3$ }

क. सोऽयं परिकरः श्रोतारं पुनाति।

{अ} पुमाम् करोति {ब} पवित्रं करोति

{स} पातयति

{द} धुनाति

ख. किम् कुपिता एवं भणति?

{अ} शोषयति

{ब} चलति

{स} भ्रमति

{द} कथयति

ग. ऋषभः गन्तुमशक्तः क्षेत्रे पपात।

{अ} अपतत्

{ब} अगच्छत्

{स} अमारयत्

{द} अपश्यत्

घ. नरः आत्मनः प्रभूतानि सुखानि इच्छति।

{अ} स्वानि

{ब} काष्ठानि

{स} बहूनि

{द} देहानि



DELHI PUBLIC SCHOOL

SAIL TOWNSHIP, RANCHI

PRE BOARD - I (2024-25)

Class - X
Time - 3 Hours

Subject - Science
Maximum Marks- 80

General Instructions:

- This question paper consists of 39 questions in 5 sections.
- 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 consists of 20 objective type questions carrying 1 mark each.
- Section B consists of 6 Very Short Answer questions carrying 02 marks each. Answers to these questions should be in the range of 30 to 50 words.
- Section C consists of 7 Short Answer type questions carrying 03 marks each. Answers to these questions should be in the range of 50 to 80 words.
- Section D consists of 3 Long Answer type questions carrying 05 marks each. Answer to these questions should be in the range of 80 to 120 words.
- Section E consists of 3 source-based/case-based units of assessment of 04 marks each with sub-parts. Internal choice is provided in one of these sub parts.

SECTION A [1x20=20]

- Which of the following is an odd one out ? [1]
(a) $\text{NaCl} + \text{AgNO}_3 \rightarrow \text{NaNO}_3 + \text{AgCl}$
(b) $\text{KNO}_3 + \text{H}_2\text{SO}_4 \rightarrow \text{K}_2\text{SO}_4 + \text{HNO}_3$
(c) $\text{CaO} + \text{H}_2\text{O} \rightarrow \text{Ca(OH)}_2$
(d) $2\text{NaOH} + \text{CO}_2 \rightarrow \text{Na}_2\text{CO}_3 + \text{H}_2\text{O}$
- Select a pair of natural indicator from the following [1]
(a) Litmus and Methyl Orange
(b) Turmeric and Litmus
(c) Phenolphthalein and Methyl Orange.
(d) Methyl Orange and Turmeric.
- Sodium Carbonate is a basic salt because it is a salt of [1]
(a) weak acid and strong base
(b) strong acid and strong base
(c) weak acid and weak base
(d) strong acid and weak base
- Silver articles turn black on prolong exposure to air due to formation of a layer of [1]
(a) Ag_2O (b) Ag_3N (c) Ag_3N and Ag_2S (d) Ag_2S
- A molecule of ammonia has [1]
(a) only single bonds
(b) only double bonds
(c) only triple bonds
(d) two double and one single bonds

6. Name given organic compound

[1]



- (a) Propanol
- (b) Propanal
- (c) Propanone
- (d) Propanoic Acid

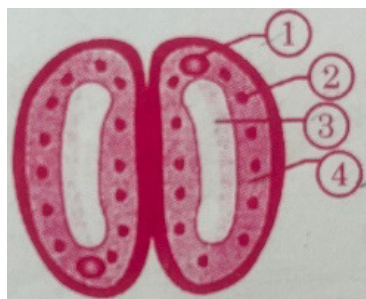
7. Concentrated H₂SO₄, when reacted with ethanol gives _____

[1]

- (a) ethane
- (b) ethene
- (c) ethyne
- (d) ethanoic acid

8. In the given diagram of a closed stomata: (1), (2), (3) and (4), respectively are

[1]



- (a) nucleus, chloroplast, guard cell, vacuole
- (b) nucleus, chloroplast, vacuole, guard cell
- (c) chloroplast, nucleus, vacuole, guard cell
- (d) vacuole, guard cell, nucleus, chloroplast

9. Consider the following statements in connection with the functions of the blood vessels marked A and B, in the diagram of a human heart as shown.: [1]

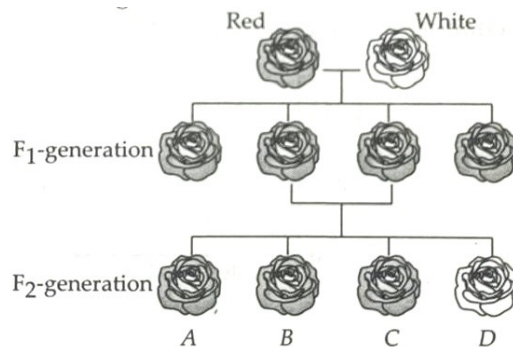


- i. Blood vessel A - It carries carbon dioxide-rich blood to the lungs.
- ii. Blood vessel B - It carries oxygen-rich blood from the lungs.
- iii. Blood vessel B - The left atrium relaxes as it receives blood from this blood vessel
- iv. Blood vessel A -The right atrium has a thick muscular wall as it has to pump blood to this blood vessel.

The correct statements are.....

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

10. Which juice secreted by the organs in the alimentary canal plays an important role in the digestion of fats? [1]
- Pancreatic juice, saliva
 - Hydrochloric acid, mucus
 - Bile juice, Pancreatic juice
 - Saliva, hydrochloric acid
11. Which of the following statement (s) is (are) true about the human brain? [1]
- Involuntary actions like blood pressure and salivation are controlled by the medulla in the hindbrain.
 - The cerebellum does not control the posture and balance of the body.
 - Centres of hearing, smell, memory, sight etc are located in the forebrain.
 - The main thinking part of the brain is the mid brain.
- i, ii and iii
 - ii and iii
 - i and iii
 - i and ii
12. The diagram given below shows the inheritance of flower colour in pure breeding roses: [1]



- Which of the following flowers are heterozygous for colour in F₂ generation?
- A and C
 - A and B
 - Only C
 - B and C
13. The laws of reflection hold true for: [1]
- plane mirrors only
 - concave mirrors only
 - convex mirrors only
 - all reflecting surfaces
14. The human eye can focus objects at different distances, by adjusting the focal length of the eye lens. This is due to: [1]
- presbyopia
 - accommodation
 - near sightedness
 - far sightedness

15. Choose the option giving the correct matching of the items in Columns – I and II. [1]

Column I	Column II
A. Physical environment	(i) Ozone layer depletion
B. Exposure to UV radiation	(ii) Bacteria and Fungi
C. Chloroflouro Carbon compounds	(iii) Abiotic components
D. Decomposers	(iv) Skin cancer

- A B C D
- (a) (iii) (i) (iv) (ii)
- (b) (iii) (iv) (i) (ii)
- (c) (iii) (iv) (ii) (i)
- (d) (iii) (i) (ii) (iv)

16. The decomposers in an ecosystem: [1]

- (a) Convert inorganic material to simpler forms.
- (b) Convert organic material to inorganic forms.
- (c) Convert inorganic materials into organic compounds.
- (d) Do not breakdown organic compounds.

For questions number 17 and 20, two statements are given- one labelled Assertion (A) and the other labelled Reason (R). Select the correct answer to these questions from the codes (a), (b), (c), and (d) as given below: -

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

17. **Assertion (A):** Propane and Cyclopropane are not isomers. [1]

Reason(R): : They have different molecular formulas.

18. **Assertion (A):** Sex in all the living organisms is not genetically determined. [1]

Reason (R): In few reptiles, the temperature at which fertilised eggs are kept determines whether the animals developing in the eggs will be male or female.

19. **Assertion (A):** In Fleming's Left-Hand rule, the direction of magnetic field, force and current are mutually perpendicular.

Reason(R): Fleming's Left-Hand rule is applied to measure the induced current. [1]

20. **Assertion (A):** The length and complexity of food chains vary greatly.

Reason (R): Food chains generally consist of only three or four steps, and instead of a straight-line food chain, the relationship can be shown as a series of branching lines called a food web. [1]

SECTION B [2x6=12]

21. Give reason for: - [2]

- i. Copper is used to make hot water tanks instead of steel .
- ii. Ores of many metals appear as oxides.

OR

Give the differences between Calcination and Roasting. [2]

22. Differentiate between arteries and veins on the basis of the following points:

[2]

S. No.	Basis of difference	Arteries	Veins
1.	Function		
2.	Structure		

23. Attempt either option A or B

[2]

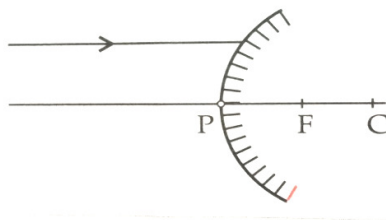
A. Describe how photosynthesis allows autotrophs to convert light energy, carbon dioxide and water into glucose and oxygen and why this process is crucial for sustaining life on Earth.

OR

B. How does the structure of the small intestine aid in nutrient absorption in humans?

24. A ray of light is incident on a convex mirror as shown.

[2]

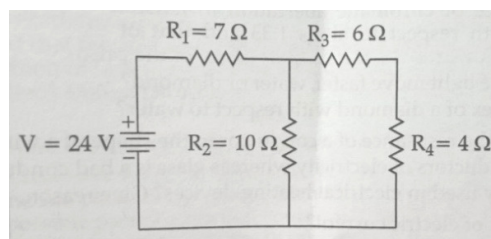


(a) Redraw the diagram and complete the path of this ray after reflection from the mirror.

(b) Mark angle of incidence and angle of reflection on it.

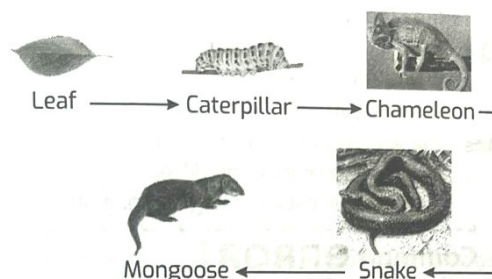
25. Calculate the total resistance of the circuit and find the total current in the circuit.

[2]



26. Study the food chain given below and answer the questions that follow:

[2]



- If the amount of energy available at the third trophic level is 100 joules, then how much energy will be available at the producer level? Justify your answer.
- Is it possible to have two more trophic levels in this food chain just before the fourth trophic level? Give a reason to support your answer.

SECTION C [3x7=21]

27. i. A shiny brown metal 'X' on heating in air becomes black in colour. Name the element 'X' and black coloured compound formed. [1]
ii. Differentiate between displacement and double displacement reaction. Give one example for each of them. [2]
28. i. Equal lengths of Magnesium ribbons are placed in test tubes A and B. Hydrochloric acid is added to test tube A and Acetic acid is added to test tube B. Amount and concentrations taken in both the test tubes is the same. In which test tube will there be more vigorous reaction and why?
ii. Do basic solutions have $H^+(aq)$ ions? If yes, then why are these basic?
iii. Give the chemical reaction for preparation of bleaching powder. [1+1+1]
29. (a) What is translocation? Why is it essential for plants? [3]
(b) What is the difference between the transport of materials in xylem and phloem?
30. In a family of four individuals, the father possessed free ear lobes (F) and the mother possessed attached ear lobes (f). [3]
i. If the parents had pure dominant and recessive traits, respectively, then calculate the ratio of the genetic makeup of the F_2 generation. Show a suitable cross.
ii. Is the inheritance of the free ear lobe linked with sex of the individuals? Give reasons for your answer after analysing the data mentioned above.
31. A student focused the image of a candle flame on a white screen using a convex lens. He noted down the positions of the candle flame, screen and the lens as given below:
Position of the candle flame = 12.0 cm; Position of the lens = 50.0 cm; Position of the screen = 88.0 cm [3]
(a) Find the focal length of the convex lens.
(b) Find the position of the image of the candle flame if it is shifted towards the lens at a position of 31.0 cm.
(c) State the nature of the image formed if the candle flame is further shifted towards the lens.
32. (a) What is the meaning of the electric power of an electrical device? Write its SI unit. [3]
(b) An electric kettle of 2 kW is used for 2 h. Calculate the energy consumed in:
(i) kilowatt hour and (ii) joules.
33. Ananya responded to the question: Why do electrical appliances with metallic bodies are connected to the mains through a three pin plug, whereas an electric bulb can be connected with a two pin plug?
She wrote: Three pin connections reduce heating of connecting wires.
(a) Is her answer correct or incorrect? Justify it and suggest correction in statement if required .
(b) What is the function of a fuse in a domestic circuit? [3]

SECTION D [5x3=15]

34. i. Draw the electron dot diagram for CH_3OH . Show the covalent bonds clearly.
ii. Give the esterification reaction and name the chemicals involved in the reaction.
iii. Why is acetic acid called 'Glacial Acetic Acid' ? [2+2+1]

OR

- i. Explain the cleansing action of soaps .
ii. Complete the following reactions :-
(a) $\text{CH}_3\text{COOH} + \text{NaHCO}_3 \rightarrow$ [2+2+1]
(b) $\text{C}_2\text{H}_4 + \text{H}_2$ Nickel
iii. Draw the structure of :- (a) Methanal (b) Butanoic acid

35. Attempt either option A or B

A.

- (a) Explain the process of fertilization in angiospermic plants with the help of a diagram showing the germination of pollen on a stigma. [3]
(b) What happens to the following parts after fertilization:
i. ovary and ii. ovule? [1]
(c) State the significance of pollen tube. [1]

OR

B.

- (a) Draw the diagram of human female reproductive system and label the following parts: [3]
i. Where block is created surgically to prevent fertilization.
ii. Where copper-T is inserted.
iii. Where male germ cells are delivered.
iv. Where female germ cells are produced.
(b) Given below are certain situations. Analyse and describe its possible impact on a person, if
i. Testosterone is not produced by testis. [1]
ii. Secretions of seminal vesicles and prostate glands are not added to sperms along the path of the vas deferens. [1]

36. The image of a candle flame placed at a distance of 30 cm from a mirror is formed on a screen placed in front of the mirror at a distance of 60 cm from its pole. [5]
(a) What is the nature of the mirror?
(b) Find its focal length.
(c) If the height of the flame is 2.4 cm, find the height of its image. State whether the image formed is erect or inverted.
(d) Draw appropriate Ray diagram for it.

OR

The image formed by a spherical mirror is real, inverted and is of magnification -2 .

- (a) If the image is at a distance of 30 cm from the mirror, where is the object placed?
(b) Find the focal length of the mirror.
(c) List two characteristics of the image formed if the object is moved 10 cm towards the mirror.
(d) Draw appropriate Ray diagram for it.

SECTION E (Case study type question)

37. The metals produced by various reduction processes are not very pure. They contain impurities which are further purified by various chemical reactions to obtain pure metal. Some of the metals are reactive while others are not. Each of these metals are of great utility to us.

Answer the following questions:

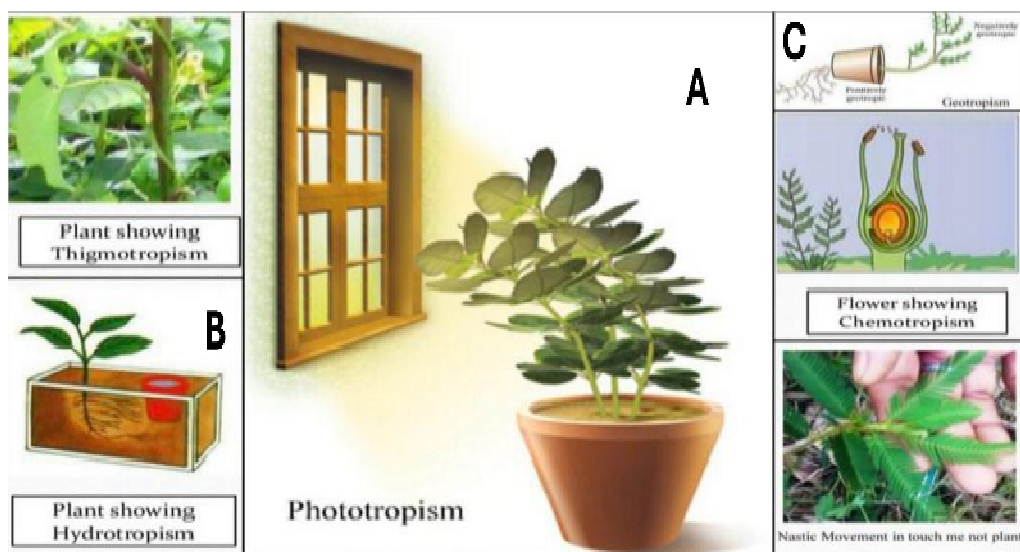
[4]

- Give a chemical reaction showing the reduction of a Zinc oxide to Zinc metal.
- During electro refining of crude a metal 'M', what is the anode and cathode made up of?
- Name a metal which displaces hydrogen gas from dilute acid and a metal which does not displace hydrogen gas from dilute acid.
- Does an iron nail rust when it is immersed in distilled water? Justify your answer

OR

- Give any 2 observations seen when Zinc is added CuSO_4 solution.

38. The control and coordination in plants is done by hormones. The plant hormones coordinate the activities of the plant by controlling one or the other aspects of the growth of the plants. So, plant hormones are also known as plant growth substances. Growth in plants, as well as promotion of dormancy, breaking of dormancy, stomata control, falling of leaves, fruit growth, etc., in plants are controlled by the various plant hormones.



Attempt either subpart A or B

- A. How do auxins promote the growth of tendrils around a support?

[2]

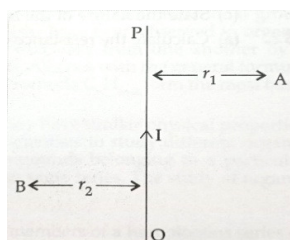
OR

- B. What is the relationship between the movement shown in parts B and C of the above figure? What is the stimulus in chemotropism?
- C. Compare the movement of leaves of the sensitive plant with the movement shown in part A of the above figure.
- D. Give an example of a plant hormone that
- Promotes cell division and
 - Inhibits growth

[1]

[1]

39. PQ is a current carrying conductor in the plane of the paper as shown in the figure below.



- (a) Find the directions of the magnetic fields produced by it at points A and B. [1]
- (b) Name the rule that is used to find the direction of magnetic field in above diagram. [1]
- (c) If the polarity of the battery connected to the wire is reversed, how would the direction of the magnetic field be changed? Draw magnetic field lines for it. [2]

OR

- (c) Given $r_1 > r_2$, where will the strength of the magnetic field be larger? Give reasons. Discuss the factors on which magnetic field due to a straight current carrying wire depends. [2]
-



DELHI PUBLIC SCHOOL

SAIL TOWNSHIP, RANCHI

PRE BOARD - I (2024-25)

Class - X
Time -3 Hours

Subject - Social Science
Maximum Marks- 80

General Instructions:

1. The question paper comprises Six Sections - A, B, C, D, E and F. There are 37 questions in the Question paper. All questions are compulsory.
 2. **Section A** - From questions 1 to 20 are MCQs of 1 mark each.
 3. **Section B** - Question no. 21 to 24 are Very Short Answer Type Questions, carrying 2 marks each. Answer to each question should not exceed 40 words.
 4. **Section C** - Question no. 25 to 29 are Short Answer Type Questions, carrying 3 marks each. Answer to each question should not exceed 60 words.
 5. **Section D** - Question no. 30 to 33 are long answer type questions, carrying 5 marks each. Answer to each question should not exceed 120 words.
 6. **Section-E** - Questions no from 34 to 36 are case based questions with three sub questions and are of 4 marks each. Answer to each question should not exceed 100 words.
 7. **Section F** - Question no. 37 is map based, carrying 5 marks with two parts, 37 (a) from History (2 marks) and 37 (b) from 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.
 9. Separate instructions are given with each section and question, wherever necessary.
-

SECTION A MCQs (1X20=20)

1. Identify the appropriate reason for the formation of the Swaraj Party from the options given below
(a) It wanted members of Congress to return to council politics.
(b) It wanted members of Congress to ask for Poorna Swaraj for Indians.
(c) It wanted members of Congress to oppose the Simon Commission.
(d) It wanted members of Congress to ask the Dominion State for India [1]
2. Which is the first state in India that has made rooftop rainwater harvesting compulsory to all the houses across the state?
(a) Tamil Nadu
(b) Maharashtra
(c) Rajasthan
(d) Meghalaya [1]

3. Read the given table and answer the following question.

State	Haryana	Kerala	Bihar
Infant Mortality Rate per 1000 live births(2017)	30	10	35
Literacy rate %(2011)	82	94	62
Net Attendance Ratio (per 100 persons). Secondary stage (age 14 and 15 years) 2013-14	61	83	43

As for the data, the literacy rate is highest in Kerala while the infant mortality rate is highest in Bihar. What does it show?

- (a) Most of the people living in Kerala and Bihar have good living conditions.
- (b) Both Bihar and Kerala lack basic necessities of life .
- (c) The standard of living is better in Kerala as compared to Bihar.
- (d) The standard of living is better in Bihar as compared to Kerala.

[1]

4. Match the following and choose the correct option given below:

[1]

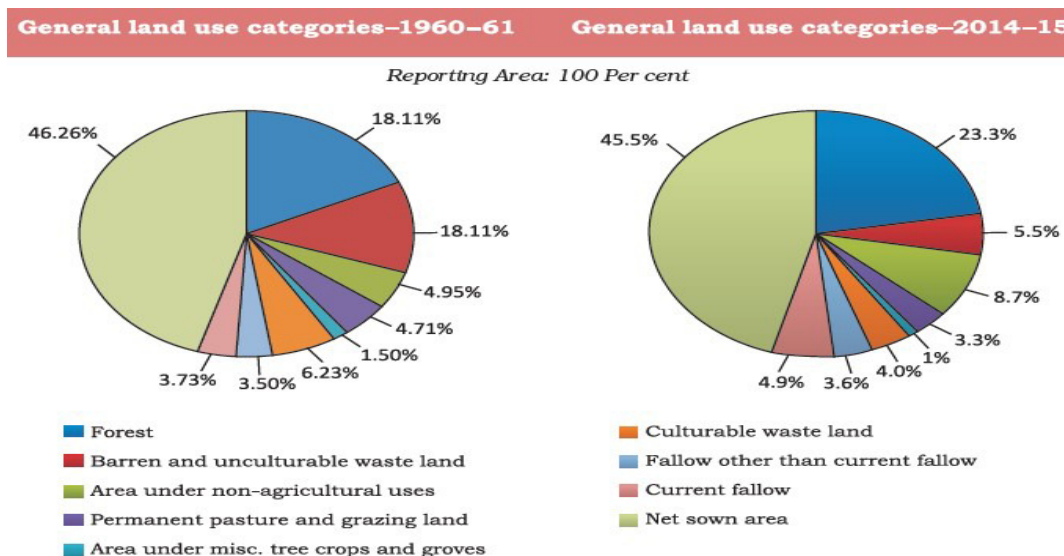
Column I	Column II
a. Reserved Forests	i. Other forests and wastelands belonging to both government and private individuals and communities.
b. Protected Forests	ii. Forests are regarded as most valuable as far as the conservation of forests and wildlife resources.
c. Unclassed Forests	iii. Forest Lands are protected from any further depletion.

Options :

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

5. Interpret the following pie diagrams and choose the correct option for the following question.

[1]



The land left uncultivated for more than 5 agricultural years is called

- (a) Current fallow
- (b) Fallow other than current fallow
- (c) Culturable waste land
- (d) Barren and unculturable waste land

6. Identify the principle being described based on the following clues

- This principle ensures that decision making follows norms and procedures.
- It allows citizens to examine the process of decision making.
- This principle is often missing from non democratic governments.

Options

- (a) Accountability (b) Transparency (c) Efficiency (d) Legitimacy [1]

7. The term 'Tamil Eelam' refers to _____

- (a) A Tamil language policy
(b) A proposed independent Tamil state.
(c) A Tamil festival.
(d) A peace agreement between Sinhala and Tamilians. [1]

8. What is the primary reason that modern currency is accepted as a medium of exchange ?

- (a) Modern currency is backed by precious metals such as gold and silver.
(b) Modern currency is universally accepted by all individuals.
(c) Modern currency is easily transportable and durable.
(d) Modern currency is authorized by the government as legal tender. [1]

9. Suppose you are reading an article. The article is based on Gandhiji's idea of Satyagraha. But the articles have minor errors. As a keen learner of social science, identify those errors.

- I. The idea of Satyagraha emphasised the power of truth and the need to search for truth.
II. One can win the oppressor even by appealing to the disharmony. Oppressor should be made to see the truth.
III. This idea suggested that if the cause was true, if the struggle was against injustice, then physical force was not necessary to fight the oppressor. With or without being aggressive, the satyagrahi could win the battle.

Codes

- (a) Only II (b) I and II (c) I and III (d) II and III [1]

10. The Subjects like-Defense, Banking and Communication are come under which list?

- (a) Union list
(b) State list
(c) Concurrent list
(d) Residual list [1]

11. Match the following:

List I (Terms)	List II (Descriptions)
A. Globalisation	1. Removing barriers or restrictions set by the government.
B. Liberalisation	2. Taxes or restrictions imposed on imports to regulate foreign trade.
C. Trade Barriers	3. Foreign companies investing in countries with cheap production locations.
D. Foreign Investment by MNC	4. Process of rapid integration or interconnection between countries.

Codes

- A B C D A B C D
(a) 4 1 2 3 (b) 3 2 1 4
(c) 2 3 4 1 (d) 1 4 3 2 [1]

12. Who ruled France in 1830's and was forced to flee after unemployment caused workers to revolt on roads ?
- (a) King Emmanuel II
 - (b) King William I
 - (c) King Louis Philippe
 - (d) King Wilhelm
- [1]

13. Consider the statements given below and choose the correct option.

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

Statement II: India is a federation because the powers of the Union and State Governments are specified in the Constitution and they have exclusive jurisdiction on their respective subjects

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

Statement IV: India is no longer a federation because some powers of the states have been developed to the local government bodies

Options

- (a) Only Statement I is correct
 - (b) Statement I and II are correct.
 - (c) Only Statement III is correct.
 - (d) Statement III and IV are correct .
- [1]

14. Consider the following statements about GDP of a country.

(I) Purchase of sugar cane in the making of sugar.

(II) Value of sweets for sale in the market.

(III) Value of soft drinks in a restaurant.

Which of the above should be added to find out GDP?

- (a) I and II
 - (b) I and III
 - (c) II and III
 - (d) None, as all are intermediate goods.
- [1]

15. When many countries of Europe came together to form the European Union, was chosen as its headquarters.

- (a) Brussels
 - (b) Paris
 - (c) London
 - (d) Zurich
- [1]

16. Arrange the events in a chronological order.

I. Paper reached Europe from China.

II. Buddhist missionaries from China introduced hand printing technology into Japan.

III. Marco Polo brought Woodblock printing technology into Europe from China .

IV. Printing done in China by rubbing paper against the inked surface of wooden blocks.

Codes

- (a) IV, II, III, I
 - (b) IV,II,I,III
 - (c) III,II,IV,I
 - (d) II,III,I,IV
- [1]

17. Democracy is considered as a better form of government because
- It ensures economic development
 - It guarantees economic equality
 - It provides a method to resolve conflict
 - Option (a) & (b)
- [1]
18. What is the likely outcome of the Indian government imposing a tax on the import of electronic gadgets from South Korea?
- Increase in price of the imported good.
 - Reduction in imports.
 - Protection to the domestic manufacturers.
 - All of these.
- [1]
19. Arrange the following in a chronological order.
- Formation of Indian National Congress.
 - Formation of Communist Party of India, Marxist (CPI-M)
 - Formation of Bahujan Samaj Party
 - Formation of Bharatiya Janata Party
- Codes**
- I, III, II, IV
 - IV, I, III, II
 - I, II, IV, III
 - I, III, IV, II
- [1]
20. In his assignment, Manish wrote the following four points. The assignment was based on constitutional provisions that make India a secular state. As a social science student, do you find any ambiguities in his assignment?
- Our Constitution prohibits discrimination on grounds of religion.
 - The Constitution allows the state to intervene in the matters of religion in order to ensure equality within religious communities.
 - There are 22 official languages of India.
 - Under the Right to Freedom of Religion, our Constitution provides to all citizens freedom to profess, practice and propagate any religion or not to follow any.
- Codes**
- II and III
 - I, II and III
 - I and III
 - Only III
- [1]

SECTION B

VERY SHORT ANSWER QUESTIONS (2X4=8)

21. Explain any two features of Rabi cropping season. [2]
22. "Many a times introduction of new crops make the difference between life and death". Explain the statement with the example given in your book. [2]
23. "Power sharing is essential in a democratic system". Justify the statement. [2]
24. Why is decentralisation favoured in democracy? Identify any two reasons. [2]

SECTION C
SHORT ANSWER-BASED QUESTIONS (3X5=15)

25. "The invention of the printing press had profound implications for religious life in early modern Europe". Examine the statement. [3]

OR

"Print played a significant role in awakening sentiments of nationalism amongst the Indians". Explain the statement with examples.

26. Study the table given below, showing employment and income in Ahmedabad and answer the questions that follow : [1+2]

Sector	Workers employed	Income generated (in million)
Organised	400000	Rs32000
Unorganised	1100000	Rs28000
Total	1500000	Rs 60000

- (i) In the table given above , we can analyze that in the unorganized sector more workers are employed as compared to organized sector but still the income generated by the unorganized sector is far behind the organized sector. What is the reason behind it?
- (ii) What kind of measures can be adopted for generating more employment opportunities?
27. "Resource planning is a complex process." Justify the statement with arguments. [3]
28. Exclusive attention to caste can produce negative results as well. Comment. [3]
29. Study the table and answer the questions given below. [3]

Share of sectors in GDP in %			
Year	Tertiary	Secondary	Primary
1973-74	50	10	40
2013-14	68	21	11

It can be observed that comparatively over the last forty years, the Tertiary Sector has emerged as the largest producing sector among the three sectors. Highlight the factors responsible for the rising importance of the Tertiary Sector in Production.

OR

Raman works in an office as a full time employee and Raju works under a contractor as a casual labour .

Identify the sector where Raman is employed as an employee and discuss the benefits of that sector compared to the sector where Raju is employed as a casual labour. [1+2]

SECTION D
LONG ANSWER-BASED QUESTIONS (5X4=20)

30. Analyse the impacts of mining activities on the health of the miners and the environment. [5]

OR

Why is there a pressing need for using renewable energy sources in India? Explain any five reasons.

31. Explain the term 'Conservatism' with special reference to Europe. [5]

OR

"How did the revolutionaries spread their ideas in many European States after 1815"? Explain briefly with the support of examples.

32. What are the main differences between National and Regional parties? [5]

OR

"Lack of internal democracy within parties is the major challenge to political parties all over the world". Analyse the statement.

33. Savita has formed a self-help group in her village with some other women of her village. What is the idea behind the formation of selfhelp groups or SHGs? Explain the functioning of the SHGs. [1 + 4]

OR

Do you think for the development of poor people they should get credit more from the formal sources? Support your answer with valid reasons. [5]

SECTION - E

CASE-BASED QUESTIONS (4X3=12)

34. Read the source given below and answer the following questions.

The Congress Working Committee, in its meeting in Wardha on 14 July 1942, passed the historic Quit India resolution demanding that the British immediately transfer power to Indians and leave India. On 8th August 1942 in Mumbai, the All India Congress Committee endorsed the resolution which called for a non violent mass struggle on the widest possible scale throughout the country. It was on this occasion that Gandhiji delivered the famous ' Do or Die ' speech. The call for Quit India almost brought the state machinery to a standstill in large parts of the country as people voluntarily threw themselves into the movement. People observed hartals and demonstrations and processions were accompanied by national songs and slogans. The movement was truly a mass movement which brought into its ambit thousands of ordinary people, namely students, workers and peasants. It also saw the active participation of leaders, namely, Jayprakash Narayan, Aruna Asaf Ali and Ram Manohar Lohia and many women leaders such as Matangini Hazra in Bengal, Kanaklata Barua in Assam and Rama Devi in Odisha. The British responded with force, yet it took more than a year to suppress the movement.

i. Where did Gandhiji give his famous do or die speech ? [1]

ii. What was mentioned in Quit India resolution ? [1]

iii. Quit India Movement was a mass movement . Justify [2]

35. Read the source given below and answer the questions that follow: [1+1+2]

National Thermal Power Corporation (NTPC) shows the way

NTPC is a major power providing corporation in India. It has ISO certification for EMS (Environment Management System) 14001. The corporation has a proactive approach for preserving the natural environment and resources like water, oil and gas and fuels in places where it is setting up power plants. This has been possible through:

(a) Optimum utilisation of equipment adopting latest techniques and upgrading existing equipment.

(b) Minimising waste generation by maximising ash utilisation.

(c) Providing green belts for nurturing ecological balance and addressing the question of special purpose vehicles for afforestation.

- (d) Reducing environmental pollution through ash pond management, ash water recycling system and liquid waste management.
- (e) Ecological monitoring, reviews and online database management for all its power stations.
 - i. Define the term 'sustainable development.'
 - ii. What is the idea behind ISO certification?
 - iii. Examine any two proactive approach of National Thermal Power Corporation.

36. Read the following text carefully and answer the questions that follow:

Suppose for the present that a particular country is quite developed. We would certainly like this level of development to go up further or at least be maintained for future generations. This is obviously desirable. However, since the second half of the twentieth century, a number of scientists have been warning that the present type and levels of development are not sustainable. Groundwater is an example of renewable resources. These resources are replenished by nature as in case of crops and plants. However, even these resources may be overused. For example, In case of ground water, If we use more than what is being replenished by rain then we would be overusing this resource. Non-renewable sources are those which will get exhausted after years of use. We have a fixed stock on earth that cannot be replenished. We do discover new resources that we did not know of earlier. New sources in this way add to the stock. However, over time, even this will get exhausted. Consequences of environmental degradation do not respect national state boundaries; this issue is no longer region or nation-specific. Our future is linked together. Sustainability of development is comparatively a new area of knowledge in which scientists , economists ,philosophers and other social scientists are working together. In general, the question of development or progress is perennial. At all times as a member of society and as individual we need to ask where we want to go, what we wish to become and what our goals are. So the debate on development continues.

- i. Identify the new area of knowledge which has been a subject of interest for social scientists and philosophers alike. [1]
- ii. What have the scientists warned about the present type of development? Explain. [1]
- iii. Explain any two ways to save the environment from the degradation ? [2]

SECTION - F

MAP SKILL BASED QUESTIONS (2+3=5)

37. (a) Two places (A) & (B) have been marked on the given map. Identify them with the help of following information given: [1+1]
- (A) The place associated with the Congress session of September 1920.
 - (B) A place associated with Mill workers Satyagraha.
- (b) On the same outline map of India, locate and label **any three** of the following with suitable symbols: [1+1+1]
- i. A dam built on river Chambal
 - ii. A software technology park in Uttar Pradesh
 - iii. A coal mine in Tamil Nadu
 - iv. A seaport located in Gujarat





DELHI PUBLIC SCHOOL

SAIL TOWNSHIP, RANCHI

PRE BOARD - I (2024-25)

Class - X
Time - 3 Hours

Subject - Spanish
Maximum Marks- 80

General Instructions:

- Question paper is divided into 4 sections.
 - It has total 13 questions.
 - Section A: 2 questions (Q. nos. 1 and 2)
 - Section B: 2 questions (Q. nos. 3 and 4)
 - Section C: 7 questions (Q. nos. 5 to 11)
 - Section D: 2 questions (Q. nos. 12 and 13)
 - Attempt questions as per specific instructions.
 - Write question no. in answer-book before attempting it.
-

Sección - A

1. Lee el siguiente texto y responde a las siguientes preguntas.

[10]

MAMÁ FONTANERA

Los papás de Rafael son jóvenes. Cuando fueron al instituto hacer un ciclo formativo de fontanería. Así, al terminar, seguro que tendrían trabajo y ganarían dinero para ayudar a sus padres. Estudiaban mucho y no faltaban nunca a clase. Sus profesores les ayudaban siempre y les explicaban todo lo que ellos no entendían. Terminaron el curso con sobresaliente y pronto encontraron trabajo. Cuando decidieron casarse, habían ahorrado bastante y así pudieron alquilar una casa, que es donde vive toda la familia. Cuando la mamá llega al trabajo, a veces a sus compañeros les parece raro que una mujer sea fontanera. Pero cuando la ven arreglar las tuberías, los grifos, instalar un cuarto de baño o una cocina, la felicitan por lo bien que hace su trabajo. ¡Ah! el papá trabaja igual de bien que la mamá. Rafael y sus dos hermanos están muy orgullosos de tener unos padres tan trabajadores y se sienten queridos por sus padres... ¡Un montón!

- (a) ¿Cómo son el padre y la madre de Rafael?
- (b) Cuando terminaron en el colegio, ¿a dónde fueron?
- (c) ¿Cuántos miembros forman esta familia?
- (d) ¿Qué notas sacaban los padres de Rafael? ¿Qué estudiaron en el instituto?
- (e) ¿Por qué están orgullosos Rafael y sus hermanos de sus padres?

2. Lee el siguiente texto y señala si son verdaderas (V) o falsas (F) las frases que siguen. [5]

Una mexicana en Europa

Hola, soy Rosa. Mi familia vive en Bruselas, aunque somos de México. En mi familia hay cuatro personas: mi padre, Guillermo, que es mi hermano menor, y yo. Primero tengo que decirles que la vida en Bruselas me aburre; cada día me entran más ganas de volver a Guadalajara, mi ciudad natal. Allí el ambiente de la ciudad es súper bueno y la gente simpática, como todos en mi país. Aquí en Bélgica, lo único es que ya hablo tres idiomas - español, francés e inglés, la lengua en que me enseñan en mi colegio internacional. Lo que no entiendo es que a Guillermo le encanta Bruselas. Nunca para de alabar la ciudad: "Que bueno es el colegio", "Qué simpáticos son mis amigos belgas" ... ¡Qué pesado! Mi padre trabaja en una multinacional de carros y mi madre es profesora de español. Aunque trabajan muchísimo entre semana, siempre tienen libres los fines de semana para salir a alguna parte en familia. A veces tomamos el Eurostar a Londres para visitar un museo, ir al teatro (¡a mi madre le chiflan los musicales!) o de compras. La última vez cenamos en un restaurante mexicano. ¡Por unas horas pude olvidarme de Bruselas que estaba en mi país!

- (a) Rosa nació en Inglaterra. V/F
- (b) En el colegio le dan clases en francés e inglés. V/F
- (c) A Guillermo le encanta su colegio. V/F
- (d) Los padres de Rosa viajan a Inglaterra cada semana. V/F
- (e) A la madre de Rosa no le gusta el teatro. V/F

Sección - B

3. Últimamente muchos jóvenes pasan todo el día frente al ordenador y no hacen deportes. Escribe un texto con consejos para llevar una vida sana. Escribe 150 - 200 palabras como mínimo. [10]
4. Escribe en tu blog cómo es tu lugar favorito en el pueblo o ciudad donde vives. Escribe 100 palabras como mínimo. [5]

Sección - C

5. Completa el texto con la forma adecuada del verbo en tiempo presente. [5]

Parecer, Haber, Ir, Ver, Hacer

¡Hola! ¡Qué frío (a) _____, hoy. Ahora yo (b) _____ para mi casa. Son las ocho de la noche. Después de llegar a casa yo y mi hermana vamos a (c) _____ la televisión. Hoy (d) _____ muchas cosas que hacer en la casa. Mi casa (e) _____ muy bonita hoy porque mi hermana la ha decorado para el cumpleaños de nuestra madre.

6. Observa la foto y responde verdadero o falso:

[5]



- (a) No hay ningún cuadro en este dibujo. V/F
- (b) Iñigo está sentado. V/F
- (c) La televisión está funcionando. V/F
- (d) No hay ninguna estantería. V/F
- (e) Hay muchos aparatos electrónicos para escuchar música. V/F

7. Relaciona las dos columnas según su sentido adecuado:

[5]

	Columna A		Columna B
(a)	Necesito comprar pan. Voy a ir a una _____	1	Pastelería
(b)	Mi amiga quería cortarse su pelo. Necesita ir a una _____	2	Carnicería
(c)	A mis padres les gusta comer carne hoy. Tengo que ir a una _____ para comprar la carne.	3	Librería
(d)	Hoy mi hermana iría a la _____ cerca de nuestra casa para comprar un libro.	4	Panadería
(e)	Hoy es el cumpleaños de mi mejor amiga. Tengo que ir a una _____ para comprar un pastel.	5	Peluquería

8. Rellena los huecos de cualquier cinco frases con el subjuntivo :

[5]

- (a) Quiero que tú _____ (estudiar) mejor.
- (b) Espero que usted _____ (tener) un buen día.
- (c) Es importante que mis amigos _____ (saber) la cosa más importante.
- (d) Es necesario que tú _____ (ir) al doctor.
- (e) Temo que _____ (haber) un problema.
- (f) Cuando yo _____ (llegar) a casa, te llamaré.
- (g) Lo importante es que vosotros _____ (comprar) esta foto.

9. Cambia cualquier de las cinco frases usando el objeto directo y/o indirecto: [5]
- (a) Ella quiere dar el dinero a ti mañana.
 - (b) Ella sirve unas gambas a nosotros.
 - (c) La madre lee la novela.
 - (d) Yo voy a enseñar inglés a mis estudiantes.
 - (e) Yo quiero contar mi historia a mi amiga.
 - (f) Él quiere escribir una carta a su hermano.
 - (g) Él prefiere traer el regalo para usted.

10. Ordena las palabras y haz cinco frases correctamente: [5]
- (a) Tiene mucha mi hermano en su vida prisa
 - (b) porque me gusta estudio en la mucho biblioteca
 - (c) ella siempre el corazón mío estará presente en
 - (d) la navidad con tus compañeros para adónde fueron
 - (e) pascua era una de mis fiestas favoritas en mi infancia
 - (f) de la plaza el café en el lunes almuerzo
 - (g) De la mesa Estás buscando están encima los libros que

11. Selecciona la respuesta correcta : [0.5x10=5]
- (a) Isabel habla con su amigo teléfono todos los días.
i) Por ii) en iii) para iv) hacia
 - (b) Hay colegas simpáticos en la oficina donde trabajo.
i) muy ii) mucho iii) muchas iv) muchos
 - (c) Si sacas buenas notas, te chocolates.
i) darás ii) daré iii) dás iv) dáis
 - (d) compro un regalo a mi madre.
i) Lo ii) Me iii) La iv) Le
 - (e) Ayer di un paseo el Museo Nacional de Antropología.
i) para ii) por iii) de iv) - - -
 - (f) Me los libros Gabriel Garcia Márquez.
i) encanto ii) encanta iii) encantan iv) encantas
 - (g) Cuando niña, yo bailaba en mi casa.
i) de ii) en iii) era iv) como
 - (h) No hay en la clase porque hay una fiesta.
i) nada ii) nunca iii) nadie iv) ninguno

- (i) Tú debes más para sacar buenas notas.
i) estudias ii) estudian iii) estudia iv) estudiar
- (j) Por favor, usted paciencia!
i) tenga ii) tiene iii) ten iv) tuve

Sección - D

12. Responde a cualquier 5 preguntas en no más de 50 palabras: [10]
- (a) Escribe dos obras de Lope de Vega y sobre el autor.
 - (b) ¿Cuál es la obra más conocida de Gabriel García Márquez? ¿Sabes algo sobre el autor?
 - (c) ¿Quién es Don Quijote de la Mancha y el Sancho Panza y qué características tienen ellos?
 - (d) ¿Cuál dos obras escribió Gustavo Adolfo Bécquer? Escribe algo sobre él autor también.
 - (e) ¿Quién es Jorge Luis Borges? Escribe sobre sus dos obras.
 - (f) ¿Para cuál dos obras famosas Camilo José Cela fue famoso?
 - (g) ¿Qué sabes de Mario Vargas Llosa y dos de sus obras?
13. Responde a las preguntas si son verdaderas o falsas. [5]
- (a) La puerta del Sol es el punto mitad de España. V/F
 - (b) Dollar Argentina es la moneda de Argentina. V/F
 - (c) Chile, Brasil, Ecuador, Colombia, Bolivia son vecinos de Perú. V/F
 - (d) Tortuguero de España fue declarado Parque Nacional el 24 de septiembre de 1970. V/F
 - (e) La forma de gobierno en España es una monarquía parlamentaria. V/F
-



DELHI PUBLIC SCHOOL

SAIL TOWNSHIP, RANCHI

PRE BOARD - I (2024-25)

Class - X
Time - 2 Hours

Subject - Introduction to Financial Markets
Maximum Marks - 50

General Instructions:

- 1) Please read the instructions carefully.
 - 2) This question paper consists of 21 questions in sections A and B respectively.
 - 3) Section A has Objective type questions and section B has Subjective type questions.
 - 4) All questions of a particular section should be attempted in the correct order.
 - 5) Out of the given (5+16) 21 questions, a candidate has to answer (5+10) 15 questions in the allotted time of two hours.
 - 6) There is no negative marking. Do as per the instructions given.
-

Section A: Objective Type Questions

1. Answer any 4 out of the 6 given questions. (1x4=4 marks)

- (i) You are writing a series of sentences that are organised and coherent and are all related to a single topic. What type of writing will it be ?
 - (a) Paragraph
 - (b) Letter
 - (c) Poem
 - (d) Alliteration
- (ii) _____ is **NOT** the quality of self confident people.
 - (a) Hard working
 - (b) Dependent
 - (c) Positive attitude
 - (d) Commitment
- (iii) How do entrepreneurs innovate into the market?
 - (a) By bringing unique and new products and services
 - (b) By doing exercises
 - (c) By hiring more people
 - (d) By contesting elections
- (iv) Business is a/an _____ activity
 - (a) Social
 - (b) Moral
 - (c) Hazardous
 - (d) Economic
- (v) The 4 R's of waste management are :
 - (a) Refuse, Reduce, Recycle, Reuse
 - (b) Reduce, Recover, Reuse, Recycle
 - (c) Reduce, Rethink, Recycle, Reuse
 - (d) Reuse, Reduce, Recycle, Rethink

- (vi) If a person is under stress for a prolonged period of time, it can cause _____.
(a) Health Problem
(b) Mental Problem
(c) Both (a) and (b)
(d) None of the above

2. Answer any 5 out of 6 given questions (1x5=5 marks)

- (i) Which of the following statements is **NOT** true with regard to stock exchange?
(a) It provides a platform for buying and selling of new securities.
(b) It curbs the marketability of securities.
(c) By providing a ready market, it extends liquidity to the securities.
(d) None of the above.
- (ii) SEBI is a regulator of-
(a) Capital Market
(b) Money Market
(c) Commodity Market
(d) Insurance Market
- (iii) Which of the following is a physical asset?
(a) Real Estate
(b) Fixed Deposits
(c) Equities
(d) None of the above
- (iv) Define IPO.
- (v) What is an Abridged Prospectus?
- (vi) What is the full form of NSDL?

3. Answer any 5 out of the 6 given questions. (1x5=5 marks)

- (i) Which of the following is not a depository?
(a) NSDL
(b) CDSL
(c) NSCCL
(d) None
- (ii) What is meant by interest payment?
(a) Payment by using the lending money.
(b) Payment by using the borrowing money.
(c) Spending the money
(d) None of the above
- (iii) Who is a Depository Participant ?
(a) The depository provides its loan to investors through its agents called Depository Participants (DPs).
(b) The depository provides deposits to investors through its agents called Depository Participants (DPs).
(c) The depository provides its stamps to investors through its agents called DepositoryParticipants(DPs).
(d) The depository provides its services to investors through its agents called Depository Participants (DPs).

- (iv) How to know if the broker or sub broker is registered?
- (v) _____ is a risk management technique that mixes a wide variety of investments within a portfolio.
- (vi) What is Rolling settlement?

4. Answer any 5 out of the 6 given questions. (1x5=5 marks)

- (i) What does higher Current Ratio indicate?
- (ii) Who pays 'Option Premium'?
- (iii) Give the definition of 'Coupon Rate'.
- (iv) Write the formula for compound interest.
- (v) Give the formula for calculating Debtor's Turnover Ratio.
- (vi) Name the contract that is settled on a specific date in the future at today's pre-agreed price.

5. Answer any 5 out of the 6 given questions. (1x5=5 marks)

- (i) What do you understand by Acid Test Ratio?
- (ii) What is Paid up Capital?
- (iii) What is a convertible bond?
- (iv) What is demutualisation of stock exchange?
- (v) What is an ADR?
- (vi) What is a stock split ?

SECTION B

Answer any 3 out of the 5 given questions in 20-30 words. (2x3=6 marks)

- 6. What is the meaning of sustainable development?
- 7. What should a strong password consist of?
- 8. State any two benefits of entrepreneurship.
- 9. What is meant by operating system of the computer software?
- 10. List the qualities of a self motivated person.

Answer any 4 out of the 6 given questions in 20-30 words. (2x4=8 marks)

- 11. Differentiate between Simple and Compound Interest.
- 12. What is an Investor Protection Fund ?
- 13. Write the difference between Bid and Ask price.
- 14. What does Buyback of Shares mean?
- 15. What is a securities market? Name the two segments of securities market.
- 16. Differentiate between Issue of shares at Par and Issue of shares at Premium giving an example.

Answer any 3 out of the 5 given questions in 50-80 words. (4x3=12 marks)

- 17. What are the types of leverage or capital structure ratios? Explain.
- 18. What rights is an investor in Mutual Fund entitled to?
- 19. What are the benefits of participation in a depository?
- 20. What is a Debt Instrument ? What are its features? Explain.
- 21. What are the advantages of book building through NSE ?