



DELHI PUBLIC SCHOOL

SAIL TOWNSHIP, RANCHI

PRE BOARD - II (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.	Which of the following software acts as an interface between the user and the computer? (a) Operating System (b) MS Excel (c) Impress (d) Digital Documentation	1
ii.	A student has difficulty in expressing themselves in a class discussion due to anxiety. This is an example of _____. (a) Perception barrier (b) Emotional barrier (c) Cultural barrier (d) Clarity barrier	1

iii.	_____ best characterizes sustainable development. (a) Ensuring the well-being of future generations (b) Prioritizing only our own interests (c) Balancing the well-being of ourselves and future generations (d) Focusing on the welfare of all	1
iv.	Geetika has prepared a timetable to achieve her goal. This skill is known as _____. (a) Self-awareness (b) Responsibility (c) Adaptability (d) Time management	1
v.	A customer comes to Naman's grocery outlet and starts expressing dissatisfaction about an item. Instead of getting angry, Naman listens to what his customer is saying. He is known for his _____. (a) Hard-working attitude (b) Confidence level (c) Patience (d) Willingness to embrace new ideas	1
vi.	_____ are small data files stored on your computer by the websites you visit. (a) Firewalls (b) Cookies (c) Temporary files (d) Files	1

Q. 2	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)	
i.	Which of the following is a fully enabled AI machine? (a) A machine that gets trained first on the training data and then optimizes itself according to its own experiences (b) A machine that relies on a set of predefined rules (c) A machine that works smartly without any past data (d) A machine that has some level of autonomy or adaptivity	1
ii.	What is the main focus of Data Science? (a) Collecting data from various sources (b) Analyzing and interpreting the collected data (c) Developing databases for record maintenance (d) Only implementing artificial intelligence in data analysis	1

iii.	Which evaluation metric is suitable for detecting a rare and life-threatening disease in medical diagnosis. (a) Precision (b) Recall (c) F1 Score (d) Accuracy	1
iv.	_____ is a measure of number of pixels that make up the image.	1
v.	_____ allows us to understand the predicted results. (a) Overfitting (b) Problem scoping (c) Confusion Matrix (d) Data Acquisition	1
vi.	Vishwanathan Anand is a great Indian chess grandmaster. What type of intelligence does he possess? (a) Naturalistic (b) Intrapersonal (c) Visual-Spatial (d) Logical-Mathematical	1

Q. 3	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)	
i	Which of the following is not an application of NLP? (a) Voice assistant (b) Siri (c) Text generation (d) Copying text	1
ii	Identify the incorrect statement from the following options: (a) Data Science is one of the domains of AI. (b) AI models can be broadly categorized into four domains. (c) Data Science is used in price comparison websites for comparing prices using machine learning algorithms. (d) The information extracted through Data Science can be used to make decisions.	1
iii.	Which NLP model helps in extracting features out of the text that can be helpful in machine learning algorithms? (a) Bag of Words (b) Big Words (c) Best Words (d) All of these	1

iv.	Which machine learning technique is used to build the Snakes and Ladders game? (a) Regression (b) Classification (c) Clustering (d) Reinforcement Learning	1
v.	Which of the following technologies has been created using machine learning? (a) Spam e-mail filtering (b) Recommendation systems (c) Weather predictions (d) All of these	1
vi.	Deep Learning is a subset of (a) Neural Network (b) Machine Learning (c) Computer Vision (d) Natural Language Processing	1

Q. 4	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)	
i.	In which field does data science enable an advanced level of personalization treatment through research? (a) Genetics & Genomics (b) Internet Search (c) Fraud and Risk Detection (d) Airline Route Planning	1
ii.	Which of the following is not a task of computer vision? (a) Guest Recognition (b) Airline Route Plan (c) Attendance System (d) Snapchat Filters	1
iii.	_____ can be defined as the measure of balance between precision and recall. (a) Recall (b) Accuracy (c) Precision (d) F1 Score	1
iv.	The term used for the whole textual data from all the documents altogether is _____. _____.	1

v	A model will simply remember the whole training set and will therefore always predict the correct label for any point in the training set. This is known as _____. (a) Overfitting (b) Perfect Fit (c) Over Remembering (d) Underfitting	
vi	Underfitting condition occurs when training performance is high and test performance is low. (True/False).	

Q. 5	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)	
i	_____ is defined as the percentage of true positive cases to all the predicted positive cases.	1
ii	Which of the following refers to the ability to perceive the visual world and understand the relationship between different objects? (a) Kinesthetic Intelligence (b) Linguistic Intelligence (c) Spatial Visual Intelligence (d) Mathematical Logical Reasoning	1
iii	Which evaluation metrics should be used when classes are balanced and both positive and negative instances are equally important? (a) Precision (b) Recall (c) Accuracy (d) F1 Score	1
iv	What would be the output if Lemmatization and Stemming techniques are applied to the word "running"? (a) running, run (b) run, runn (c) ran, run (d) None of these	1
v.	Which of the following technology is based on the adaptation of how the human brain works? (a) Supercomputing (b) Smart technology (c) Super networks (d) Neural networks	1

vi.	The type of machine learning in which the input used for training the model is neither classified or labelled is called? (a) Reinforcement learning (b) Supervised learning (c) Unsupervised learning (d) None of the above	1
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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	List four positive effects of entrepreneurship on society.	2
Q. 7	Differentiate between Eustress and Distress with suitable examples.	2
Q. 8	Enumerate the different ways available to protect your data from theft and viruses.	2
Q. 9	“Adesh, a tech fresher, doesn’t like any involvement or suggestions in his project and likes to work independently. During COVID-19, the company culture changed and asked their employees to work from home. Being a fresher, Adesh started facing technical issues.” What would be your suggestion to Adesh on working independently?	2
Q. 10	What roles and functions does an entrepreneur undertake in the realm of business and innovation?	2

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

Q. 11	What do you understand by TF-IDF? Write its formula.	2
Q. 12	Why is evaluation important? Explain.	2
Q. 13	Mention any four applications of AI in computer vision.	2
Q. 14	What are the two different approaches for AI modelling? Define them.	2
Q. 15	Write any three main concerns about AI ethics.	2
Q. 16	Differentiate between supervised machine learning and unsupervised machine learning.	2

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

Q. 17	Differentiate between Classification and Regression algorithms with the help of their respective graphs	4
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Q. 18	Are Artificial Intelligence (AI), Machine Learning (ML), Deep Learning (DL) and Data Science (DS) related to each other? If yes, how?	4									
Q. 19	Calculate Accuracy, Precision, Recall and F1 Score for the following Confusion Matrix on Heart Attack Risk. Also suggest which metric would not be a good evaluation parameter here and why? <table border="1"> <tr> <th>Matrix</th><th>Reality:1</th><th>Reality:0</th></tr> <tr> <th>Prediction: 1</th><td>50</td><td>20</td></tr> <tr> <th>Prediction: 0</th><td>10</td><td>20</td></tr> </table>	Matrix	Reality:1	Reality:0	Prediction: 1	50	20	Prediction: 0	10	20	4
Matrix	Reality:1	Reality:0									
Prediction: 1	50	20									
Prediction: 0	10	20									
Q. 20	What do you mean by AI Project Cycle? What are the stages involved in AI project cycle? Explain briefly.	4									
Q. 21	A 52-year-old man named Satya, a partially blind writer, writes short stories and poems in rural newspapers and magazines. He is dependent on villagers for his work. Suggest some NLP-based techniques so that he can continue his work independently.	4									



DELHI PUBLIC SCHOOL

SAIL TOWNSHIP, RANCHI

PRE BOARD - II (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

I. Read the following passage carefully:

1. Despite plenty of naysayers, the textbook is dead. It just doesn't know it yet and continues on walking about as though alive. I even have one, a textbook of Physics, on my bookshelf beside me that was printed in 1891. It has some line drawings and no colour. Today, textbooks have lots of colourful images and engaging questions sprinkled about them. They also have tons of advice for teachers on how to use them effectively.
2. The word "textbook" originated in the 1720s, almost 300 years ago. It's had a good run and is ready to retire. Those who argue that you cannot learn well without a textbook ignore the centuries prior to 1720 when lots of people learned and learned well with no textbooks anywhere. You can learn without textbooks. That's certain. But why should we bother to change something that worked for 300 years? Many deliver the verdict in a single word: technology. That's way too simplistic.
3. We've seen film loops, overhead projectors, motion picture projectors, machine scoring of tests and a myriad of other technological innovations in classrooms, but the textbook remains. No, technology alone will not end the reign of the textbook. It takes something more and that became available in the 1940s-the programmable electronic computer. But here we are 70 years later, with plenty of textbooks visible. The computer was not sufficient by itself.
4. The next big change began with ARPANET in the 1960s. This foundation led to the internet and its growth has been phenomenal. But a widespread communication medium alone is not sufficient to dislodge textbooks either. Inexpensive computers, easy-to-use-interfaces (GUIs) and ready access to the internet all contribute.

5. "Fine," say many. "But the textbook publishers are putting their book online. They are creating e-textbooks. So, textbooks live!"
6. This argument misses the essential difference between education technology in the earlier times and education technology in the present, other than mere cost. Computer software can be interactive. Previous education technology was, like textbooks, rather passive. Active learning is far superior to passive learning, so much so that it's not a step, not a leap but a rocket propelled launch past old-fashioned learning.
7. It's the mental engagement with something that determines whether you learn and how well. The real big exchange will come when students can jump into online situations that are more like real life, and are able to use a variety of devices to reach the web and become part of the learning community. They will be guided by a combination of human mentors and machines.
8. Furthermore, diagnostic analysis of their work will tell mentors when students are ready for certain learning and, more importantly, when they are not. Textbooks do not tap into our brains to realise this learning potential. Hence, today, the textbook is a zombie. It's just waiting for that wooden stake or silver bullet to put it to well-deserved rest.

Answer the following questions, based on the passage above.

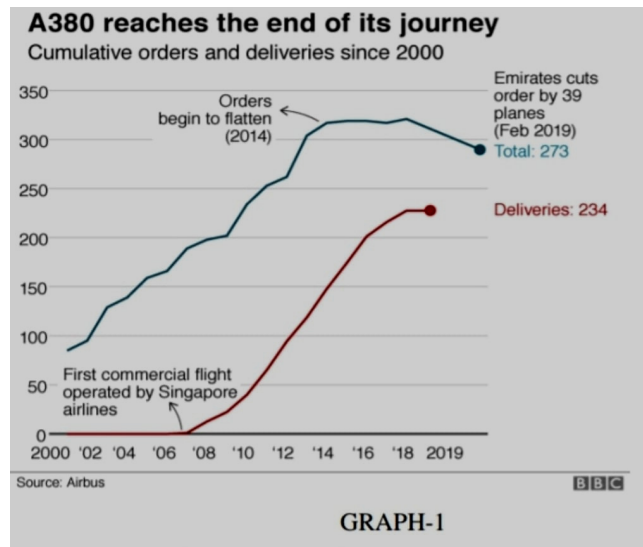
(10 marks)

- i. The writer says that one can learn without textbooks. Which is the least effective argument put forward by him? (1)
- (a) Students are no more interested in passive learning.
 - (b) Textbooks have outlived their purpose.
 - (c) Students are interested only in active learning.
 - (d) People learned prior to 1720 when textbooks were first introduced.
- ii. What is the best way according to the writer to strike a balance between passive learning and active mental engagement? Refer paragraphs 6 and 7. Rationalise your response in about 40 words. (2)
- iii. Complete the sentence appropriately. (1)
- The author's use of the term 'diagnostic analysis' refers to _____.
- iv. The passage includes some words that are opposites to each other. From the sets (a)-(e) below, identify two sets of antonyms. (1)
- (a) wooden stake or silver bullet
 - (b) learned and learned well
 - (c) human mentors and machines
 - (d) active and passive learning
 - (e) dead and alive
- v. Complete the sentence appropriately. (1)
- The main premise or the central idea of this essay according to Harry Keller is _____.

- vi. Based on the reading of the passage, examine, in about 40 words, how textbooks travelled from 18th century to the Age of Computers and what changes occurred on the way. (2)
- vii. Select the option that can weaken the author's case for a complete shift to computer learning in the passage. (1)
- The development of e-textbooks with activities that require active participation from readers.
 - A rising dependency on using technology as a medium of learning.
 - Scholarly articles comparing the effectiveness of online learning with that of textbooks.
 - Sharp increase in the creation of e-textbooks.
- viii. What explains the long life of the ordinary textbook? (1)

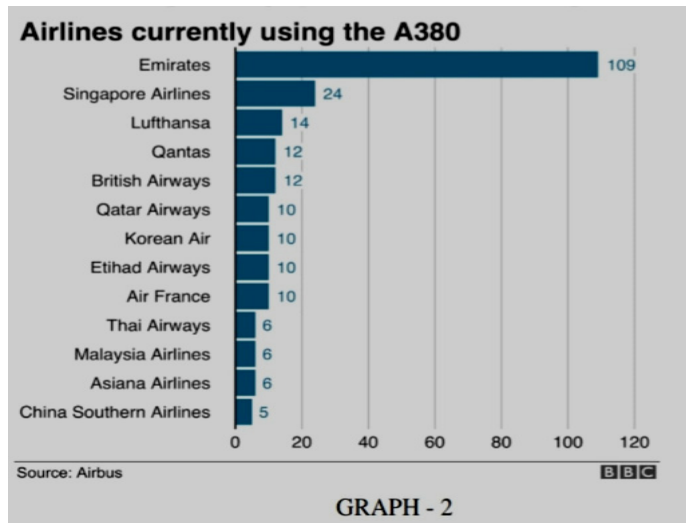
II. Read the following excerpt from a case study titled THE FALL OF THE GIANT MECHANICAL BIRD.

- When Singapore Airlines took the A380 superjumbo for its first commercial flight in 2007, there was widespread applause that the future of air travel had arrived. So why did the world's largest passenger aircraft, described as a "hotel in the sky", fail after just 12 years of production?
- While Airbus SE (the parent company) was taking a multi-billion-dollar bet that airlines would want big aircraft in the future, Boeing was developing its smaller, nimbler (and seemingly more successful) 787 Dreamliner.



- Carrying about 550 passengers - but with capacity for more over a range of 8,000 nautical miles, the A380 was pitched at the fast-growing Asia and Middle East markets, where airlines were keen to fly more people per flight.
- The A380 also boasted more than 500 sq m of usable floor space, enabling carriers to offer plush first-class suites, as well as bars, beauty salons and duty-free shops.
- Ironically, the double-decker planes are seats popular with passengers. Some argue that the A380 is too large, making it unprofitable when too many go unfilled.
- But after an initial surge of orders, especially from Dubai-based Emirates, demand dried up and the programme has never turned a profit.

The whole programme is thought to have cost \$25bn (£19.4bn) and has been dogged by controversies over subsidies from the French and German governments.



8. As of January 2019, Airbus had received 313 firm orders for the passenger version of the plane, of which 234 had been delivered. Its target was to sell 700 in total.
9. With fuel prices rising and campaigners questioning the environmental impact of aircraft, some airlines chose to opt for smaller, but more efficient, planes produced by both Boeing and Airbus.
10. Some airlines preferred to wait for more details about Boeing's new family of 777s- deliveries of which start in 2020 which has fewer seats but the same range, more payload, and two fewer engines.
11. Since 2005, a total of 57 firm orders for the A380 have been cancelled by airlines including Emirates, Virgin Atlantic and Lufthansa. A cargo version of the plane also never took off because of a lack of interest.
-BBC, FEBRUARY 2019

On the basis of your reading of passage, answer the following.

(10 marks)

1. Why was Airbus A380 widely accepted immediately after its first commercial launch in 2007? (1)
2. A380 has advantages over 787 Dreamliners and other aircrafts. Mention any two points. (2)
3. In which year did A380 start showing dip in the sales, as per graph 1. (1)
 - (a) 2014
 - (b) 2015
 - (c) 2016
 - (d) 2017
4. According to graph 2, how many airlines are having A380 in double digits? (1)
 - (a) 8
 - (b) 7
 - (c) 9
 - (d) 6

5. How did the controversies dent the already slippery grounds of A 380 and its parent company Airbus? (1)
6. What was the final avatar of A380? (1)
- (a) double decker
- (b) single deck
- (c) cargo
- (d) none of the above
7. Why was the final rescue of A380 in its new avatar a failure? (1)
8. Big aircrafts are creating higher level of emissions. In the wake of the statement, will you accept a free trip with your family by an airline company having wide aircrafts? Why? Rationalise your response in about 40 words. (2)

SECTION B - GRAMMAR & WRITING SKILLS

GRAMMAR

III. Complete ANY TEN of the twelve tasks as directed : (1×10 marks)

- i. Identify the error in the given sentence and supply the correction.

Discipline in life ensures peace and harmony which in turn, offers the impetus for a nation's progress.

Use the given format for your response.

ERROR	CORRECTION

- ii. Report the dialogue between a soldier and a boy, by completing the narration.

Boy: Sir, you are a war veteran, how does it feel to receive the adulation?

Soldier: Son, it is a very difficult question. We kill our enemies to keep our nation safe. But it is just humans killing humans.

In response to the question the boy has asked, the soldier says that
_____.

- iii. Fill in the blank to complete the narration of the dialogue between a father and a son.

Father : Why did you return home late?

Son : My motorbike's brakes had failed.

Father : Why didn't you check the brakes before starting?

The father asked his son why he had returned home late. The son replied that his motorbike's brakes had failed. The father asked him
_____.

- iv. Identify the error in the given sentence and supply the correction.

We have the little money right now; we should go out for dinner another day.

Use the given format for your response

ERROR	CORRECTION

- v. Fill in the blank by using the correct form of the word in the bracket.

The servants _____ (quarrel) for half an hour when we arrived home.

- vi. Select the correct option to fill in the blank.

You _____ use mobile phones inside the aircraft.

- (a) had to
- (b) can
- (c) could
- (d) mustn't

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

As per the report, India will allowed food processors to import duty-free wheat against a a commitment to export flour.

OPTION NO.	ERROR	CORRECTION
(a)	the	a
(b)	will	would
(c)	allowed	allow
(d)	against	for

- viii. Transform the following direct speech into reported speech:

I said to my friend, "Can I borrow your dictionary for one day?"

- ix. It is a tradition that _____ ever since.

- (a) have been celebrated
- (b) had been celebrated
- (c) has been celebrated
- (d) has been celebrating

- x. Fill in the blank with suitable option from the bracket.

Vikram Seth is one of those Indian novelists who _____ (receive/ receives) respect all over the world.

- xi. Identify the error in the given sentence and supply the correction.

Air pollution, together with littering, are causing many problems in our cities.

Use the given format for your response

ERROR	CORRECTION

xii. Identify the error in the given sentence and supply the correction.

Many a relation break due to the high expectations we keep from it.

Use the given format for your response

ERROR	CORRECTION

WRITING

IV. Attempt ANY ONE from [A] and [B] given below.

(5 marks)

[A] You have lost your original certificates of Class X and XII. You want to get the duplicates issued but you do not know the procedure. Write a letter in 100 – 120 words to the Chairman, CBSE, Preet Vihar enquiring about the fees to be deposited, mode of payment, time taken by the board for issuing duplicate certificates etc.

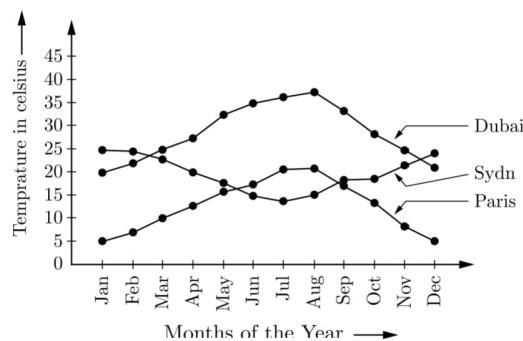
OR

[B] You are Julian/Janet. You recently visited a significant historical site and were astounded to discover it in such a condition of disrepair. Compose a letter in 100 – 120 words to the editor of a major newspaper throwing light on the terrible condition of significant archaeological and historical sites. Highlight the lack of vital services, the poor condition of upkeep, and people's abuse of it. Make suggestions on how to improve the existing conditions of the irreplaceable heritage of India.

V. Attempt ANY ONE from [A] and [B] given below.

(5 marks)

[A]. The following line graph shows the average monthly temperatures in three major cities. Write an analytical paragraph (100 – 120 words) on the basis of the line graph reporting the important information and making comparisons where relevant.



OR

[B] Given below is a newspaper report on the state of cancer prevailing in India. You have been asked to write an analytical paragraph on 'Cancer - a silent killer'. Taking information from the clipping given below together with your own ideas, write this paragraph in 100-120 words.

"In India, cities are more cancer-prone than rural areas. In the early 1990's, we expected one out of 10- 15 urban Indians to get cancer in their life-time, that is every second or third family would have to face this disease. This is partly due to high levels of benzene in the air and also that the metros are exposed to high levels of pesticides in their foods. In order to check the steady growth of cancer in the country, the Government shall have to give priority to preventive action. At the same time measures to undertake improvement in facilities for the treatment of cancer shall have to be adopted."

SECTION C - LITERATURE

VI. Read the given extracts and answer the questions for ANY ONE of the two. (5 marks)

[A] "It's me! It's my Great and Mighty Balloon Brain. The Earthlings have seen me, and they're after me. "Had a great fall".... That means they plan to capture Mars Central Control and me! It's an invasion of Mars! Noodle, prepare a space capsule for me. I must escape without delay. Space people, you must leave Earth at once, but be sure to remove all traces of your visit. The Earthlings must not know that I know"

i. State any one inference about the speaker from the given context.

"It's an invasion of Mars!" (1)

ii. State **TRUE** or **FALSE**. (1)

Think Tank was worried about his 'Great and Mighty Balloon Brain' and thought that the earthlings would catch him because of this.

iii. Elaborate in about 40- 50 words the irony in the statement. (2)

"Had a great fall".... That means they plan to capture Mars Central Control and me!" with reference to the extract.

iv. Which word would correctly substitute 'signs' in the given sentence from the extract?

No signs of Jewish worship have been found at Ostia, but at Portus a considerable number of Jewish inscriptions in Greek have come to light. (1)

OR

[B] The creature that emerged from this sack on to the spacious tiled floor of the Consulate bedroom, resembled most of all a very small mediievally-conceived, dragon. From the head to the tip of the tail he was coated with symmetrical pointed scales of mud armour, between whose tips was visible soft velvet fur like that of a chocolate-brown mole. He shook himself and I half expected a cloud of dust, but in fact, it was not for another month that I managed to remove the last of the mud and see the otter, as it were, in his true colours.

i. Pick the option that classifies (F) Fact from (O) opinion. (1)

1. I think the otter was caked with mud, initially.
2. I feel he was a fine pet for the author.
3. Oh come on, his fur was like that of a mole.
4. Let's not forget the otter needed to be cleaned for a month.

(a) [F] 1 and 3, [O] 2 and 4

(b) [F] 2 and 3, [O] 1 and 4

(c) [F] 1 and 4, [O] 2 and 3

(d) [F] 1 and 2, [O] 3 and 4

ii. What do these words reveal about the author's personality? Answer in about 40 words. (2)

'But in fact, it was not for another month that I managed to remove the last of the mud and see the otter, as it were, in his true colours.'

iii. Study the statement, 'From the head to the tip of the tail he was coated with symmetrical pointed scales...' In which of the options given below, the meaning of the word coated as used in the statement has been used? (1)

(a) Roll the potato wedges in crumbs and fry.

(b) His tongue is layered yellow due to long sickness.

(c) My shoes were covered with mud after a long walk.

- iv. The meaning of the word armour in, 'From the head to the tip of the tail he was coated with symmetrical pointed scales of mud armour' is _____. (1)

VII. Read the given extracts and answer the questions for ANY ONE of the two. (5 marks)

**[A] (There is a languid, emerald sea,
where the sole inhabitant is me-
a mermaid, drifting blissfully.)**

- i. Which poetic device has been used in the first line of the extract? (1)
(a) Metaphor
(b) Enjambment
(c) Simile
(d) Onomatopoeia
- ii. Comment on the images that the poet creates in these lines in about 40 words. (2)
- iii. Why does Amanda want to be the sole inhabitant of the sea? (1)
- iv. Why is this stanza given within brackets in the poem? (1)

OR

**[B] "Never shall a young man,
Thrown into despair
By those great honey-coloured
Ramparts at your ear;
Love you for yourself alone
And not your yellow hair."**

- i. What is the contextual meaning of the word 'rampart' ? (1)
- ii. Why does Anne want to change the colour of her hair? Answer in about 40 words. (2)
- iii. Choose the phrase that best represents, 'love you for yourself alone'. (1)
(a) one-sided love
(b) unconditional love
(c) mutual love
(d) blind love
- iv. Comment on the poet's tone in these lines. (1)

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

- i. "A good head and a good heart are always a formidable combination". Explain this statement in the light of the 'chapter Nelson Mandela'.
- ii. "The bad news is nothing lasts forever, The good news is nothing lasts forever." Which poem from your text book 'First Flight' gives this message and also explain how?
- iii. Describe the landscape that fascinated Rajvir while he was traveling by train. Why did Pranjol not share his excitement?
- iv. What changes can be seen in the moon during the course of the poem 'The Trees'? How has this significant change been shown by the means of a poetic device?
- v. Do you think Chubukov is a good father? Justify your opinion based on your reading of the text.

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

- i. "Guilty mind is always conscious". Do you think the thief was on the contrary obliged to Anil? Substantiate your answer.
- ii. Do you believe that Think Tank in "The Book That Saved the Earth" embodies effective leadership qualities? Evaluate his leadership approach and style.
- iii. You've read the quote: "A teacher affects eternity. He can never tell where his influence stops." In the context of this statement, comment on the role of Bholi's teacher in her life.

X. Answer ANY ONE of the following two questions, in about 100-120 words: (6 marks)

- [A] Imagine that the narrator of the story Black Aeroplane shared his story with friends and family once he got home. One of them, a spiritual leader, decided to incorporate the story as part of his weekly sermon to the congregation. Another friend, a psychologist, worked the story into his next lecture on survival instinct and crisis management. Do you think the two interpretations of the story would be different? If so, how? What insights might the narrator get about his mysterious experience, if he were to attend both the sessions?

OR

- [B] "Human beings, without God's strength, can't look beyond outward appearances and physical beauty." If you had to use the message of the given quote based on the poem 'For Anne Gregory' to understand the inner strength of Valli, how will you elaborate Valli's effort to fulfill her wish? Also mention how it would have been difficult for Valli not to consider her age as an impediment.

XI. Answer ANY ONE of the following two questions, in about 100-120 words: (6 marks)

- [A] Bholi and Matilda, both are distinct characters, wherein one gave importance to self-instinct and the other gave importance to her beauty. Assume they both meet each other at Bholi's wedding and had a conversation over the greed of Bishamber. Write this conversation as per your understanding of 'Bholi' and 'The Necklace'. You may begin like this:

Matilda : Are you fine now?

Bholi : Ya! much relieved.

OR

- [B] Ausable's employer has been asked to write a recommendation letter for Ausable so that he may be promoted to a higher post in the secret services. As his manager, draft the letter detailing his rank in personality traits with reference to the instance in the chapter as a prime example of Ausable's genius.

You may begin this way -

22, Rue National
Paris

20 August 2022

The General Director

Department for Internal Security
11-A, Rue de Dunkerque
Paris

Subject: Letter of Recommendation

Sir

This is to state that Monsieur Ausable has been a committed employee with us for the past two years. In this time, he has.....

Yours sincerely

XYZ



DELHI PUBLIC SCHOOL

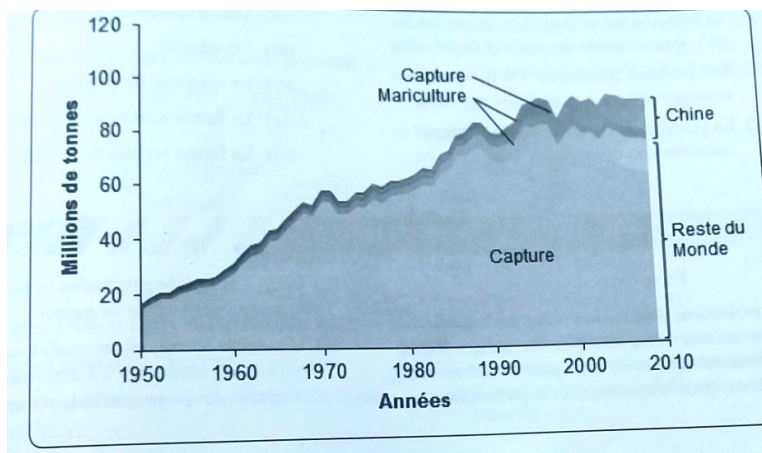
SAIL TOWNSHIP, RANCHI

PRE BOARD - II (2024-25)

Class - X
Time - 3 Hours

Subject - French
Maximum Marks- 80

READING (UNSEEN PASSAGE) [10 MARKS]



Dans presque tous les océans du monde et les grands lacs, la quantité de poissons capturés empêche la reconstitution des stocks. Bien qu' environ un tiers de l'ensemble des espèces soit victime de surpêche ou sur le point de l' être, la pêche intensive se poursuit. A l'échelle planétaire, le nombre de prises reste toutefois stable - un signe indéniable . de surpêche!

Les quantités de poisson pêché ont fortement augmenté depuis 1950.

Les mers et océans, qui couvrent les deux tiers de la surface du globe, abritent environ 250 000 espèces. Ils constituent également une source de nourriture essentielle pour les quelque 7,5 milliards d'êtres humains qui peuplent actuellement notre planète. En effet, les poissons fournissent près de 7 pour cent des protéines consommées par la population mondiale. Sustenter autant de personnes nécessite une grande quantité de poisson: plus de 90 millions de tonnes sont pêchées chaque année dans les eaux du monde entier.

La pêche s'est tellement intensifiée au cours de 60 dernières années qu'environ un tiers des effectifs de poisson sont en situation de surpêche - ce chiffre s'élève même à 93% en mer Méditerranée. En d'autres termes, On capture plus de ces poissons qu'ils ne s'en reproduit. Très industrialisée, la pêche utilise aujourd'hui diverses méthodes, telle que les chaluts, qui prennent des quantités considérables et peuvent avoir une influence destructrice sur les eaux profondes et les fonds marins.

En bref, les problèmes auxquels la pêche mondiale doit actuellement faire face sont nombreux et importants. Si rien n'est fait rapidement pour améliorer la situation et protéger les ressources marines desquelles dépendent des millions

d'humains, les répercussions économiques, sociales et environnementales pourraient être désastreuses. Cependant. Ce sont ces

problèmes ne sont pas insurmontables, et prendre en compte les points décrits plus hauts dans la gestion des pêches mondiales - c'est-à-dire réduire les subventions, interdire certains outils de pêches et considérer l'éthique dans les relations entre pays développés et en voie de développement - devrait permettre d'en résoudre une bonne partie.

1. Répondez aux questions suivantes : (2 aux choix)

[4]

- 1) Combien de poissons sont pêchés chaque année dans les eaux du monde entier ?
- 2) Quel pourcentage des effectifs de poissons sont en situation de surpêche ?
- 3) Quelles sont les méthodes de pêche utilisées aujourd'hui qui peuvent avoir une influence destructrice sur les fonds marins ?

2. Écrivez vrai ou faux :

[3]

- 1) La surpêche est un problème qui ne touche qu'une petite partie des espèces de poissons.
- 2) Les poissons fournissent 7 % des protéines consommées par la population mondiale .
- 3) La quantité de poissons capturés permet la reconstitution des stocks.
- 4) Environ 93 % des effectifs de poissons de la méditerranée sont en situation de surpêche.
- 5) Les méthodes de pêche modernes sont peu impactantes sur les fonds marins.
- 6) Il n'y a pas de solution pour résoudre les problèmes de surpêche .

3. Trouvez dans le texte :

[3]

- 1) Le synonyme
- 2) Une préposition
- 3) Un adjectif
- 4) Le contraire de mauvaise
- 5) La forme nominale de développer
- 6) La forme verbale de la réduction

SECTION - B (WRITING) [20 MARKS]

1. Écrivez une lettre d'environ 80 mots

[10]

A) À votre ami décrivant un roman que vous avez récemment lu.

OU

B) À votre cousin pour lui dire comment il peut s'inscrire à la bibliothèque en France.

OU

C) À vos parents pour leur dire que vous étiez malade et vous êtes allé chez le médecin .

2. Faites les deux :

A) Rétablissez le dialogue en ordre :

[5]

Moi: Quelle chance ! Et toi , Aman ?

Aman: C'est bien ! À bientôt chers amis !

Moi: Tu t'es bien amusé Aman ! Moi , je suis resté chez moi et j'ai regardé un film à la télé.

Maya: je suis allée chez ma tante et je suis allée au cinéma avec mes cousins. Je suis très contente !

Moi: Bien sûr ! C'est un très bon film !

Aman: Quel film as - tu regardé ?

Moi: Comment as - tu passé ton week-end Maya ?

Aman: samedi , j'ai étudié pour les examens et dimanche j'ai assisté au mariage de mon cousin .

Moi : j'ai regardé un film très intéressant ! Il s'appelle < Starbucks >

Maya : < Starbucks > ? Tu t'es amusé ?

OU

- B) Complétez ce texte à l'aide des mots / des expressions donnés : [5]
(éducative, radio, matin, regardent, culturelle, jour, choix, chaînes, télévision, écoutent)

C'est la télévision et la _____ qui constituent le loisir principal en France. Les français _____ la télévision 3 heures par _____ en moyenne et _____ la radio 2 heures, principalement le _____. Le public a le _____ entre 130 chaînes de _____. Parmi, elles, 4 _____ publiques nationales : France 2, France 3, Arte (chaîne _____ franco-allemande) et La Cinquième (chaîne _____) et 3 chaînes privées nationales : TF1, M6 et canal plus. Les autres chaînes (une vingtaine) sont captées par câble et par satellite.

OU

- C) Vous voulez aller faire le shopping demain. Demandez à votre ami (e) s'il / si elle voudrait vous accompagner. Rédigez un message d'environ 30-35 mots pour lui / leur. [5]

GRAMMAR (30 MARKS)

1. Mettez les verbes aux temps convenable : (5 aux choix) [5]

1. Freddy woets _____ à paris, il ya vingt ans. (arriver)
2. Je suis désolé, la fête _____ lieu demain. (ne pas avoir)
3. Lorsque vous _____ nous sortirons. (arriver)
4. Si je n'avais pas pris de dessert, je _____ un café. (prendre)
5. Hier, mon amie (aller) au portugal.
6. (se promener) le matin, c'est bon pour la santé.
7. Quand elle était jeune, elle (avoir) des cheveux longs.

2. Mettez les phrases suivantes au discours indirect : (5 aux choix) [5]

1. Le président dit << Nous devons agir ensemble >> .
2. Il dit < je ne prend pas le thé> .
3. Le professeur à l'étudiant : < il faut aller au marché local.
4. < Dépêchez - vous > dit notre professeur .
5. Ce monsieur veut savoir comment il peut aller au marché local.
6. Elle annonce < je viens demain >
7. Elle me dit < sors de la classe ! >

3. Mettez au subjonctif : [5]

1. Il est important que nous _____ (être) à l'heure .
2. Il faut que vous _____ (faire) vos devoirs.
3. Je doute que le train _____ (arriver) à l'heure.
4. J'aimerais que tu _____ (venir) avec moi.
5. Il est possible que nous _____ (avoir) de la pluie demain.

4. Répondez en utilisant les pronoms :

[5]

1. Les touristes vont souvent à la plage.
2. Michel a pris sa lettre
3. Il y a une pomme pour toi !
4. Il faut manger ces crêpes .
5. Envoie - moi le roman , s'il vous plaît !
6. Ce sont les garçons qui arrivés en retard.
7. Avez - vous compris les règles du jeu ?

OU

5. Complétez avec des pronoms relatifs composés :

[5]

1. Voilà la maison à cote de _____ il y a un jardin.
2. L'ami pour _____ j'envoie la carte est malade.
3. La solution à _____ tu penses n'est pas possible.
4. L'université dans _____ il étudie est loin de chez lui.
5. Ce sont des questions à _____ vous devez bien réfléchir.

6. Complétez avec les adjectifs ou les pronoms possessif :

[5]

1. Donnez - moi _____ affiche. Je vous donnerai _____
2. Nous parlons à _____ voisins. Parlent - ils _____ ?
3. Je me souviens de _____ vacances en afrique . Te souviens - tu _____ ?
4. _____ école est plus connue que _____
5. Damain , nous montre _____ pientre .je dois montrer _____

OU

7. Completez avec adjectif ou les pronoms démonstratif :

[5]

1. _____ quartier est plus chic que _____
2. _____ romans sont plus intéressants que _____ de paul.
3. Quelles filles as - tu rencontrées hier ? _____ ou _____ ?
4. Ne mange pas _____. _____ n'est pas bon pour la santé.
5. J'aime _____ films de george clooney , mais mon père préfère _____ de gregory peck.

8. Mettez au négatif :

[5]

1. Notre équipe a gagné contre les anglais et contre les Australiens.
2. Tout le monde déteste le nouveau roman de cet auteur.
3. A-t-il acheté une voiture ?
4. Il a mangé quelque chose à la cantine.
5. Marianne travaille toujours chez google.

OU

9. Posez les questions .

[5]

1. Il fera **mauvais temps** demain.
2. Mon père a **45 ans**
3. **Si** elle est absente aujourd'hui .
4. Ils voyagent **en avion**.
5. **Les tartes** sont délicieuses.

LITERATURE (20 MARKS)

1. Répondez : (5 aux choix)

[10]

1. Comment peut - on conserver de l'eau ? Donnez deux moyens.
2. Que peut - on faire si on est au chômage.
3. Quelles sont les origines du musée du louvre ?
4. Quest-ce qui constitue les médias ? À quoi servent les médias ?
5. Que savez - vous du < panchtantra >
6. Nommez trois responsabilités du président français.
7. Que peut - on faire après avoir obtenu skn baccalauréat ?

2. Complétez ces phrases à l'aide des mots donnés ci - dessous (palais bourbon, châtie, aller chez le médecin, trop s'inquiéter, cinéma , consent , recycler) (5 aux choix)

[5]

1. Il faut _____ le papier.
2. On ne doit pas _____ pour éviter le stress.
3. Si on est malade , On doit _____
4. Le _____ est le siège de l'assemblée Nationale.
5. Qui aime bien, _____ bien.
6. Le _____ est une salle où l'on projette un film.
7. Qui ne dit mot, _____

3. Faites un des questions suivantes :

A. Écrivez vrai ou faux :

[5]

1. On passe trois ans dans un collègd.
2. Jacques prévert a écrit< Le petit prince >
3. L'internet aide la promotion de la culture.
4. Le parlement français se compose de trois assemblées.
5. <Malgudi days> est un roman de st. Exupéry.

OU

B. Reliez les deux colonnes :

[5]

- | | |
|----------------|----------------------|
| 1. Le Monde | a) La fontaine |
| 2. ARTE. | b) journal |
| 3. Fables. | c) chaine culturelle |
| 4. Passer un. | d) intérim |
| 5. Le travail. | e) concours |



DELHI PUBLIC SCHOOL

SAIL TOWNSHIP, RANCHI

PRE BOARD - II (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.	Zoo-Schule, Zoo-Kurse, Zoo-Camps: Im Heidelberg Zoo ist was los! "So lernen die Schüler viel mehr als aus den Lehrbüchern!", sagen die Mitarbeiter des Heidelberger Zoos und bieten den Kindern und Jugendlichen verschiedene interessante Programme an: Zum Beispiel gibt es in der Zoo-Schule Heidelberg Biologie "live". Im Jahr nehmen an diesem Unterricht rund 4000 Schüler teil. Sie erfahren dabei viel über Tiere, Tier- und Naturschutz. Was gibt es noch? Der Heidelberger Zoo bietet auch Zoo-Kurse an. Ein halbes Jahr lang kommen die Kinder und Jugendlichen einmal in der Woche in den Zoo. Sie arbeiten in kleinen Gruppen an verschiedenen Themen, z.B. "Welche Tiere leben in meinem Garten?", "Wer frisst wen?" Man kann im Zoo aber auch Ferien machen. Kinder und Jugendliche von 6 bis 13 Jahren sind eine Woche lang von 9:30 bis 12:30 im Zoo. In dieser Zeit lernen sie viel über den Zoo, die Tiere und die vielen Aufgaben der Tierpfleger. Und: Sie helfen auch fleißig mit. Immer noch nicht genug? Na dann - Es gibt auch noch so genannte Zoo-Camps. Die Camps beginnen samstags um 17:00 Uhr und enden sonntags gegen 10:00 Uhr. Im Zoo-Camp geht man in der Nacht durch den Zoo und lernt die Tiere der Nacht kennen, vor allem Fledermäuse. Natürlich essen alle zusammen zu Abend und schlafen im Zoo. Nach dem Frühstück geht's dann wieder nach Hause. Beantworte die Fragen: 1. Was bietet der Heidelberger Zoo Kindern und Jugendlichen an? 2. Wie viele Schüler nehmen am Zoo-Unterricht teil? Was lernen die Schüler dabei? 3. Wie lange dauern die Zoo-Kurse? Welche Themen gibt es im Zoo Kurs? 4. Wer darf an den Zoo-Ferien teilnehmen? Wie lange dauern sie? 5. Wann findet ein Zoo-Camp statt? Was macht man da?	2x5=10

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

Lenas Erfahrungen:

Lena ist jetzt 16 Jahre alt. Mit 16 Jahren ändert sich für Jugendliche so einiges. Außerdem hat Lena im letzten Jahr einige Reisen gemacht. Im Moment spart sie für ihren großen Traum. Lenas schönste Zeit in diesem Jahr war ihr dreiwöchiger Aufenthalt in Florida bei einer amerikanischen Familie. „Ich bin sehr gut aufgenommen worden“, sagt sie. Der Besuch mehrerer Freizeitparks, Ausflüge in die Natur und die Besichtigung des Kennedy Space-Centers machten die Reise zu einem unvergesslichen Erlebnis. Noch heute schreibt Lena regelmäßig E-Mails an mehrere netten Leute, die sie in den USA kennen gelernt hat. Aber in der Schule war alles nicht so gut: Das Zeugnis am Ende der neunten Klasse war das schlechteste, das Lena bis jetzt hatte. In der 10. Klasse hat Lena viele neue Lehrer bekommen, „Ich denke, dass bei den neuen Lehrern der Unterricht besser ist.“ Das Abschlusszeugnis nach der zehnten Klasse soll wieder so gut wie frühere Zeugnisse werden. Bis dahin hat sie noch einige Termine auf dem Kalender: Im Herbst nimmt Lena an einem Schüleraustausch mit der französischen Partnerstadt Loches teil. Außerdem fährt die gesamte Jahrgangsstufe im Winter zum Skilaufen nach Obertauern in Österreich.

Zum Judo geht Lena 2- bis 3-mal in der Woche. Außerdem trainiert sie mit ihrer Freundin Katrin mit jüngeren Sportlern. Manchmal fährt sie auch zu Wettkämpfen, meistens als Betreuerin (supervising tutor). Lena trägt den braunen Gürtel, das steht für den höchsten Schülergrad im Judo. Darauf ist sie sehr Stolz! Was für Vorteile hat man mit 16? Ich darf Alkohol und Zigaretten kaufen, aber das kommt für mich als Sportlerin überhaupt nicht in Frage. „Viel wichtiger findet sie, dass sie in diesem Jahr zum ersten Mal an Kommunalwahlen (elections) teilnehmen kann. Im Politikunterricht in den Zeitungen und im Internet hat sie sich vorher informiert. In den Sommerferien hat Lena zwei Wochen in einer Werkzeugfabrik gearbeitet. Das verdiente Geld will sie sparen: Noch einmal nach Amerika reisen, das ist im Moment ihr Traum.

Fragen:

1. Wie lange war Lena in Florida? Wo hat sie gewohnt?
2. Warum war ihre Reise nach Florida unvergesslich?
3. Welche Pläne hat Lena für Herbst und Winter?
4. Wie ändert sich mit 16 Jahren das Leben für Jugendliche?
5. Was hat Lena in den Ferien gemacht? Warum?

1x5=5**TEXT B****Ein Schuljahr im Ausland**

Nächstes Jahr werde ich ein ganzes Schuljahr an einer High School in den USA verbringen. Ich will diese Erfahrung machen, um selbst ständig zu werden und mich persönlich weiter zu entwickeln. In Boston werde ich bei einer Gastfamilie wohnen und dadurch den amerikanischen Lebensstil kennen lernen. Eine bessere Methode, um eine andere Kultur intensiv zu erleben und die Sprachkenntnisse zu verbessern, gibt es nicht! Zehn Monate sind natürlich eine lange Zeit. Ich war noch nicht so lange weg von zu Hause. Ich weiß, ich werde ab und zu Heimweh

haben und meine Familie vermissen. Aber ich werde das schon schaffen! Damit die Kontakte zu meinen Freunden nicht abreißen, werde ich sie regelmäßig online treffen oder einfach mit ihnen skypen. Nach diesem Auslandsjahr werde ich ohne Probleme weltweit studieren können. So ein Schuljahr ist nicht gerade billig: 8500 Euro kostet das ganze Programm. Zum Glück habe ich ein Stipendium bekommen und werde nur den Zug bezahlen.

-Sophie

A. Lies den Text und verbinde die Satzteile.

0.5x6=3

1. Sophie wird ein Schuljahr	a. bei einer Gastfamilie wohnen.
2. Sophie wird die Erfahrung machen,	b. problemlos im Ausland studieren können.
3. In Boston wird sie	c. weil sie ein Stipendium hat.
4. Sophie weiß, dass sie	d. in den USA verbringen.
5. Sophie wird nicht viel bezahlen,	e. ihre Familie vermissen wird.
6. Nach diesem Jahr wird Sophie	f. um eine andere Kultur kennenzulernen.

B. Richtig oder falsch?

0.5x4=2

1. Sophie geht ein Jahr lang in Boston zur Schule.
2. Sophie bleibt leider nicht in Kontakt mit ihren Freunden.
3. Sophie bezahlt 8500 Euro für das Programm.
4. Sophie wird nach diesem Auslandsjahr eine Arbeitsstelle im Ausland finden.

III

SECTION - B: SCHREIBEN

5

E-Mail schreiben: Mach Aufgabe A oder B:

Aufgabe: A

Du fliegst nächste Woche nach München. Schreib an deinen deutschen Freund. Verfasse! eine E-Mail und schreib jeweils einen Satz zu den folgenden Punkten:
 Informiere ihn, wann genau du in München ankommst?
 Du willst passende Kleidung einpacken. Frag ihn nach dem Wetter.
 Frag deinen Freund, ob er etwas aus Indien braucht.
 Bitte ihn, dich vom Flughafen abzuholen.

ODER

Aufgabe: B

Du bekommst die folgende E-Mail von Petra. Antworte auf die E-Mail.

Liebe(r) _____,

wie du weißt, habe ich am 11. August Geburtstag. Ich werde endlich 16! Ich gebe zu Hause eine Party und möchte dich einladen. Die Party findet bei mir zu Hause im Garten statt und ich hoffe, es regnet nicht! Die Party beginnt um 16 Uhr. Komm aber bitte ein bisschen früher, so kannst du mir helfen. Also, ich erwarte dich! Bis bald!

Deine Petra

Schreib etwas zu den folgenden Punkten:

- Sich bei ihr bedanken
- zusagen

	• Hilfe anbieten • Nach dem Weg fragen	
IV	Schreib einen Dialog. Mach Aufgabe A oder B: Aufgabe A Dein Freund Lukas hat sich für den Kochunterricht in der Schule angemeldet. Du überlegst dich, ob es auch für dich eine gute Idee wäre. Du fragst nach der Meinung von deinem Freund. Was sagst du? Was sagt er? <i>Hilfsmittel:</i> <i>Interesse, kochen lernen, neue Gerichte, probieren, Kosten, Zutaten, Dauer, Unterrichtszeit</i> oder Aufgabe B Deine Mutter hat bald Geburtstag und du willst etwas Besonderes für sie machen. Du brauchst Vorschläge und diskutierst mit deinem Bruder darüber. Was sagst du? Was sagt er? Überraschungsparty - Wann? Wo? Wen einladen? Was machen? Geschenke - Was? Geld?	5
	SECTION - C: GRAMMATIK	
V	Schreib den Text im Präteritum um. Ich bekomme jede Woche vier Euro. Mit dem Geld kaufe ich meistens Eis, Bonbons und Süßigkeiten. Kleider brauche ich nicht selbst zu kaufen, aber ich muss meine Handyrechnung selbst bezahlen. Im Mai war sie nicht so hoch, aber im Juni bleibt vom Taschengeld nicht viel. Ich darf nicht mehr so viel telefonieren.	8
VI	Ergänze die Adjektiv endungen: a. Meine Eltern haben ein klein ____ Haus. b. Ich habe mein Zimmer neu eingerichtet. Hast du schon mein neu ____ Zimmer gesehen. c. Jetzt habe ich einen groß ____ Schreibtisch. d. Mein alt ____ Fernseher ist kaputt. Ich kaufe jetzt neuen. e. Auf dem Balkon steht ein ____ bequemer Liegestuhl. f. Hast du kalt ____ Wasser getrunken? g. Ich brauche gut ____ Freunde, die mir helfen können. h. Ich schenke meiner Schwester ein klein ____ Geschenk.	1x8=8
VII	Ergänze mit den richtigen Präpositionen. Wähle a, b, c oder d aus. (attempt any 8) a. Du sollst ____ links abbiegen. [am, nach, im] b. Das Rathaus liegt der Kirche _____. [gegenüber, in, auf] c. Die Supermarkt liegt ____ die Ecke. [gegen, um, an]	1x8=8

	d. Die Kinder sind mit dem Bus _____ Stadt gefahren. [im, in die, ins] e. Erick ging gestern _____ Frisör. [mit, zum, beim] f. Entschuldigen Sie, können Sie mir sagen, wie ich _____ St. Paul Kirche komme? [mit, zur, beim] g. Ganz einfach: Gehen Sie hier geradeaus bis _____ Stadtmuseum. [mit, zum, beim] h. Fahren Sie _____ zur nächsten Ampel und dann biegen Sie rechts ab. [bis, zum, beim] i. Die Kirche liegt _____ der linken Seite. [mit, zum, auf] j. _____ dem Hauptbahnhof. [mit, vor, beim]	
VIII	Setze das Relativpronomen ein: a. Das ist die Kirche, in _____ ich geheiratet habe. b. Hanna und Jörg, mit _____ ich im Café getroffen habe, sind meine beste Freunde. c. Meine Tante, bei _____ ich gewohnt habe, wohnt in Freiburg. d. Die Nachbarin, für _____ ich Garten arbeit mache, hat eine große Katze. e. Mein Freund, an _____ ich immer Briefe schreibe, hat heute Geburtstag. f. Das ist der Lehrer, mit _____ ich gesprochen habe. g. Das ist die Firma, für _____ ich arbeite. h. Der Mann, bei _____ wir gestern zu Abend gegessen haben, ist mein Onkel.	1x8=8
IX	Ergänze mit Positiv, Komparativ oder Superlativ der Adjektive. (Attempt any 4) (gesund, kreativ, bequem, gut, teuer) a. Die Arbeit eines Lehrers ist _____ als die Arbeit eines Managers. b. Was ist denn _____? Mineralwasser oder Tee. c. Paul ist der _____ Schüler der Klasse. d. Der Diamantring ist am _____. e. Das neue Sofa ist wirklich viel _____ als das alte.	1x4=4
X	Ergänze die Sätze mit passenden Konjunktionen: (Attempt any 4) (<i>als, ob, obwohl, nachdem</i>) a. Chloe isst Pizza. Sie hat keinen Hunger. b. Ich weiß nicht. Fährt der Zug nach Italien. c. Ich fahre mit. Ich habe nicht viel Zeit. d. Mein Vater war in Mumbai. Meine Oma hatte eine Operation. e. Wir wissen nicht. Rahul kommt zum Unterricht.	1x4=4

Text B**1x10=10**

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.



DELHI PUBLIC SCHOOL

SAIL TOWNSHIP, RANCHI

PRE BOARD - II (2024-25)

Class - X
Time - 3 Hours

Subject - Hindi
Maximum Marks- 80

सामान्य निर्देश :-

- इस प्रश्नपत्र में चार खंड हैं क, ख, ग और घ
- खंड क में अपठित गद्यांश से प्रश्न पूछे गए हैं, जिनके उत्तर दिए गए निर्देशों का पालन करते हुए दीजिए ।
- खंड ख में व्यावहारिक व्याकरण से प्रश्न पूछे गए हैं, आंतरिक विकल्प भी दिए गए हैं।
- खंड ग पाठ्यपुस्तक पर आधारित है, निर्देशानुसार उत्तर दीजिए।
- खंड घ रचनात्मक लेखन पर आधारित है आंतरिक विकल्प भी दिए गए हैं।
- प्रश्न पत्र में कुल 16 प्रश्न हैं, सभी प्रश्न अनिवार्य हैं।
- 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)

विकास का उद्देश्य लोगों का आर्थिक, सामाजिक व सांस्कृतिक उत्थान है। विश्व में विकास के संबंध में अलग-अलग विचार हैं। विकास के पश्चिम अथवा यूरोप केंद्रित विचार में स्वतंत्रता को अत्यधिक महत्त्व दिया जाता है, जिसका संबंध आधुनिकीकरण, अवकाश, सुविधा व समृद्धि से जुड़ा है। वर्तमान परिप्रेक्ष्य में औद्योगिकीकरण, कंप्यूटरीकरण, उत्कृष्ट परिवहन व्यवस्था, स्वास्थ्य व शिक्षा की उपलब्धता, वैयक्तिक सुरक्षा इत्यादि को विकास का पर्याय माना जाता है, परंतु यह विकास का एकतरफा प्रतीक है। मानव विकास एक व्यापक संकल्पना है, जिसमें मानव के लिए स्वस्थ भौतिक पर्यावरण की उपलब्धता के साथ आर्थिक, सामाजिक व राजनीतिक स्वतंत्रता भी समाहित है। इसका लक्ष्य लोगों के उपलब्ध विकल्पों में विस्तार करते हुए शिक्षा व स्वास्थ्य तक मानव की पहुँच सुनिश्चित करना है, ताकि सशक्तीकरण को सार्वभौमिक बनाया जा सके।

साक्षरता मानव के लिए अनिवार्य है, क्योंकि यह ज्ञान व मुक्ति का मार्ग है, परंतु इसके साथ समाज व पर्यावरण के बारे में भी व्यक्ति को ज्ञान होना चाहिए, क्योंकि ज्ञान ही मुक्ति का मूलाधार है। विकास ने मनुष्य के जीवन में कई परिवर्तन लाए हैं। मानव विकास का एक महत्वपूर्ण उद्देश्य सभी मनुष्यों तक विकास के समान लाभ का वितरण करना है, परंतु भेदभाव, मानवाधिकारों का हनन तथा विस्थापन की समस्याओं ने मानव को विकास के वास्तविक लाभ से दूर कर दिया है।

(क) पश्चिम अथवा यूरोप केंद्रित विचार में ‘विकास’ से तात्पर्य है

- आधुनिकीकरण, अवकाश, सुविधा व समृद्धि से
- सांस्कृतिक विकास, सुख-सुविधाएँ व वैयक्तिक सुरक्षा से
- विचारों की आजादी, रोजगार और सिनेमा के उद्धार से
- राष्ट्रीय सद्भाव, पर्यावरण सुरक्षा और नारी सशक्तीकरण से

(ख) गद्यांश हमें संदेश देता है—

- विकास का उद्देश्य केवल लोगों का सांस्कृतिक उत्थान होना चाहिए
- मानव विकास ऐसा हो कि सभी मनुष्यों में विकास के लाभ का समान वितरण हो
- भारत में विकास के समान लाभ का वितरण हो रहा है
- मानव विकास एक संकुचित संकल्पना है

(ग) कथन (A) साक्षरता मानव के लिए अनिवार्य है।

कारण (R) विकास ने मनुष्य के जीवन में कई परिवर्तन लाए हैं।

कूट

(i) कथन (A) तथा कारण (R) दोनों गलत हैं।

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

(iii) कथन (A) और कारण (R) दोनों सही हैं, परंतु कारण (R), कथन (A) की सही व्याख्या नहीं करता है।

(iv) कथन और कारण (A) दोनों सही हैं तथा कारण (R), कथन (A) की सही व्याख्या करता है।

(घ) सशक्तीकरण को सार्वभौमिक किस प्रकार बनाया जा सकता है?

(ङ) मानव विकास का महत्वपूर्ण उद्देश्य किसे माना गया है?

प्रश्न 2. निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़कर इसके आधार पर बहुविकल्पी प्रश्नों / लघूत्तरात्मक प्रश्नों के उत्तर लिखिए :

(1x3=3+2 x 2=4)

कहा जाता है कि हमारा लोकतंत्र यदि कहीं कमजोर है, तो उसकी एक बड़ी वजह हमारे राजनीतिक दल हैं। वे प्रायः अव्यवस्थित हैं, अमर्यादित हैं और अधिकांशतः निष्ठा और कर्मठता से संपन्न नहीं हैं। हमारी राजनीति का स्तर प्रत्येक दृष्टि से गिरता जा रहा है। लगता है उसमें सुयोग्य और सच्चरित्र लोगों के लिए कोई स्थान नहीं है। लोकतंत्र के मूल में लोकनिष्ठा होनी चाहिए, लोकमंगल की भावना और लोकानुभूति होनी चाहिए और लोकसंपर्क होना चाहिए। हमारे लोकतंत्र में इन आधारभूत तत्वों की कमी होने लगी है, इसलिए लोकतंत्र कमजोर दिखाई पड़ता है। हम प्रायः सोचते हैं कि हमारा देश—प्रेम कहाँ चला गया, देश के लिए कुछ करने, मर-मिटने की भावना कहाँ चली गई? त्याग और बलिदान के आदर्श कैसे, कहाँ लुप्त हो गए? आज हमारे लोकतंत्र को स्वार्थधता का घुन लग गया है। क्या राजनीतिज्ञ, क्या अफसर, अधिकांश यही सोचते हैं कि वे किस तरह से स्थिति का लाभ उठाएँ, किस तरह एक-दूसरे का इस्तेमाल करें। आम आदमी स्वयं को लाचार पाता है और ऐसी स्थिति में उसकी लोकतांत्रिक आस्थाएँ डगमगाने लगती हैं।

लोकतंत्र की सफलता के लिए हमें समर्थ और सक्षम नेतृत्व चाहिए, एक नई दृष्टि, एक नई प्रेरणा, एक नई संवेदना, एक नया आत्मविश्वास, एक नया संकल्प और समर्पण आवश्यक है। लोकतंत्र की सफलता के लिए हम सब अपने आप से पूछें कि हम देश के लिए, लोकतंत्र के लिए क्या कर सकते हैं? और हम सिर्फ पूछकर ही न रह जाएँ, बल्कि संगठित होकर समझदारी, विवेक और संतुलन से लोकतंत्र को सफल और सार्थक बनाने में लग जाएँ।

(क) राजनीतिक दल लोकतंत्र की असफलता के कारण बताए जाते हैं, क्योंकि वे प्रायः

(i) निष्ठाहीन और कर्तव्यविमुख हैं।

(ii) धन और पद—लोलुप हैं।

(iii) संप्रदायवादी और जातीयतावादी हैं।

(iv) केवल सत्ता—लालसी हैं।

(ख) लोकतंत्र का मूल तत्त्व नहीं है

(i) जनता की निष्ठा की अपेक्षा

(ii) लोक—मंगल के प्रति उपेक्षा

(iii) लोक—संपर्क की इच्छा

(iv) लोक के सुख—दुःख की अनुभूति

(ग) कथन: आजकल राजनीतिज्ञ और अफसर स्वार्थ पर केंद्रित होते हैं।

निष्कर्ष: इस स्वार्थपरता के कारण लोकतंत्र में आम आदमी की आस्थाएँ डगमगाती हैं।

(1)

(i) कथन सही है, लेकिन निष्कर्ष गलत है।

(ii) कथन गलत है, लेकिन निष्कर्ष सही है।

(iii) कथन और निष्कर्ष दोनों सही हैं।

(iv) कथन और निष्कर्ष दोनों गलत हैं।

(घ) आम आदमी की लोकतांत्रिक आस्थाएँ क्यों डगमगाती हैं?

(2)

(ङ) हमारा लोकतंत्र यदि कहीं कमजोर है, तो उसकी एक बड़ी वजह हमारे राजनीतिक दल हैं। पंक्ति के माध्यम से लेखक किसकी ओर इशारा कर रहा है?

प्रश्न 3. निर्देशानुसार 'पदबंध' पर आधारित पाँच प्रश्नों में से किन्हीं चार प्रश्नों के उत्तर लिखिए:—

(1X4=4)

- (क) ततौरा नामक एक युवक को वामीरो से प्रेम हो गया। रेखांकित पदबंध का भेद बताइए।
(ख) 'ग्वालियर से मुंबई की दूरी ने काफी कुछ बदल दिया है।' रेखांकित पदबंध का भेद बताइए।
(ग) 'शुद्ध सोने में तौबा मिलाने पर गिन्नी का सोना बनता है।' विशेषण पदबंध छाँटे।
(घ) कोई अजनबी युवक उसे निःशब्द ताके जा रहा था। प्रस्तुत वाक्य में क्रिया पदबंध छाँटे।
(ङ) 'शिल्पकार शैलेंद्र ने तीसरी कसम फिल्म में अपने जीवन का सर्वश्रेष्ठ अभिनय किया था।' वाक्य में क्रिया — विशेषण पदबंध को रेखांकित करें।

प्रश्न 4. निर्देशानुसार 'रचना के आधार पर वाक्य रूपांतरण' या भेद पर आधारित पाँच प्रश्नों में से किन्हीं चार प्रश्नों के उत्तर लिखिए:—

(1X4=4)

- (क) जो व्यक्ति ईमानदार होते हैं, वे कभी भी किसी से नहीं डरते। (सरल वाक्य में)
(ख) एकाएक एक ऊँची लहर उठकर उसे भिगो गई। (संयुक्त वाक्य में)
(ग) माता जी का घर का प्रबंध अपने हाथ में लेने से घर में लक्ष्मी आ गई। (मिश्र वाक्य में)
(घ) दो सौ आदमियों का जुलूस लाल बाजार गया और वहाँ गिरफ्तार हो गया। (भेद बताइए)
(ङ) 'हम जब अकेले पड़ते हैं, तब अपने आपसे लगातार बड़बड़ाते रहते हैं।' (भेद बताइए)

प्रश्न 5. निर्देशानुसार 'समास' पर आधारित पाँच प्रश्नों से किन्हीं चार प्रश्नों के उत्तर लिखिए :-

(1X4=4)

- (क) 'तुलसीकृत' शब्द में उत्तर पद और पूर्व पद अलग करें।
(ख) 'शाखामृग' शब्द का समास-विग्रह करें।
(ग) चंद्र है शिखर पर जिसके समस्त पद बनाकर लिखिए।
(घ) सुख-दुख का विग्रह करें एवं भेद बताएँ।
(ङ) 'यथाशक्ति' का समास विग्रह करते हुए भेद बताएँ।

प्रश्न 6. 'मुहावरे' पर आधारित पाँच प्रश्नों में से किन्हीं चार प्रश्नों के उत्तर लिखिए:—

(1X4=4)

- (क) हक्का — बक्का रह जाना' का वाक्य में प्रयोग कर अर्थ स्पष्ट करें।
(ख) 'अनदेखा करना' अर्थ के लिए उचित मुहावरे का प्रयोग करें।
(ग) 'अयोग्य होने पर भी मूल्यवान वस्तु मिलना' अर्थ के लिए उचित मुहावरे का प्रयोग करें।
(घ) 'लगती बातें कहना' का अर्थ स्पष्ट करें।
(ङ) 'पुरसा देना' का वाक्य में प्रयोग कर अर्थ स्पष्ट करें।

खंड—'ग' (पाठ्यपुस्तक)

प्रश्न 7. निम्नलिखित गद्यांश को पढ़कर पूछे गए प्रश्नों के उत्तर के लिए सही विकल्प का चयन कीजिए। (1X5=5)

दुनिया कैसे वजूद में आई? पहले क्या थी? किस बिंदु से इसकी यात्रा शुरू हुई? इन प्रश्नों के उत्तर विज्ञान अपनी तरह से देता है, धार्मिक ग्रंथ अपनी-अपनी तरह से। संसार की रचना भले ही कैसे हुई हो, लेकिन धरती किसी एक की नहीं है। पंछी, मानव, पशु, नदी, पर्वत, समंदर आदि की इसमें बराबर की हिस्सेदारी है। यह और बात है कि इस हिस्सेदारी में मानव जाति ने अपनी बुद्धि से बड़ी-बड़ी दीवारें खड़ी कर दी हैं। पहले पूरा संसार एक परिवार के समान था अब टुकड़ों में बँटकर एक-दूसरे से दूर हो चुका है। पहले बड़े-बड़े दालानों-आँगनों में सब मिल-जुलकर रहते थे, अब छोटे-छोटे डिब्बे जैसे घरों में जीवन सिमटने लगा है। मानव का धरती पर अधिकार जमाने के कारण संसार छोटे-छोटे टुकड़ों में बँट गया है। बढ़ती हुई आबादी ने समंदर को पीछे सरकाना शुरू कर दिया है।

- (क) "मानव का धरती पर अधिकार जमाने के कारण संसार छोटे-छोटे टुकड़ों में बँट गया है।" लेखक द्वारा ऐसा कहा जाना दर्शाता है, मानव का अन्य प्राणियों और प्रकृति के प्रति उसका (1)
(i) स्वार्थभाव (ii) मित्रता (iii) व्यक्तित्व (iv) कर्तव्यबोध

- (ख) 'धरती किसी एक की नहीं है,' लेखक ने ऐसा कहा, क्योंकि उसके अनुसार (1)
- (i) इस पर केवल मनुष्य का अधिकार है।
(ii) इस पर प्रत्येक जीव का समान अधिकार है।
(iv) सभी जीव एक समान नहीं हैं।
(iii) धर्म ग्रंथ में इस बात का वर्णन किया गया है।
- (ग) पहले बड़े-बड़े दालानों-आँगनों में सब मिल-जुलकर रहते थे, अब छोटे-छोटे डिब्बे जैसे घरों में जीवन सिमटने लगा है। कथन के माध्यम से ज्ञात होता है कि मानव के (1)
- (i) कर्तव्यनिष्ठ, मेहनती, आध्यात्मिक (ii) समाज-सुधारक, कर्मयोगी, संवेदनशील
(iii) स्वार्थी, मौकापरस्त, असंवेदनशील (iv) आदर्शवादी, स्वार्थी, दृढ़निश्चयी
- (घ) लेखक का शिवाबादियों के समंदर को पीछे सरकाने से क्या अभिप्राय है? (1)
- (i) इनमें से कोई नहीं
(ii) समंदर के पानी का स्तर कम करना
(iii) मनुष्य द्वारा समंदर में घर बनाया जाना
(iv) समंदर को सुखाकर उसकी धरती का उपयोग करना
- (ङ) कथन (A) आज संसार टुकड़ों में बँटकर रह गया है। (1)
- कारण (R) मानव की आँखों पर स्वार्थ और आधुनिकता का पर्दा पड़ चुका है।
- (i) कथन (A) तथा कारण (R) दोनों गलत हैं।
(ii) कथन (A) गलत है, किंतु कारण (R) सही है।
(iii) कथन (A) और कारण (R) दोनों सही हैं, लेकिन कारण (R), कथन (A) की गलत व्याख्या करता है।
(iv) कथन (A) और कारण (R) दोनों सही हैं तथा कारण (R), कथन (A) की सही व्याख्या करता है।

प्रश्न 8. गद्य खंड आधारित निम्नलिखित प्रश्नों में से किन्हीं तीन प्रश्नों के उत्तर लगभग 25-30 शब्दों में लिखिए :- (2×3=6)

- (क) 'बुनियाद ही पुख्ता न हो, तो मकान कैसे पायेदार बने' पंक्ति द्वारा क्या बताने की चेष्टा की गई है?
(ख) ततौरा निकोबार के लोगों की पसंद क्यों बना?
(ग) शैलेंद्र ने कलाकार के कर्तव्य के विषय में क्या विचार दिया है?
(घ) कर्नल किसके जाने पर और क्यों आश्चर्यचकित रह गया?

प्रश्न 9. निम्नलिखित पद्यांश को पढ़कर पूछे गए प्रश्नों के उत्तर के लिए सही विकल्प का चयन कीजिए। (1×5=5)

चलो अभीष्ट मार्ग में सहर्ष खेलते हुए,
विपत्ति, विघ्न जो पड़ें, उन्हें ढकेलते हुए।
घटे न हेलमेल हों, बढ़े न भिन्नता कभी,
अतर्क एक पंथ के सतर्क पंथ हों सभी।
तभी समर्थ भाव है कि तारता हुआ तरे,
वही मनुष्य है कि जो मनुष्य के लिए मरे।

- (क) प्रस्तुत पद्यांश में कवि ने क्या प्रेरणा दी है? (1)
- (i) लक्ष्य पथ की ओर आगे बढ़ते रहने की (ii) संघर्षपूर्ण जीवन व्यतीत न करने की
(iii) संघर्ष से मुख मोड़ने की (iv) भेदभाव सहन करने की
- (ख) जीवन में विपत्ति या विघ्न आने पर क्या करना चाहिए? (1)
- (i) ईश्वर का स्मरण करना चाहिए (ii) सहर्ष खेलना चाहिए
(iii) बाधा को दूर करना चाहिए (iv) डटकर मुकाबला करना चाहिए

(ग) कथन (A) जीवन के मार्ग में आने वाली विपत्तियों और विघ्नों को सहर्ष स्वीकार किया जाना चाहिए। (1)

कारण (R) विपत्तियों और विघ्नों को ढकेलते हुए आगे बढ़ना मनुष्य की महानता को दर्शाता है।

कूट

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

(ii) कथन (A) और (R) दोनों सही हैं

(iii) कथन (A) और कारण (R) दोनों सही हैं, तथा कारण (R), कथन (A) की सही व्याख्या है।

(iv) कथन (A) और कारण (R) दोनों सही हैं, परंतु कारण (R), कथन (A) की सही व्याख्या नहीं है।

(घ) जीवन में निर्धारित लक्ष्य कैसे प्राप्त किया जा सकता है?

(1)

(i) संपर्क बढ़ाने से (ii) साधन जुटाने से (iii) सतत प्रयत्नशील रहने से (iv) लक्ष्य का ध्यान करने से

(ङ) कवि को किस का डर है?

(i) दुरियाँ बढ़ने का (ii) प्रेम कम होने की (iii) सहयोग में कमी (iv) एकता की भावना की

प्रश्न 10. काव्यखंड पर आधारित निम्नलिखित प्रश्नों में से किन्हीं तीन प्रश्नों के उत्तर लगभग 25–30 शब्दों में लिखिए—
(2X3=6)

(क) 'स्वभाव को निर्मल रखने' के संबंध में कबीर का क्या विचार है?

(ख) कवि ने तालाब की तुलना किससे की है और क्यों?

(ग) 'तोप जैसे लोगों का परिणाम भी तोप जैसा ही होता है।' भाव स्पष्ट करें।

(घ) 'आत्मत्राण' कविता का प्रतिपाद्य स्पष्ट करें।

(ङ) 'राह कुर्बानियों की न वीरान हो' द्वारा कवि क्या संकेत कर रहे हैं?

प्रश्न 11. पूरक पुस्तक 'संचयन' पर आधारित निम्नलिखित प्रश्नों में से किन्हीं दो प्रश्नों के उत्तर लगभग 40–50 शब्दों में लिखिए—
(3X2=6)

(क) "हरिहर काका का एक शोषित वर्ग के प्रतिनिधि के रूप में दिखाई देते हैं।" सिद्ध करें।

(ख) स्कूल आने के प्रति लेखक के मन में निराशा के भाव थे परंतु आकर्षण बढ़ा ऐसा कब संभव हुआ?

(ग) "अम्मी शब्द सुनकर टोपी के घरवालों की प्रतिक्रिया संकीर्ण मानसिकता की घोटक है।" पठित पाठ के आधार पर उक्त कथन की सार्थकता स्पष्ट करें।

खंड—'घ' (रचनात्मक लेखन)

प्रश्न 12. निम्नलिखित में से किसी एक विषय पर 80–100 शब्दों में अनुच्छेद लिखिए: (5)

(क) जल संरक्षण

संकेत बिंदु

- जल की आवश्यकता
- जल का संतुलित उपयोग
- जल का संरक्षण
- प्रदूषण से बचाव

(ख) जंक फूड

संकेत बिंदु

- जंक फूड का अर्थ
- जंक फूड के नुकसान
- बढ़ती लोकप्रियता
- आसान उपलब्धता
- निष्कर्ष

(ग) दैव – दैव आलसी पुकारा

संकेत बिंदु

- अर्थ
- आलसी भाग्यवादी होता है।
- भाग्यवादी कर्महीन होते हैं।
- आलसी जीवन व्यर्थ है।

प्रश्न 13. विद्यालय छात्रावास के अधीक्षक को अपूर्व/अपूर्वा की ओर से पत्र लिखकर छात्रावास की भोजनशाला के निरंतर गिरते स्तर की ओर उनका ध्यान आकृष्ट कीजिए।

अथवा

गंदगी से जूझते आम लोगों की कठिनाइयों का वर्णन करते हुए दैनिक समाचार – पत्र के संपादक को पत्र लिखिए।

(5)

प्रश्न 14. विद्यालय की व्यायामशाला विद्यार्थियों के लिए विद्यालय समय के बाद संध्या समय दो – तीन घंटे खुली रहेगी। इसकी सूचना लगभग 25–30 शब्दों में विद्यार्थियों को विद्यालय सचिव की ओर से दीजिए।

(4)

अथवा

आपके विद्यालय में एक सप्ताह के लिए 'नेत्र चिकित्सा शिविर' लगाया जा रहा है, जिसमें निःशुल्क नेत्र – परीक्षण किया जाएगा। कक्षा छः से दस (vi –x) के विद्यार्थियों को विद्यालय उप-प्राचार्य की ओर से 25–30 शब्दों में सूचना दीजिए।

प्रश्न 15. अपनी पुरानी पुस्तकें गरीब विद्यार्थियों में निःशुल्क वितरण करने के लिए लगभग 25–30 शब्दों में विज्ञापन लिखिए।

(3)

अथवा

किसी दो पहिया वाहन निर्माता की ओर से यातायात नियमावाली संबंधी जागरूकता कैंप हेतु विज्ञापन 25–30 शब्दों में विज्ञापन लिखिए।

प्रश्न 16. आप संयोगिता / संयम राँची में रहते हैं। आपके क्षेत्र में पिछले एक महीने से बिजली की गंभीर समस्या है। इसकी जानकारी देते हुए झारखंड बिजली वितरण विभाग राँची के वरिष्ठ अधिकारी को लगभग 80 शब्दों में ई-मेल लिखिए।

(5)

अथवा

'जो जस करहि तस फल चाखा' को आधार मानकर एक मौलिक कहानी लिखिए।



DELHI PUBLIC SCHOOL

SAIL TOWNSHIP, RANCHI

PRE BOARD - II (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) The Ministry of Railways took an initiative in Varanasi and Raibareilly, where they introduced clay pots, also known as 'Kullhads' to replace plastic and paper cups. Which of the following is **not** an advantage of using Kullhads ?
- (a) Reduction of plastic waste
 - (b) Less wastage of water
 - (c) Job creation for potters, which contributes to the economy
 - (d) Reduction in deforestation for making paper cups
- (ii) Which of the following is **not** a type of theft?
- (a) Identity
 - (b) Worms
 - (c) Software Piracy
 - (d) Physical
- (iii) Which of the following is a valid file extension for Notepad file?
- (a) .text
 - (b) .jpg
 - (c) .jpeg
 - (d) .txt
- (iv) Financial Literacy, and Money Management Skills are types of _____ skills.
- (a) Entrepreneurship
 - (b) ICT
 - (c) Stress Management
 - (d) Communication
- (v) What is Stress?
- (vi) Define a career.

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

- (i) In which of the following long-term financial options is withdrawal permissible every year from the seventh financial year of the date of opening of the account?
 - (a) Company Fixed Deposits
 - (b) Public Provident Fund
 - (c) Post Office Savings
 - (d) Mutual Funds
- (ii) The fund borrowed from outsiders is known as-
 - (a) Capital fund
 - (b) Net Worth
 - (c) Loan Fund
 - (d) Share Capital
- (iii) Which of the following ratios measure sale per rupee of investment in fixed assets?
 - (a) Fixed Asset Turnover Ratio
 - (b) Total Assets Turnover Ratio
 - (c) Inventory Turnover Ratio
 - (d) None of the above
- (iv) Name the risk management technique that 'is designed to minimise the impact of any one security on overall portfolio performance and is also possibly the best way to reduce the risk in a portfolio'.
- (v) In which process does one has to fill in the Remat Request Form(RRF) ?
- (vi) What is Gross Block of Gross Fixed Asset?

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

- (i) Fixed Assets and Investments are examples of?
 - (a) Sources of funds
 - (b) Loan funds
 - (c) Application of funds
 - (d) Shareholder's funds
- (ii) These funds invest primarily in equity shares of companies in a particular business sector or industry. They are?
 - (a) Growth Fund
 - (b) Index Fund
 - (c) Diversified Fund
 - (d) Sector Fund
- (iii) It is assumed that every year the worth of an asset falls during usage. What is the term used for this assumption in an accounting convention?
 - (a) Appreciation
 - (b) Maturity
 - (c) Depreciation
 - (d) Depression

(iv) What is IISL?

(v) _____ takes up complaints in respect of trades executed on the NSE.

(vi) What is Arbitration?

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

- (i) What is meant by a No-delivery period?
- (ii) What is a Fund Offer Document?
- (iii) Define Bonus Share.
- (iv) Expand the term 'ETF'.
- (v) What is Corporate Analysis?
- (vi) A buyer of an option pays for the right to exercise his option. Identify the term used for this.

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

- (i) What do you understand by Market Capitalisation ?
- (ii) There is a freeze on the sale of shares for a certain period of time. What is it known as?
- (iii) What is the trading system for NSE?
- (iv) A combination of different investment assets, mixed and matched for the purpose of achieving an investor's goal is known as?
- (v) Mention any two credit rating agencies in India.

SECTION B

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

- 6. What is the difference between a misconception and reality?
- 7. What are the two types of motivation? Explain.
- 8. State any two ways in which we can use resources sensibly.
- 9. How can we protect our data from theft and viruses?
- 10. Differentiate between Trojan Horse and an Online Predator.

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

- 11. Differentiate between Balance Sheet and a Profit and Loss Account Statement.
- 12. Explain the following terms:
 - (a) Ex-date.
 - (b) Record Date
- 13. Who is a Custodian?
- 14. What is an Option? What are its types?
- 15. What are the factors that influence the price of a stock? Explain.
- 16. What is the difference between a public issue and a private placement?

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

17. SEBI is a statutory regulatory organisation formed by Government of India to oversee the Indian securities market and safeguard the welfare of investors in securities. It also governs the operation of the stock market, mutual funds and other financial institutions. Mention any four powers of SEBI.
 18. What are the various long-term financial options available for investment? Explain any four.
 19. What is a Contract Note? What are its contents ?
 20. In which asset does Mutual Fund invests? Mention the benefits of investing in Mutual Funds?
 21. Companies require funds from time to time for various purposes. It can be for raising working capital, starting a new project, improving existing infrastructure, purchasing assets, etc. issue of shares and borrowing are the ways in which companies meet their fund requirements. In the context of this paragraph, explain the various types of issue of shares.
-



DELHI PUBLIC SCHOOL

SAIL TOWNSHIP, RANCHI

PRE BOARD - II (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**.
 - (v) All questions of a particular section must be attempted in the correct order.
-

SECTION A: OBJECTIVE TYPE QUESTIONS

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

- (i) Which of the following is a barrier to effective communication?
 - (a) Use of jargon and technical terms
 - (b) Clear and concise messaging
 - (c) Active listening
 - (d) Mutual Understanding
- (ii) From the following statements, which one is not the positive impact of Entrepreneurship on society:
 - (a) Stimulates Innovation and Efficiency
 - (b) Creates Jobs and Employment Opportunities
 - (c) Solves the problems of the society
 - (d) Discourages welfare of the society
- (iii) _____ refers to focusing human efforts for maintaining a healthy body and mind capable of better withstanding stressful situations.
 - (a) Self-Motivation
 - (b) Stress Management
 - (c) Self-Awareness
 - (d) Self-Regulation
- (iv) From the following statements, which one is not correct about the Qualities of an entrepreneur
 - (a) Successful entrepreneurs adapt the habit of hard work from a very early stage.
 - (b) Entrepreneur should not think optimistically about the future of the business.
 - (c) Confident entrepreneur must not deviate from his/her decisions too early in case success is delayed.
 - (d) Entrepreneurs like to function at their own will and rules.

- (v) When you start a computer, the operating system gets loaded into the main memory from the hard disk. This is called _____
(a) uploading
(b) booting
(c) starting
(d) downloading
- (vi) Which of the following best describes a “green skill job”?
(a) A job that focuses on recycling materials.
(b) A job that reduces the environmental impact of enterprises and economic sectors.
(c) A job that involves planting trees and conserving forests.
(d) A job that manages waste in urban areas.

2. Answer any 5 out of the given 6 questions

(1X5=5 marks)

- (i) _____ styles are used to format graphics and text frames, including text wrap, borders, backgrounds and columns.
(a) border
(b) Frame
(c) Table
(d) Text
- (ii) The _____ alignment makes sure that none of the edges of text appear ragged.
(a) left
(b) right
(c) center
(d) justify
- (iii) _____ controls how graphics are stacked upon each other or relative to the text.
(a) Arrangement
(b) Alignment
(c) Anchoring
(d) Wrapping
- (iv) Which of the following tabs is by default active when the Table of Contents, Entries or Bibliography dialog box is opened?
(a) Entries
(b) Background
(c) Styles
(d) Type
- (v) Image toolbar does not provide a tool for _____
(a) filtering
(b) Cropping
(c) Copying
(d) Flipping

- (vi) Which of the following can be used to access a style menu?
- (a) F11 function key
 - (b) Sidebar menu
 - (c) Formatting toolbar
 - (d) All of these

3. Answer any 5 out of the given 6 questions

(1X5=5 marks)

- (i) Calc considers any data that it does not recognise as a number, date, time or formula, as:
- (a) Expression
 - (b) Equation
 - (c) Text
 - (d) Function
- (ii) While consolidating data, a cell range can be named using _____ option.
- (a) Name range
 - (b) Define range
 - (c) Consolidate name
 - (d) Define name
- (iii) State True or False
'Goal seek in Calc, helps us to find the desired result by adjusting an input value.'
- (a) True
 - (b) False
- (iv) According to LibreOffice Calc which of the following is not a What-if analysis tool?
- (a) Conditional formatting
 - (b) Goal Seek
 - (c) Scenarios
 - (d) Solver
- (v) Which of the following is an invalid Macro Name?
- (a) 1formatword
 - (b) format word
 - (c) format*word
 - (d) Format_word
- (vi) The changes by team members in the spreadsheet can be accepted or rejected by
- (a) the team members
 - (b) any of the user
 - (c) owner
 - (d) other users

4. Answer any 5 out of the given 6 questions

(1X5=5 marks)

- (i) Which of the following is NOT a DBMS?
- (a) Ms Access
 - (b) Open Office Base
 - (c) Ms Excel
 - (d) My SQL

- (ii) A _____ is a feature of a database using which we can enter data in a table in an easy and user-friendly manner.
- (a) query
 - (b) report
 - (c) form
 - (d) field
- (iii) Which of the following data models sets a relation between the two or more tables?
- (a) Relational Data Model
 - (b) Network Data Model
 - (c) Hierarchical Data Model
 - (d) Connection Data Model
- (iv) The design view of Table Creation window in LibreOffice Base is divided into _____ sections or panes.
- (a) 2
 - (b) 3
 - (c) 4
 - (d) 5
- (v) While entering records in a table, we can move to the next field by pressing the _____ key.
- (a) Tab
 - (b) Ctrl
 - (c) Enter
 - (d) Shift
- (vi) Which type of relationship exists between a student and the subjects studied by him/her?
- (a) One-to-one
 - (b) One-to-many
 - (c) Many-to-many
 - (d) All of the above

5. Answer any 5 out of the given 6 questions (1X5=5 marks)

- (i) Do not use the elevator in times of fire in the building. Always use _____ for such emergencies.
- (a) office space
 - (b) staircase
 - (c) washroom
 - (d) Parking
- (ii) The security department is not responsible for _____
- (a) personal safety
 - (b) computer system and equipment safety
 - (c) electrical safety
 - (d) personal belongings

- (iii) Which of the following statements is likely to result in an injury to the operator?
- (a) Selecting the right tool for the job
 - (b) Wearing safety goggles or glasses
 - (c) Using a tool with loose handles
 - (d) Keeping cutting tools sharp
- (iv) Sore lower back is caused due to _____
- (a) reaching forward frequently
 - (b) no lumbar support
 - (c) no upper back support from chair
 - (d) reaching forward for long periods
- (v) If light is coming directly behind or in front of you then you may suffer from _____
- (a) eye strain
 - (b) sore strain
 - (c) dry eyes
 - (d) eye strain and sore eyes
- (vi) Which of the following is an examples of ignition sources of open flames?
- (a) Gas ovens
 - (b) Lighters in smoking areas
 - (c) Welding torches
 - (d) All of the above

SECTION B: SUBJECTIVE TYPE QUESTIONS

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

(2x3=6 marks)

Answer each question in 20-30 words.

6. Why is self-regulation important in life?
7. Write any four roles of Entrepreneurs.
8. Differentiate between file and folder.
9. What role do green skills play in addressing climate change?
10. Can you explain the principle of completeness in context of effective communication?

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

11. What is the use of What-if Scenarios?
12. List and explain two common safety hazards in a workplace.
13. What do you understand by custom styles in LibreOffice Writer?
14. What do you mean by Primary key and Foreign key?
15. What do you mean by Macro? List any two advantages of using Macro.
16. What do you mean by Track changes? What is the difference between Accept Track Change and accept all Tracked changes buttons?

17. What are the tools available in drawing toolbar? Describe any four tools.
 18. What do you understand by the terms:
 - (a) Goal Seek
 - (b) Subtotal
 - (c) Consolidate function
 - (d) Scenario
 19. Lavish wants to know the following points about database.
 - (a) Definition of Database management System
 - (b) Any two advantages of using database management system for school.
 20. What are Data Models? Explain different types of Data models?
 21. Sanya is a HR manager at mid-sized technology firm. Over the past year, several employees have reported experiencing eye strain, headaches, and other visual discomforts due to prolonged screen time. Sanya wants to implement strategies to reduce the risk of visual problems among her staff. What steps should Sanya tell her employees to reduce the risk of visual problems in her office environment?
-



DELHI PUBLIC SCHOOL

SAIL TOWNSHIP, RANCHI

PRE BOARD - II (2024-25)

Class - X
Time - 3 Hours

Subject: Mathematics (Basic)
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

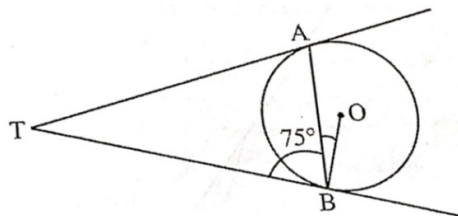
1. If n is natural number, then 8^n cannot end with digit
(a) 0 (b) 2 (c) 4 (d) 6
2. The number of polynomials having zeroes 1 and -2 is
(a) 1 (b) 2 (c) 3 (d) More than 3
3. If a pair of linear equations is consistent, then the lines will be
(a) Parallel (b) always coincident
(c) Intersecting or coincident (d) always intersecting
4. The quadratic equation $2x^2 - \sqrt{5}x + 1 = 0$ has
(a) two distinct real roots (b) two equal real roots
(c) no real root (d) more than two real roots
5. If $(P - 1)$, $(P + 3)$, $(3P - 1)$ are in A.P, then p is equal to
(a) 4 (b) -4 (c) 2 (d) -2
6. The distance between the points $(\cos\theta, \sin\theta)$ and $(\sin\theta, \cos\theta)$ is
(a) $\sqrt{3}$ (b) $\sqrt{2}$ (c) 2 (d) 1
7. If in a right angled triangle ACB, $\tan B = \frac{12}{5}$, then $\sin B$ is
(a) $\frac{12}{13}$ (b) $\frac{5}{13}$ (c) $\frac{7}{13}$ (d) $\frac{9}{13}$
8. Two circles touch each other externally at C and AB is common tangent of circles, then $\angle ACB$ is
(a) 70° (b) 60° (c) 100° (d) 90°

9. If $6 \cot \theta + 2 \operatorname{cosec} \theta = \cot \theta + 5 \operatorname{cosec} \theta$, then $\cos \theta$ is
 (a) $\frac{4}{5}$ (b) $\frac{5}{3}$ (c) $\frac{3}{5}$ (d) None
10. The ratio of the length of a pole and its shadow is $\sqrt{3}:1$. The angle of elevation of the sun is
 (a) 30° (b) 45° (c) 60° (d) 90°
11. The area of a circle whose area and circumference are numerically equal is
 (a) 2π sq. unit (b) 4π sq. unit (c) 6π sq. unit (d) 8π sq. unit
12. The volume of the largest right circular cone that can be cut out from a cube of edge 4.2 cm is
 (a) 9.7cm^3 (b) 77.6cm^3 (c) 58.2cm^3 (d) None
13. Find the class mark of the C.I. 18 – 22.
 (a) 4 (b) 18 (c) 22 (d) 20
14. The probability of getting a bad egg in a lot of 400 is 0.035. The number of bad eggs in the lot is
 (a) 7 (b) 14 (c) 21 (d) 28
15. If n^{th} term of an A.P is $an + b$, then its common difference is
 (a) b (b) a (c) n (d) $-a$
16. The pair of linear equations $4x + 6y = 9$ and $2x + 3y = 6$ has
 (a) no solution (b) many solution (c) two solution (d) one solution
17. The 21st term of the A.P whose first two terms are -3 and 4 , is
 (a) 17 (b) 137 (c) 143 (d) -143
18. If the point P(6,3) lies on the line joining A (4,2) and B (8,4), then
 (a) $AP = \frac{1}{3}AB$ (b) $AP=PB$ (c) $PB = \frac{1}{3}AB$ (d) 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):** TA and TB are two tangents drawn from an external point T to a circle with centre 'O'. If $\angle TBA = 75^\circ$ then $\angle ABO = 25^\circ$



Reason (R): The tangent drawn at any point of a circle is perpendicular to the radius through the point of contact.

20. **Assertion (A):** If the graph of a polynomial intersect the x-axis at exactly two points, then the number of zeroes of that polynomial is 2

Reason (R): The number of zeroes of a polynomial is equal to the number of points where the graph of the polynomial intersects x axis

SECTION - B

21. (A) Solve the following system of equation by elimination method

$$3x + y = 5$$

$$2x - y = 5$$

OR

(B) In a two digit number, the ten's digit is three times the unit's digit. When the number is decreased by 54, then the digits are reversed. Find the number.

22. Find the length of tangents drawn to a circle, with radius 5cm, from a point 13cm away from the centre of the circle.

23. (A) If $\cos\alpha = \frac{1}{2}$ and $\tan\beta = \frac{1}{\sqrt{2}}$, then find $\sin(\alpha + \beta)$

OR

(B) Find an acute angle θ , when

$$\frac{\cos\theta - \sin\theta}{\cos\theta + \sin\theta} = \frac{1 - \sqrt{3}}{1 + \sqrt{3}}$$

24. In $\triangle ABC$, $DE \parallel BC$. If $AD = x$, $DB = x - 2$, $AE = x + 2$ and $EC = x - 1$, find x

25. (A) A chord is subtending an angle of 90° at centre of a circle of radius 14 cm. Find the area of the corresponding minor segment of the circle.

OR

(B) The radius of a wheel is 0.25m. Find the number of revolution it will make to travel a distance of 11km

SECTION - C

26. Prove that $7\sqrt{3} - 1$ is irrational

27. (A) Prove that $\frac{\cos\theta - \sin\theta + 1}{\cos\theta + \sin\theta + 1} = \operatorname{cosec}\theta + \cot\theta$

OR

(B) $(\sin A + \operatorname{Cosec} A)^2 + (\cos A + \sec A)^2 = 7 + \tan^2 A + \cot^2 A$

28. E is a point on the side AD produced of a parallelogram ABCD and BE intersect CD at F. Show that $\triangle ABE \sim \triangle CFB$

29. (A) Determine the condition for one root of the quadratic equation $ax^2 + bx + c = 0$ to be thrice of the other.

OR

(B) The difference of two natural number is 5 and the difference of their reciprocals is $\frac{1}{10}$. Find the numbers.

30. Solve the given pair of linear equation graphically $2x + 4y = 10$ and $3x + 6y = 12$.
31. Two dice are thrown at the same time. What is the probability that the sum of the two numbers appearing on the top of dice is
- (i) 8 (ii) 13 (iii) less than or equal to 12

SECTION - D

32. (A) A hemispherical bowl of internal diameter 36cm contains liquid. This liquid is filled into 72 cylindrical bottles of diameter 6cm. Find the height of the each bottle if 10% liquid is wasted in this transfer.

OR

- (B) A solid is composed of a cylinder with hemi-spherical ends. If the whole length of the solid is 100cm and the diameter of the hemi-spherical ends is 28cm. Find the cost of polishing the surface of the solid at the rate of 5paise per sq.cm
33. The mean of the following frequency table is 50. But the frequencies f_1 and f_2 are missing. Find the missing frequencies

Classes	0-20	20-40	40-60	60-80	80-100	Total
Frequency	17	f_1	32	f_2	19	120

34. Prove that the opposite sides of a quadrilateral circumscribing a circle subtends supplementary angle at centre of the circle.
35. (A) For which condition, the quadratic equation $(a^2 + b^2)x^2 - 2(ac + bd)x + (c^2 + d^2) = 0$ has equal roots.

OR

- (B) Find the value of p for which the quadratic equation $(2p + 1)x^2 - (7p + 2)x + (7p - 3) = 0$ has equal roots. Also find these roots.

SECTION - E

This section comprises 3 case study based questions of 4 marks each.

Case Study -1

36. Play Cards

There are three friends and they want to play some interesting game. Firstly, they consider some cards and marked with the numbers 2 to 101 are placed in a box and mixed thoroughly. One card is drawn from this box.

- (i) Find the probability that the drawn on the card is an even number. [1]
 (ii) Find the probability that the drawn on the card is a number less than 14. [1]
 (iii) Find the probability that the drawn on the card is a number which is a perfect square. [2]

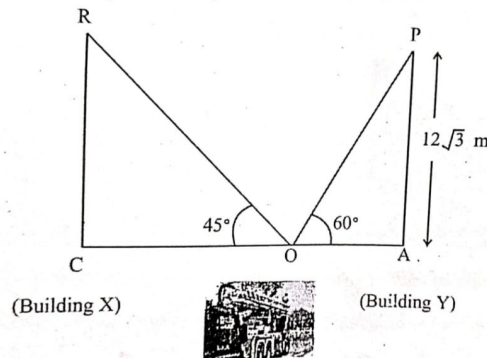
OR

Find the probability that the drawn on the card is a prime number and it is less than 20.

Case Study -2

37. Due to short circuit, a fire has broken out in New Home Complex. Two buildings namely X and Y have mainly been affected. The fire engine has arrived and it has been stationed at a point which is in between the two buildings. A ladder at point O is fixed in front of the fire engine.

The ladder inclined at an angle 60° to the horizontal is leaning against the wall of the terrace (top) of the building Y. The foot of the ladder is kept fixed and after some time it is made to lean against the terrace (top) of the opposite building X at an angle of 45° with the ground. Both the buildings along with the foot of the ladder, fixed at 'O' are in a straight line.



Based on the above given information, answer the following questions:

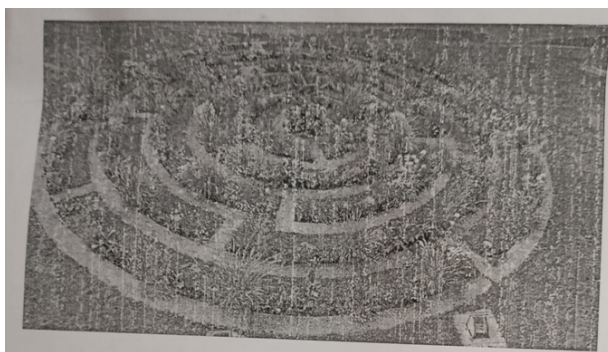
- (i) Find the length of the ladder. [1]
- (ii) Find the distance of the building Y from point 'O', i.e. OA. [1]
- (iii) (A) Find the horizontal distance between the two buildings. [2]

OR

- (B) Find the height of the building X.

Case Study -3

38. A school has decided to plant some endangered trees on 51st World Environment Day in the nearest park. They have decided to plant those trees in few concentric circular rows such that each succeeding row has 20 more trees than the previous one. The first circular row has 50 trees.



Based on the above given information, answer the following questions:

- (i) How many trees will be planted in the 10th row? [1]
- (ii) How many more trees will be planted in the 8th row than in the 5th row? [1]
- (iii) (A) If 3200 trees are to be planted in the park, then how many rows are required? [2]

OR

- (B) If 3200 trees are to be planted in the park, then how many trees are still left to be planted after the 11th row?



DELHI PUBLIC SCHOOL

SAIL TOWNSHIP, RANCHI

PRE BOARD - II (2024-25)

Class - X
Time - 3 Hours

Subject: Mathematics (Standard)
Maximum Marks: 80

General Instructions:

Read the following instructions carefully and follow them

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- (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

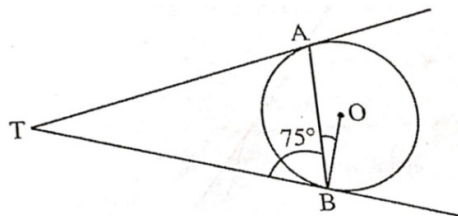
1. The largest number which divides 70 and 125 leaving remainder 5 & 8 respectively is
(a) 13 (b) 65 (c) 875 (d) 1750
2. The number of polynomials having zeros 1 and -2 is
(a) 1 (b) 2 (c) 3 (d) More than 3
3. If a pair of linear equations is consistent, then the lines will be
(a) Parallel (b) always coincident
(c) Intersecting or coincident (d) always intersecting
4. The quadratic equation $2x^2 - \sqrt{5}x + 1 = 0$ has
(a) two distinct real roots (b) two equal real roots
(c) no real root (d) more than two real roots
5. If $(P - 1)$, $(P + 3)$, $(3P - 1)$ are in A.P, then p is equal to
(a) 4 (b) -4 (c) 2 (d) -2
6. The distance between the points $(\cos\theta, \sin\theta)$ and $(\sin\theta, \cos\theta)$ is
(a) $\sqrt{3}$ (b) $\sqrt{2}$ (c) 2 (d) 1
7. If in a triangle ABC and DEF, $\frac{AB}{EF} = \frac{AC}{DE}$, then they will be similar when
(a) $\angle A = \angle D$ (b) $\angle A = \angle E$ (c) $\angle B = \angle E$ (d) $\angle C = \angle F$
8. Two circles touch each other externally at C and AB is common tangent of circles, then $\angle ACB$ is
(a) 70° (b) 60° (c) 100° (d) 90°

9. If $6 \cot \theta + 2 \operatorname{cosec} \theta = \cot \theta + 5 \operatorname{cosec} \theta$, then $\cos \theta$ is
 (a) $\frac{4}{5}$ (b) $\frac{5}{3}$ (c) $\frac{3}{5}$ (d) None
10. The ratio of the length of a pole and its shadow is $\sqrt{3}:1$. The angle of elevation of the sun is
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11. The area of a circle whose area and circumference are numerically equal is
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12. The volume of the largest right circular cone that can be cut out from a cube of edge 4.2 cm is
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14. The probability of getting a bad egg in a lot of 400 is 0.035. The number of bad eggs in the lot is
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15. If n^{th} term of an A.P is $an + b$, then its common difference is
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16. The pair of linear equations $4x + 6y = 9$ and $2x + 3y = 6$ has
 (a) no solution (b) many solution (c) two solution (d) one solution
17. The 21st term of the A.P whose first two terms are -3 and 4 , is
 (a) 17 (b) 137 (c) 143 (d) -143
18. If the point P(6,3) lies on the line joining A (4,2) and B (8,4), then
 (a) $AP = \frac{1}{3}AB$ (b) $AP=PB$ (c) $PB = \frac{1}{3}AB$ (d) 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.
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19. **Assertion (A):** TA and TB are two tangents drawn from an external point T to a circle with centre 'O'. If $\angle TBA = 75^\circ$ then $\angle ABO = 25^\circ$



Reason (R): The tangent drawn at any point of a circle is perpendicular to the radius through the point of contact.

20. **Assertion (A):** If the graph of a polynomial intersect the x-axis at exactly two points, then the number of zeroes of that polynomial is 2

Reason (R): The number of zeroes of a polynomial is equal to the number of points where the graph of the polynomial intersects x axis

SECTION - B

21. (A) Solve the following system of equation by elimination method

$$x + y = a - b$$

$$ax - by = a^2 + b^2$$

OR

(B) In a two digit number, the ten's digit is three times the unit's digit. When the number is decreased by 54, then the digits are reversed. Find the number.

22. Find the length of tangents drawn to a circle, with radius 5cm, from a point 13cm away from the centre of the circle.

23. (A) If $\cos \alpha = \frac{1}{2}$ and $\tan \beta = \frac{1}{\sqrt{3}}$, then find $\sin (\alpha + \beta)$

OR

(B) Find an acute angle θ , when

$$\frac{\cos \theta - \sin \theta}{\cos \theta + \sin \theta} = \frac{1 - \sqrt{3}}{1 + \sqrt{3}}$$

24. In $\triangle ABC$, $DE \parallel BC$. If $AD = x$, $DB = x - 2$, $AE = x + 2$ and $EC = x - 1$, find x

25. (A) A chord is subtending an angle of 90° at centre of a circle of radius 14 cm. Find the area of the corresponding minor segment of the circle.

OR

(B) The radius of a wheel is 0.25m. Find the number of revolution it will make to travel a distance of 11km

SECTION - C

26. Prove that $7\sqrt{3} - 1$ is irrational

27. (A) Prove that $\frac{\cos \theta - \sin \theta + 1}{\cos \theta + \sin \theta + 1} = \operatorname{cosec} \theta + \cot \theta$

OR

(B) $(\sin A + \operatorname{cosec} A)^2 + (\cos A + \sec A)^2 = 7 + \tan^2 A + \cot^2 A$

28. E is a point on the side AD produced of a parallelogram ABCD and BE intersect CD at F. Show that $\triangle ABE \sim \triangle CFB$

29. (A) Determine the condition for one root of the quadratic equation $ax^2 + bx + c = 0$ to be thrice of the other.

OR

(B) The difference of two natural number is 5 and the difference of their reciprocals is $\frac{1}{10}$. Find the numbers.

30. Solve the given pair of linear equation graphically $2x + 4y = 10$ and $3x + 6y = 12$.
31. Two dice are thrown at the same time. What is the probability that the sum of the two numbers appearing on the top of dice is
- (i) 8 (ii) 13 (iii) less than or equal to 12

SECTION - D

32. (A) A hemispherical bowl of internal diameter 36cm contains liquid. This liquid is filled into 72 cylindrical bottles of diameter 6cm. Find the height of the each bottle if 10% liquid is wasted in this transfer.

OR

- (B) A solid is composed of a cylinder with hemi-spherical ends. If the whole length of the solid is 100cm and the diameter of the hemi-spherical ends is 28cm. Find the cost of polishing the surface of the solid at the rate of 5paise per sq.cm
33. The mean of the following frequency table is 50. But the frequencies f_1 and f_2 are missing. Find the missing frequencies

Classes	0-20	20-40	40-60	60-80	80-100	Total
Frequency	17	f_1	32	f_2	19	120

34. Prove that the opposite sides of a quadrilateral circumscribing a circle subtends supplementary angle at centre of the circle.
35. (A) If the roots of the quadratic equation $(x - a)(x - b) + (x - b)(x - c) + (x - c)(x - a) = 0$ are equal, then show that $a = b = c$

OR

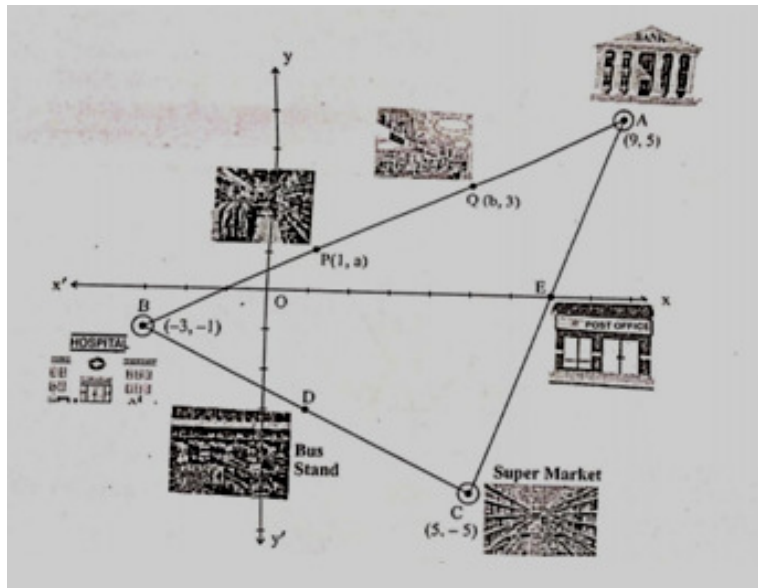
- (B) Find the value of p for which the quadratic equation $(2p + 1)x^2 - (7p + 2)x + (7p - 3) = 0$ has equal roots. Also find these roots.

SECTION - E

This section comprises 3 case study based questions of 4 marks each.

Case Study -1

36. Partha, a software engineer, lives in a city for his work. He lives in the most convenient area of the city from where bank, hospital, post office and supermarket can be easily accessed. In the graph, the bank is plotted as A(9, 5), hospital as B(-3,-1) and supermarket as C(5,-5) such that A, B, C form a triangle.



Based on the above given information, answer the following questions:

- (i) Find the distance between the bank and the hospital. [1]
- (ii) In between the bank and the supermarket, there is a post office plotted at E which is their mid-point. Find the coordinates of E. [1]
- (iii) (A) In between the hospital and the supermarket, there is a bus stop plotted as D, which is their mid-point. If Partha wants to reach the bus stand from the bank, then how much distance does he need to cover? [2]

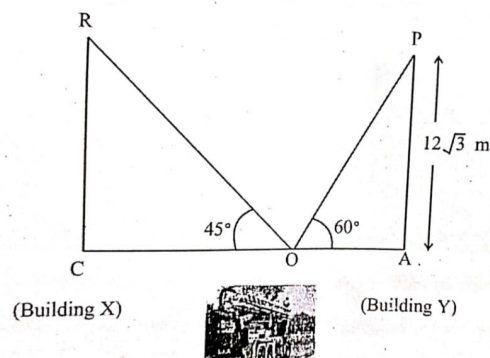
OR

- (B) P and Q are two different shops lying between the bank and the hospital, such that $BP=PQ=QA$. If the coordinates of P and Q are $(1, a)$ and $(b, 3)$ respectively, then find the values of 'a' and 'b'.

Case Study -2

37. Due to short circuit, a fire has broken out in New Home Complex. Two buildings namely X and Y have mainly been affected. The fire engine has arrived and it has been stationed at a point which is in between the two buildings. A ladder at point O is fixed in front of the fire engine.

The ladder inclined at an angle 60° to the horizontal is leaning against the wall of the terrace (top) of the building Y. The foot of the ladder is kept fixed and after some time it is made to lean against the terrace (top) of the opposite building X at an angle of 45° with the ground. Both the buildings along with the foot of the ladder, fixed at 'O' are in a straight line.



Based on the above given information, answer the following questions:

- (i) Find the length of the ladder.
- (ii) Find the distance of the building Y from point 'O', i.e. OA.
- (iii) **(A)** Find the horizontal distance between the two buildings.

OR

- (B)** Find the height of the building X.

Case Study -3

38. A school has decided to plant some endangered trees on 51st World Environment Day in the nearest park. They have decided to plant those trees in few concentric circular rows such that each succeeding row has 20 more trees than the previous one. The first circular row has 50 trees.



Based on the above given information, answer the following questions:

- (i) How many trees will be planted in the 10th row? [1]
- (ii) How many more trees will be planted in the 8th row than in the 5th row? [1]
- (iii) **(A)** If 3200 trees are to be planted in the park, then how many rows are required? [2]

OR

- (B)** If 3200 trees are to be planted in the park, then how many trees are still left to be planted after the 11th row?
-



DELHI PUBLIC SCHOOL

SAIL TOWNSHIP, RANCHI

PRE BOARD-II (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।

अस्माकम् देशः प्राचीनकालादेव प्राकृतिक-पर्यावरणस्य पोषकः अस्ति। वैदिककाले यद्यपि पर्यावरणविषयकं प्रदूषणस्य समस्या नासीत् तथापि वेदेषु स्थाने-स्थाने ऋषीणां पर्यावरणविषयकं चिन्तनं दृश्यते। अद्य पर्यावरण-प्रदूषणं संसारस्य भीषणतमा समस्या वर्तते, परं जनाः अस्याः गाम्भीर्यं न अनुभवन्ति। पर्यावरणं रक्षणीयं वृक्षाः रोपणीयाः रक्षणीयाः च इति शृण्वन्तः उद्घोषयन्तः अपि वयं प्रतिदिनं तेषां कर्तनं पश्यामः। 'प्लास्टिक' इति रसायनेन निर्मितवस्तूनि पर्यावरणाय हानिकराणि इति जानन्तः अपि जनाः एतेषां प्रयोगं बाहुल्येन कुर्वन्ति। पर्यावरणप्रदूषकं धूमं क्षिपतां वाहनानाम् औद्योगिक-यन्त्रागाराणां सङ्ख्या निरन्तरम् वर्धमाना अस्ति। यद्यपि विकासाय नवीनाः आविष्काराः, अपेक्षिताः परं संचाराय विस्तृताः सुरक्षिताः मार्गाः जनानां कृते अपि आवश्यकाः एव। यदि पर्यावरणं प्राणिजीवनाय अनुकूलं न भविष्यति तर्हि पृथिव्यां जीवनमेव असम्भवं भविष्यति तदा भौतिकविकासेन किम्! अतः सर्वकारः जनसहयोगेन सर्वथा पर्यावरणरक्षाय यत्नशीलः भवेदिति।

1 एकपदेन उत्तरत।

{1/2x4=2}

- क. के रोपणीयाः रक्षणीयाः च?
ख. अस्माकं देशः कस्य पोषकः अस्ति?
ग. केषां सङ्ख्या निरन्तरं वर्धमाना अस्ति?
घ. कदा पर्यावरणस्य प्रदूषणस्य समस्या नासीत्?

2 पूर्णवाक्येन उत्तरत।

{2x2=4}

- क. किं जानन्तः जनाः प्लास्टिक-निर्मितवस्तूनां प्रयोगं बाहुल्येन कुर्वन्ति?
ख. यदि पर्यावरणं प्राणिजीवनाय अनुकूलं न भविष्यति तर्हि किं भविष्यति?

3 अस्य अनुच्छेदस्य कृते उपयुक्तं शीर्षकं लिखत।

{1x1=1}

4 निर्देशानुसारम् प्रदत्तविकल्पेभ्यः उचितम् उत्तरं चित्वा लिखत (केचन त्रयः)

{1x3=3}

क. 'वयं प्रतिदिनं तेषां कर्तनं पश्यामः' अस्मिन् वाक्ये 'पश्यामः' क्रियायाः कर्तृपदं किम् अस्ति?

- {अ} पश्यामः {ब} कर्तनम् {स} प्रतिदिनम् {द} वयम्

ख. 'शोषकः' इति पदस्य विलोम पदम् गद्यांशे किम् प्रयुक्तम्?

- {अ} विषकः {ब} चिन्तनीयः {स} सरलः {द} पोषकः

ग. 'नवीनाः' इति विशेषणपदस्य विशेष्यपदं गद्यांशे किम् प्रयुक्तम्?

- {अ} जनाः {ब} अपेक्षिताः {स} आविष्काराः {द} मार्गाः

घ. 'जनाः अस्याः गाम्भीर्यं न अनुभवन्ति' अत्र क्रियापदम् किम् अस्ति?

- {अ} जनाः {ब} अस्याः {स} गाम्भीर्यम् {द} अनुभवन्ति

खण्डः 'ख'

रचनात्मक-कार्यम् {15 अंकाः}

प्रश्न 2 भवान् विद्यानाथः स्वमित्रं प्रति लिखितम् अधोपत्रं मंजूषाप्रदत्तशब्दैः पूरयित्वा पुनः लिखत

{½x10=5}

27, नारायण मार्ग

(1) -----

तिथिः 26 / 12 / 2024

प्रिय मित्र (2) -----

सादरं नमोनमः।

अत्र कुशलं तत्रास्तु। अहं अधुना सन्दरकाण्डम् इति पुस्तक-विषये लेखितुम् इच्छामि। एतत् मम पितामहेन मह्यम् दत्तम्। अहम् (3) ----- तस्य पारायणम् अकरवम्। मित्रवर! (4) ----- एतत् सुन्दरकाण्डम्। अस्य भाषाशैली (5) ----- मधुरा च वर्तते। एतस्य पठनेन अस्माकम् (6) ----- सह संस्कारः च अपि वर्धते। मित्र! अहम् तुभ्यम् एकम् (7) ----- प्रेषयामि। त्वमपि अस्य (8) ----- कुरु। जीवने सफलताम् च आप्नुहि। (9) ----- मम प्रणामाः।

तव अभिन्नम् मित्रम्

(10) -----

मंजूषा

सुन्दरकाण्डपुस्तकम्, संस्कृतज्ञानेन, एकवारम्, मातापितृभ्याम्, विद्यानाथः, विजयनगरतः, राकेश, ग्रन्थरत्नम्, अतिसरला, पारायणम्।

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

{1x5=5}



मंजूषा

पर्यटकाः, आगच्छन्ति, पर्वतीयस्थलम्, ग्रीष्मकाले, जनाः, कुर्वन्ति, उत्साहेन, नैनीसरोवरः, नौकाविहारम्, भ्रमन्ति, यानेन, आनन्दिताः, सपरिवारम्, परस्परम्।

अथवा

‘चलितदूरभाष-यन्त्रम् विद्यार्थी च’ (मोबाईल और विद्यार्थी) इति विषयमधिकृत्य मंजूषायाः सहायतया संस्कृतेन पञ्च वाक्यानि रचयत :-

मंजूषा

चलितदूरभाष-यन्त्रम्, छात्राः, गृहे, अधिकं समयम्, व्यस्ताः, वरदानम् अभिशापश्च, अधुना, वार्तालापः, लक्षाधिकाः, जनाः, अल्पेनैव कालेन, क्वचित्, सर्वत्र, अन्तरजालक्रीडा।

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

{1x5=5}

- क. भगीरथ ने गंगा को स्वर्ग से धरती में लाए।
ख. विश्वामित्र ने पुत्रेष्टि यज्ञ कराया।
ग. भारत देश में कुल 27 राज्य हैं।
घ. नदियों में गंगा नदी श्रेष्ठ है।
ङ. हे नर्मदा तुम्हारे दर्शन से मुक्ति होती है।
च. हे प्रभु मेरे अपराधों को क्षमा करो।
छ. रमेश अपने गाँव की ओर जा रहा है।

खण्ड: 'ग'

अनुप्रयुक्त-व्याकरणम् {25 अंकाः}

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

{1x4=4}

- क. अम्भोदा बहवो हि सन्ति गगने।
ख. कुसुमावलिः समीर चालिता स्यान्मे वरणीया।
ग. अयमेकस्तावद्विभज्य भुज्यताम्, पश्चात् कश्चिल्लक्ष्यते।
घ. गिरां सन्दर्भोऽयं प्रथममवतीर्णो वसुमतीम्।
ङ. जीवनं रसमयं कुरुध्वम् तद्यथा कथितम्।

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

{1x4=4}

- क. सर्वम् अवमानितं पक्षिकुलं त्वया।
[अ] पक्षीणाम् कुलम् [ब] पक्षीभ्यः कुलम् [स] पक्षीषु कुलम् [द] पक्षिणा कुलम्
ख. गुरुवचनम् सर्वदा उपादेयम् एव भवति।
[अ] गुरवे वचनम् [ब] गुरौ वचनम् [स] गुरुणा वचनम् [द] गुरोः वचनम्
ग. राजासनं खलु एतत्।
[अ] राज्ञा आसनम् [ब] राज्ञः आसनम् [स] राज्ञे आसनम् [द] राज्ञायाः आसनम्
घ. सः भारवेदनया कन्दति स्म।
[अ] भारेण वेदनया [ब] भाराय वेदनया [स] भारात् वेदनया [द] भारस्य वेदनया
ङ. एकः धर्मज्ञः आचार्यः आगच्छति।
[अ] धर्मं जानाति यस्य सः [ब] धर्मं जानाति येन सः [स] धर्मं जानाति यः सः [द] धर्मेण जानाति यः सः

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

- क. स्वतन्त्रता अस्माकं मूल + ठक् अधिकारः अस्ति।
[अ] मौलिकः [ब] मौलिकम् [स] मौलिकेन [द] मौलिकाय
ख. मतिमान् एव धनवान् भवितुम् अर्हति।
[अ] मति + क्तवतु [ब] मती + मतुप् [स] मति + क्त [द] मति + मतुप्
ग. ईशतां प्राप्य दुष्कर्म न कर्तव्यम्।
[अ] ईश + ताम् [ब] ईश + त्व [स] ईश + तल् [द] ईशत + टाप्
घ. वानरस्य चपल + त्व बालेभ्यः रोचते।
[अ] चपला [ब] चपलत्व [स] चपलत्वम् [द] चपलता
ङ. मनसः चंचल + तल् कः निरोद्धुम् शक्नोति।
[अ] चंचलता [ब] चंचलताम् [स] चंचला [द] चंचलत्वम्

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

- क. जनकः (4:30) ————— सुप्त्वा उत्तिष्ठति।
 ख. प्रातः (5:45) ————— वादने व्यायामं करोति।
 ग. प्रातः (11:15) ————— वादने कार्यालयं गच्छति।
 घ. सायं (4:00) ————— वादने कार्यालयात् गृहम् आगच्छति।
 ङ. सायं (8:15) ————— तः (8:45) ————— पर्यन्तं दूरदर्शने वार्ता पश्यति।

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

- क. आम्! सत्यम् कथितः त्वया।
 {अ} कथितेन {ब} कथितैः {स} कथितम् {द} कथितस्य
 ख. वन्यजीवाः भक्षकं रक्षकपदयोग्यं न मन्यते।
 {अ} मन्येत् {ब} मन्येताम् {स} मन्यामहे {द} मन्यन्ते
 ग. अस्मिन् चौर्याभियोगे त्वं वर्षत्रयस्य कारादण्डं लप्स्यते।
 {अ} लप्स्यसे {ब} लप्स्ये {स} लप्स्यन्ते {द} लप्स्यध्वे
 घ. भयाकुलं व्याघ्रं दृष्ट्वा काचिद् धूर्तः श्रृगालः हसन्नाह।
 {अ} किञ्चिद् {ब} केचिद् {स} कौचिद् {द} कश्चिद्

प्रश्न 10 अधोलिखितं वाक्यं वाच्यानुरेण विकल्पेभ्यः उचितं पदं चित्वा लिखत। (केचन त्रयः) {1x3=3}

- क. यदि एवं तर्हि ————— अहं हन्तव्यः इति।
 {अ} त्वम् {ब} त्वाम् {स} त्वया {द} यूयम्
 ख. पशुना अपि उदीरितः अर्थः —————।
 {अ} गृह्यन्ते {ब} गृह्यते {स} गृह्यसे {द} गृह्यध्वे
 ग. अयोग्यः पुरुषः न —————।
 {अ} असि {ब} अस्मि {स} अस्ति {द} सन्ति
 घ. राजमुकुटमिव शिखां स्थापयता विधात्रा एवाहं पक्षिराजः —————।
 {अ} कृतम् {ब} कृताः {स} कारितः {द} कृतः

प्रश्न 11 अधोलिखितं वाक्यं अव्ययपदानुसारेण विकल्पेभ्यः उचितं पदं चित्वा लिखत। (केचन त्रयः) {1x3=3}

- क. यत्रास्ते सा धूर्ता ————— गम्यताम्।
 {अ} अत्र {ब} कुत्र {स} सर्वत्र {द} तत्र
 ख. सः ————— वह्निः दहते शरीरम्।
 {अ} अपि {ब} एव {स} न {द} हि
 ग. यदि अहम् कृष्णवर्णः ————— किम् गौराङ्गः।
 {अ} तथा {ब} अपि {स} तर्हि {द} एव
 घ. यद्यपि ग्रामस्य आरक्षी ————— चौरः आसीत्।
 {अ} हि {ब} एव {स} अपि {द} यथा

खण्डः 'घ'

पठित-अवबोधनम् {30 अंकाः}

प्रश्न 12 अधोलिखितं गद्यांशं पठित्वा प्रश्नानाम् उत्तराणि लिखत।

आदेशं प्राप्य उभौ प्राचलताम्। तत्रोपेत्य काष्ठपटले निहितं पटाच्छादितं देहं स्कन्धेन वहन्तौ न्यायाधिकारिणं प्रति प्रस्थितौ। आरक्षी सुपुष्टदेहः आसीत्, अभियुक्तश्च अतीव कृषाकायः। भारवतः शवस्य स्कन्धेन वहनं तत्कृते दुष्करम् आसीत्। सः भारवेदनया क्रन्दति स्म। तस्य क्रन्दनं निशम्य मुदितः आरक्षी तमुवाच – “रे दुष्ट! तस्मिन् दिने त्वयाऽहं चोरितायाः मंजूषायाः ग्रहणाद् वारितः। इदानीं निजकृत्यस्य फलं भुङ्क्ष्व। अस्मिन् शौर्याभियोगे त्वं वर्षत्रयस्य कारादण्डं लप्स्यसे” इति प्रोच्य उच्चैः अहसत्। यथाकथञ्चिद् उभौ शवमानीय एकस्मिन् चत्वरे स्थापितवन्तौ।

1 एकपदेन उत्तरत।

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

- क. आरक्षी कीदृशः आसीत्?
ख. किम् प्राप्य उभौ प्राचलताम्?

2 पूर्णवाक्येन उत्तरत।

{ $1 \times 2 = 2$ }

- क. कः सुपुष्टदेहः आसीत् कश्च कृषकायः आसीत्?
ख. अभियुक्तस्य क्रन्दनं श्रुत्वा प्रसन्नः आरक्षी तं किम् उवाच?

3 निर्देशानुसारम् उत्तरत।

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

- क. 'एकस्मिन्' इति विशेषणपदस्य विशेष्यपदं किम्?
ख. 'प्रस्थितौ' इति क्रियापदस्य कर्तृपदं किम्?
ग. 'सुपुष्टदेहः' इति पदस्य विपर्ययपदं किम्?
घ. 'कठिनम्' इत्यर्थे गद्यांशे किं पदं प्रयुक्तम्?

प्रश्न 13 अधोलिखितं नाट्यांशं पठित्वा प्रश्नानाम् उत्तराणि लिखत।

- जम्बुकः – स्वामिन्! यत्रास्ते सा धूर्ता तत्र गम्यताम्। व्याघ्रः तव पुनः तत्र गतस्य सा सम्मुखमपीक्षते
यदि तर्हि त्वया अहं हन्तव्यः इति।
व्याघ्रः – शृगालः यदि त्वम् माम् मुक्त्वा यासि तर्हि वेलाप्यवेला स्यात्।
जम्बुकः – यदि एवं तर्हि मां निजगले बध्वा चल सत्वरम्। स व्याघ्रः तथा कृत्वा काननं ययौ। शृगालेन सहितं
पुनरायान्तं व्याघ्रं दूराद् दृष्ट्वा बुद्धिमती चिन्तितवती—जम्बुककृतोत्साहाद् व्याघ्रात् कथं मुच्यताम्? परं
प्रत्युत्पन्नमितिः सा जम्बुकमाक्षिपन्त्या अंगुल्या तर्जयन्त्युवाच— रे रे धूर्त त्वया दत्तं मह्यं व्याघ्रत्रयं पुरा।
विश्वास्याद्यैकमानीय कथं यासि वदाधुना।।

1 एकपदेन उत्तरत।

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

- क. व्याघ्रजम्बुकौ कुत्र ययौ?
ख. शृगालेन सहितं कम् दृष्ट्वा बुद्धिमती चिन्तितवती?

2 पूर्णवाक्येन उत्तरत।

{ $1 \times 2 = 2$ }

- क. जम्बुकः व्याघ्रं किम् कथयति?
ख. सा बुद्धिमती किम् चिन्तितवती?

3 निर्देशानुसारम् उत्तरत।

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

- क. 'शीघ्रम्' इति पदस्य पर्याय पदं नाट्यांशे किम् प्रयुक्तम्?
ख. 'बध्वा' इति पदस्य विलोम—पदं नाट्यांशे किम् प्रयुक्तम्?
ग. 'सा धूर्ता' इत्यनयोः पदयोः विशेषण पदं किम्?
घ. 'वद' इति क्रियापदस्य कर्तृपदं किम्?

प्रश्न 14 अधोलिखितं पद्यांशं पठित्वा प्रश्नानाम् उत्तराणि लिखत।

- यदि न स्यान्नरपतिः सम्यङ्नेता ततः प्रजा।
अकर्णधारा जलधौ विप्लवेतेह नौरिव।।
अपत्येषु च सर्वेषु जननी तुल्यवत्सला।
पुत्रे दीने तु सा माता कृपार्द्रहृदया भवेत्।।

1 एकपदेन उत्तरत।

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

- क. कम् प्रति माता कृपार्द्रहृदया भवेत्?
ख. सर्वेषु अपत्येषु जननी कीदृशी भवति?

2 पूर्णवाक्येन उत्तरत ।

{1x2=2}

- क. जननी कीदृशं पुत्रं प्रति आद्रहृदया भवेत्?
ख. का तुल्यवत्सला भवति?

3 निर्देशानुसारम् उत्तरत ।

{1/2x4=2}

- क. 'उदारहृदया' इत्यर्थे किम् पदम् अत्र प्रयुक्तम्?
ख. 'दीने' इति पदस्य विशेषणपदं अत्र किम् प्रयुक्तम्?
ग. 'जनकः' इति पदस्य विपर्ययः अत्र किम् प्रयुक्तम्?
घ. 'पुत्रेषु' इति पदस्य पर्याय पदम् अत्र किम् प्रयुक्तम्?

प्रश्न 15 रेखांकितपदानि आधृत्य उचितं प्रश्ननिर्माणं कृत्वा लिखत ।

{1x4=4}

- क. सर्वसम्मत्या यस्य कस्यापि चयनं कुर्वन्तु ।
ख. मानवाय जीवनं कामये न तु जीवन्मरणम् ।
ग. भयाकुलं व्याघ्रं दृष्ट्वा धूर्तः श्रृगालः अवदत् ।
घ. सर्वे वन्यजीवाः मम राज्याभिषेकाय तत्पराः भवन्तु ।
ङ. उभौ शवमानीय एकस्मिन् चत्वरे स्थापितवन्तौ ।

प्रश्न 16 अधोलिखितं काव्यांशं पठित्वा अन्वयं पूरयित्वा लिखत ।

{1x4=4}

पिता यच्छति पुत्राय बाल्ये विद्याधनं महत् ।
पिताऽस्य किं तपस्तेपे इत्युक्तिस्तत्कृतज्ञता ।।

अन्वयः— पिता (1) ————— बाल्ये (2) ————— विद्याधनम् यच्छति,
(3) ————— कृते पिता किम् (4) ————— तेपे इत्युक्तिस्तत्कृतज्ञता ।

मंजूषा

महत्, अस्य, पुत्राय, तपः ।

अथवा

अधोलिखितं काव्यांशं पठित्वा भावार्थं पूरयित्वा लिखत ।

दुष्कराण्यपि कर्माणि मतिवैभवशालिनः ।
नीतिं युक्तिं समालम्ब्य लीलयैव प्रकुर्वते ।।

भावार्थः— अस्य भावोऽस्ति यत् बुद्धिः (1) ————— युक्ताः जनाः उत्तम (2) ————— युक्तेः च आधारं नीत्वा
(3) ————— कार्याणि लीलया एव (4) ————— तेषु ते कदापि कठिनतामपि न अनुभवन्ति ।

मंजूषा

प्रकुर्वन्ति, धनेन, कठिनतमानि, नीतेः ।

प्रश्न 17 अधोलिखितानि वाक्यानि घटनाक्रमानुसारम् लिखत ।

{1/2x8=4}

- क. सर्वे मिलित्वा दृढसंकल्पपूर्वकं गायन्ति ।
ख. सर्वेषामेव महत्त्वं विद्यते यथासमयम् ।
ग. उलूकम् नृपतिं कृत्वा का सिद्धिर्भविष्यति ।
घ. आम् आम् कश्चित् खगः एव वनराजः भविष्यति ।
ङ. भो गज! मामप्येवमेवातुदन् एतेः वानराः ।
च. अरे! अरे! माम् विहाय कथमन्यः कोऽपि राजा भवितुमर्हति ।
छ. तूष्णीम् भव भोः । युवामपि मत्सदृशौ भक्षकौ न तु रक्षकौ ।
ज. पश्य पश्य मम पिच्छानाम् अपूर्वं सौन्दर्यम् ।

प्रश्न 18 अधोलिखितानि रेखांकितपदानि आधृत्य विकल्पेभ्यः उचितार्थं चित्वा लिखत। (केचन त्रयः) {1x3=3}

क. वायुमण्डलं भृषं दूषितम्।

{अ} अत्यामिषम् {ब} अतिन्यूनम् {स} अत्यल्पम् {द} अत्यधिकम्

ख. एतयोर्जननी तेन अवमानिता निर्वासिता च स्यात्।

{अ} पुरस्कृता {ब} तिरस्कृता {स} संस्कृता {द} सुस्कृता

ग. गावश्च गोभिः तुरगाः तुरगैः।

{अ} धेनुः {ब} गर्दभः {स} गजः {द} अश्वः

घ. एकः बलीवर्दः शरीरेण दुर्बलः जवेन गन्तुमशक्तश्चासीत्।

{अ} नीत्वा {ब} तीव्रगत्या {स} ऊढ्वा {द} गत्वा

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DELHI PUBLIC SCHOOL

SAIL TOWNSHIP, RANCHI

PRE BOARD - II (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]

- Acids turn Methyl orange _____ while bases turn it _____ in colour.
(a) Blue, red.
(b) Red, yellow
(c) Red, pink
(d) Red, blue [1]
- Which of the following can be used as an acid base indicator by a visually impaired student?
(a) Litmus
(b) Turmeric
(c) Vanilla essence
(d) Petunia leaves [1]
- $4\text{NH}_3 + 5\text{O}_2 \rightarrow 4\text{NO} + 6\text{H}_2\text{O}$ is an example of _____ reaction
i. Displacement
ii. Combination
iii. Redox
iv. Neutralization
(a) i and iv
(b) ii and iii
(c) i and iii
(d) iii and iv [1]
- Although metals form basic oxides, which of the following metal forms an amphoteric oxide?
(a) Na
(b) Ca
(c) Al
(d) Cu [1]

5. A hydrocarbon which contains two C – C single bonds and one C $\equiv$ C triple bond is:

- (a) Ethyne
- (b) Propyne
- (c) Butyne
- (d) Benzene

[1]

6. The soap has a

- (a) Hydrophilic head and a hydrophobic tail
- (b) Hydrophobic head and a hydrophilic tail
- (c) Hydrophobic head and hydrophobic tail
- (d) Hydrophilic head and Hydrophilic tail

[1]

7. Pentane, with molecular formula C₅H₁₂, has

- (a) 5 covalent bonds
- (b) 12 covalent bonds
- (c) 16 covalent bonds
- (d) 17 covalent bonds

[1]

8. A stomata closes when:

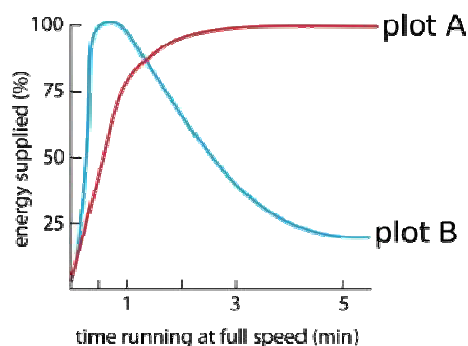
- (i) It needs carbon dioxide for photosynthesis.
- (ii) It does not need carbon dioxide for photosynthesis.
- (iii) Water flows out of the guard cells.
- (iv) Water flows into the guard cells.

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

[1]

9. Study the graph below that represents the amount of energy supplied with respect to the time while an athlete is running at full speed.

[1]



Choose the correct combination of plots and justification provided in the following table:

	Plot A	Plot B	Justification
(a)	Aerobic	Anaerobic	Amount of energy is low and inconsistent in aerobic and high in anaerobic
(b)	Aerobic	Anaerobic	Amount of energy is high and consistent in aerobic and low in anaerobic
(c)	Anaerobic	Aerobic	Amount of energy is high and consistent in aerobic and low in anaerobic
(d)	Anaerobic	Aerobic	Amount of energy is high and inconsistent in anaerobic and low in aerobic

10. Plants use completely different process for excretion as compared to animals. Which one of the following processes is NOT followed by plants for excretion? [1]
- They can get rid of excess water by transpiration.
 - They selectively filter toxic substances through their leaves.
 - Waste products are stored as resins and gums in old xylem.
 - They excrete waste substances into the soil around them.
11. Select the incorrect option regarding the movement shown by *Mimosa pudica* [1]
- The movement is non directional that occurs due to turgor changes.
 - The movement is immediate response to the stimulus.
 - The movement is in response to touch and is called thigmonastic.
 - The movement is non directional that involves growth.
12. In cattle, having horns is a recessive trait (h) to not having horns (H). When cattle with horns are crossed with cattle that do not have horns, the number of offspring having horns was equal to those not having horns. Which of the following is MOST LIKELY to be true? [1]
- Both parents are homozygous dominant.
 - One parent is homozygous dominant.
 - Both parents are heterozygous.
 - One parent is heterozygous.
13. When light is incident on a glass slab, the incident ray, refracted ray and the emergent ray are in three media A, B and C. If n_1 , n_2 and n_3 are the refractive indices of A, B and C, respectively and the emergent ray is parallel to the incident ray, which of the following is true? [1]
- $n_1 < n_2 < n_3$
 - $n_1 > n_2 > n_3$
 - $n_1 < n_2 = n_3$
 - $n_1 = n_3 < n_2$
14. Which of the following phenomena of light are involved in the formation of a rainbow? [1]
- Reflection, refraction and dispersion
 - Refraction, dispersion and total internal reflection
 - Refraction, dispersion and internal reflection
 - Dispersion, scattering and total internal reflection.
15. If all the organisms of one trophic level in a food chain die, what would be its impact on the population of organisms in other trophic levels? It will: [1]
- remain the same in the next trophic level.
 - increase in the next trophic level.
 - increase in the lower trophic level.
 - remain the same in the lower trophic level.
16. Plants receive energy from the Sun which they utilise for several processes. The energy utilized for which of the following plant processes gets transferred to the next trophic level that consumes plants? [1]
- only growth
 - only respiration
 - only transport of substances and reproduction
 - all - growth, photosynthesis, respiration and transport of substances

For question numbers 17 to 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 correct explanation of the assertion.
- (c) A is true, but R is false.
- (d) A is false, but R is true

17. **Assertion (A):** Carbon forms a large variety of organic compounds.

Reason(R): It shows the ability of allotropy.

[1]

18. **Assertion (A):** Variations always provide a survival advantage to an organism.

Reasons (R): Variations can be caused due to incorrect DNA copying.

[1]

19. **Assertion (A):** A convex mirror always forms an image behind it and the image formed is virtual.

Reason (R): According to the sign convention, the focal length of a convex mirror is positive. [1]

20. **Assertion (A):** The number of trophic levels is seldom more than five.

Reason (R): Energy content available decreases with the rise in trophic level..

[1]

SECTION B [2x6=12]

21. In the electrolytic refining of metal M, what would you take as the anode, the cathode and the electrolyte? In this electrolytic refining process, where do we get the pure metal M after passing electric current?

OR

Write the balance chemical equations for the formation of oxide of Zinc from its sulphide ore as well as from its Carbonate ore.

[2]

22. (a) The diaphragm flattens and the ribs are lifted up when we breathe in. Why? [1+1=2]

(b) State the conditions on which the direction of diffusion of gases in plant depends.

23. Attempt either option A or B

A. Amount of urine produced generally decreases in summers as compared to other seasons if we don't keep ourselves sufficiently hydrated. Justify

[2]

OR

B. Name the substances other than water that are reabsorbed during urine formation. What are the two parameters that decide the amount of water that is reabsorbed in the kidney?

24. Rishi went to a palmist to show his palm. The palmist used a special lens for this purpose.

(i) State the nature of the lens and the reason for its use.

(ii) If the focal length of this lens is 10 cm and the lens is held at a distance of 5 cm from the palm, use the lens formula to find the position and size of the image .

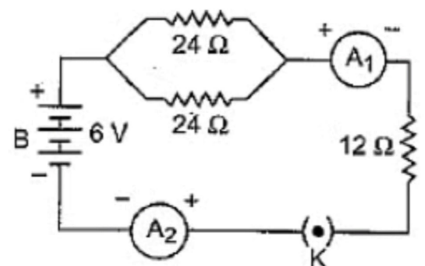
[1+1=2]

25. Study the given circuit and find out:

[1+1=2]

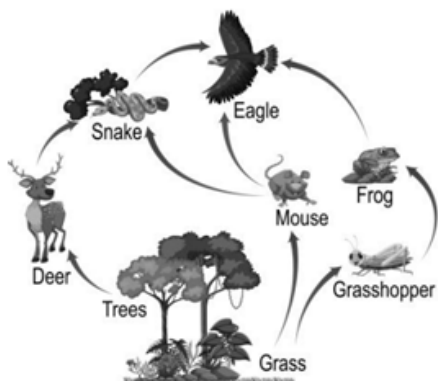
(i) Current in $12\ \Omega$ resistor,

(ii) Difference in the reading of A_1 and A_2 , if any.



26. Study the foodweb and answer the following question:

[1+1=2]



- (a) Identify and write the food chain from the food web shown, in which the eagle will receive the highest percentage of the energy from the producers.
- (b) Which organism will be the most affected when a non-biodegradable pesticide is introduced into the soil? What is the phenomenon responsible for this called?

SECTION C [3x7=21]

27. On adding a drop of barium chloride solution to an aqueous solution of sodium sulphate, white precipitate is formed.

- (a) Name the white precipitate.
- (b) What other name can be given to this precipitation reaction?
- (c) Write the balanced chemical equation of the reaction.

[3]

28. (a) Differentiate between weak and strong acids.

- (b) You have two solutions A and B. The pH of solution A is 6 and pH of solution B is 8. Which solution has more hydrogen ion concentration? Which of this is basic in nature?
- (c) What is water of crystallization?

[3]

29. Give reasons:

[1+1+1=3]

- (a) Plants generally wilt in the afternoon and regain the freshness in the next morning.
- (b) The wall of small intestine is adapted for performing the function of absorption of food.
- (c) Patients whose gallbladder are removed are recommended to eat less oily food.

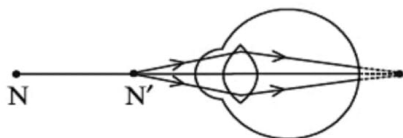
30. Neha and Ravi can roll their tongues. They produced 11 children. Out these children 3 could not roll their tongues and 8 children could roll their tongues.

[0.5+1.5+1=3]

- (a) Which trait (rolling or not rolling) is controlled by the recessive allele?
- (b) State all possible genotypes of the F1 generation of the cross.
- (c) Show the inheritance of the tongue rolling in humans in the given example using a suitable cross.

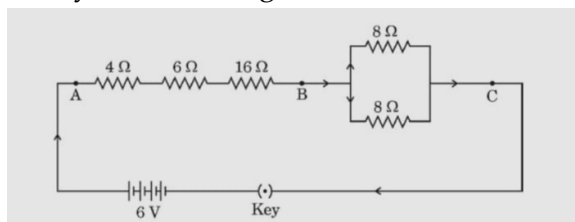
31. Study the diagram given below and answer the questions that follow:

[3]



- (i) Name the defect of vision represented in the diagram. Give reason for your answer.
- (ii) List two causes of this defect.
- (iii) With the help of a diagram show how this defect of vision is corrected.

32. Study the following circuit:



On the basis of this circuit, answer the following questions:

- Find the value of total resistance between the points A and C.
- Calculate the current drawn from the battery, when the key is closed.
- In the above circuit, the $16\ \Omega$ resistor or the parallel combination of two resistors of $8\ \Omega$, which one of the two will have more potential difference across its two ends? Justify your answer. [1+1+1=3]

- Why is an alternating current (A.C.) considered to be advantageous over direct current (D.C.) for the long distance transmission of electric power?
- How is the type of current used in household supply different from the one given by a battery of dry cells?
- What is short circuiting? How does an electric fuse prevent the electric circuit and the appliances from the possible damage due to short circuiting or overloading. [3]

SECTION D [5x3=15]

- Two Alkanes A and B have 3 and 4 carbon atoms in their molecules respectively. Name the alkanes.
- How would you bring about the following conversions?
 - ethanol to ethene
 - ethanol to ethanoic acid
- How would you name the following
 - $\text{CH}_3\text{—CH}_2\text{—Br}$
 - H—CHO

OR

- Why detergents are better cleansing agents than soaps?
- Explain the process of saponification reaction with an example.
- Name the two products when ethanol reacts with sodium.
 - Draw the electron dot structure of ethanol. [1+2+2]

35. Attempt either A or B

A.

- What will happen if: [2+2+1=5]
 - Testes of a male boy are not able to descend into scrotum during his embryonic development.
 - Spores of *Agaricus* do not have a thick wall.
- Identify TWO pairs of reproductive organs in males and females that are functionally similar to each other. Justify.
- List any two significance of pollination.

OR

B.

- What will happen if:
 - Placenta is not optimally attached to the walls of the uterus.
 - Egg is not fertilised in a human female.
- List any two importance of seed formation in angiospermic plants.

(c) Draw the diagram of an angiospermic dicot seeds and label the following :

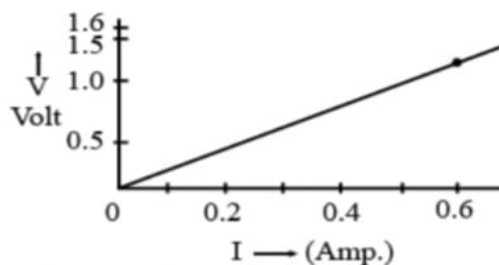
- (i) Part which develop as future root.
- (ii) Part which develop into future shoot.

36. (A) Name an instrument that measures electric current in a circuit. Define the unit of electric current.

(B) An electric circuit consisting of a 0.5 m long nichrome wire XY, an ammeter, a voltmeter four cells of 1.5 V each and a plug key was set up.

(i) Draw a diagram of this electric circuit to study the relation between the potential difference maintained between the points 'X' and 'Y' and the electric current flowing through XY.

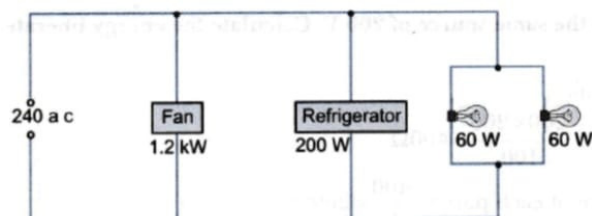
(ii) Following graph was plotted between V and I values:



What would be the values of V/I ratios when the potential difference is 0.5 V, 1.5 V and 1.6 V respectively ? What conclusion do you draw from these values? [5]

OR

36. Figure shows a 240 V mains supply circuit to which a number of appliances are connected and switched on.



(a) Calculate the power supplied to the circuit.

(b) Calculate:

- (i) the current in the refrigerator,
- (ii) the energy used by the fan in 3 hours,
- (iii) the resistance of filament of one lamp.

SECTION E (Case study type question)

37. In the reactivity series metals are arranged in the decreasing order of reactivity. Generally, when metals are treated with acids hydrogen gas is liberated but when metals are treated with nitric acid, hydrogen is not liberated.

- (a) Name the two metals which react with nitric acid to liberate hydrogen gas.
- (b) Why is Sodium kept immersed in kerosene?
- (c) Name one metal and one non metal that exist in liquid state at room temperature.
- (d) Which metals are present in solder?

OR

(d) What is an amalgam?

[1+1+1+1]

38. Multicellular organisms have specialized system of tissues and organs that provide control and coordination of functions. Even size and direction of growth are carefully controlled. In animals, control and coordination are performed by nervous and muscular tissues. Both are absent in plants. A chemical or hormonal coordination and control, occurs in both plants and animals.

Answer either (a) or (b)

- (a) Why do multicellular organisms need another means of communication between cells besides nervous coordination? (Give any two reasons) [2]

OR

- (b) Differentiate between cerebrum and cerebellum.

- (c) Name the hormone responsible for the following:

(i) Wilting of leaf.

(ii) Swollen neck in people living in the hills. [1]

- (d) How is the communication between central nervous system and other parts of the body facilitated? [1]

39. The ability of medium to refract light is expressed in terms of its optical density. Optical density has a definite connotation. It is not the same as mass density. On comparing two media, the one with the large refractive index is optically denser medium than the other. The other medium with a lower refractive index is optically rarer. Also the speed of light through a given medium is inversely proportional to its optical density. [1+1+2=4]

- (a) Refractive indices of glass, water and carbon disulphide are 1.5, 1.33 and 1.62 respectively. If a ray of light is incident in these media at the same angle (say θ), then write the increasing order of the angle of refraction in these media.

- (b) The speed of light in glass is 2×10^8 m/s and in water is 2.25×10^8 m/s, which one of the two is optically denser and why?

- (c) The absolute refractive indices of glass and water are $4/3$ and $3/2$, respectively. If the speed of light in glass is 2×10^8 m/s, calculate the speed of light in vacuum.

OR

- (c) Determine the speed of light in diamond if the refractive index of diamond with respect to vacuum is 2.42 and Speed of light in vacuum is 3×10^8 m/s.
-



DELHI PUBLIC SCHOOL

SAIL TOWNSHIP, RANCHI

PRE BOARD - II (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]

Frida Kahlo

"Nunca pinto sueños o pesadillas. Pinto mi propia realidad" - Frida Kahlo

Frida Kahlo nació el 6 de julio de 1907 en Coyoacán, al sur de la Ciudad de México. Fue la tercera de las cuatro hijas de Matilde Calderón y del fotógrafo judío-alemán Guillermo Kahlo. Sus hermanas mayores fueron Luisa (nacida en 1894), Matilde (nacida en 1899) y Adriana (nacida en 1902); después de ella nació su único hermano, Guillermo, que sobrevivió solo unos días. En 1908, nació su hermana menor, Cristina.

En 1913 sufrió un ataque de poliomielitis que afectó permanentemente el uso de su pierna derecha. Siendo una joven de 16 años, cuando realizaba estudios en la Escuela Nacional Preparatoria de esta ciudad conoció a Diego Rivera, que estaba pintando su mural La Creación en la escuela. Allí tenía un grupo de amigos que se hacían llamar "Los Cachuchas", conocidos por su rebeldía política. Su primer amor, Alejandro Gómez Arias formaba parte del grupo. Antes de convertirse en pintora, fue estudiante de medicina.

Resultó fatalmente herida en un accidente de tranvía. En su recuperación, es cuando Frida inicia su pintura. Tres años más tarde presentó a Diego Rivera algunos de sus primeros trabajos y este la animó a continuar pintando. El 21 de agosto del año 1929 contrajeron matrimonio. Ella tenía 21 años y él, 46.

De las 143 pinturas de Frida Kahlo, 55 son autorretratos. Sus cuadros exponen fundamentalmente los aspectos dolorosos de su vida, en gran parte postrada en una cama. Expresa la desintegración de su cuerpo y el terrible sufrimiento que padeció en obras como La columna rota (1944, colección Dolores Olmedo, Ciudad de México), en la que aparece con un aparato ortopédico de metal y con el cuerpo abierto mostrando una columna rota en lugar de la columna vertebral.

Organizó las exposiciones de Nueva York de 1938 y de París de 1939 a través de sus contactos con el poeta surrealista francés André Breton. En abril de 1953 expuso por primera vez en la galería de Arte Contemporáneo de Ciudad de México.

En la noche del 13 de julio de 1954 falleció en Coyoacán a los 47 años a causa de una trombosis pulmonar. Sus últimas palabras fueron: Espero alegre la salida y espero no volver jamás.

- a) ¿Qué pasó en 1913?
- b) ¿Cuándo y por qué empezó a pintar?
- c) ¿Qué especialidad tiene sus 55 pinturas?
- d) Describe su pintura - La columna rota.
- e) ¿Cómo y cuándo murió Frida Kahlo?

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

Los mejores recuerdos de mi infancia son las vacaciones. Yo Pilar, cuando tenía trece años vivía en Gijón con mis padres, Santiago y Roció, y mi hermano Roberto. Todos los veranos el hermano de mi madre, Carlos, que vivía en Alemania con mi tía Petra y mi primo Karl, venía con su familia a pasar las vacaciones a casa de mis abuelos maternos, José y Lucía. Estos abuelos vivían también en Gijón, muy cerca de nosotros. Durante la semana tomábamos el autobús para ir a la playa de Peñarrubia, pues aunque podíamos ir andando, hacía mucho calor para caminar bajo el sol.

Los fines de semana mis padres, mi hermano y yo íbamos a León, a casa de mis abuelos paternos, Félix y Marina. Íbamos en coche, disfrutando de un hermoso paisaje de montaña.

En otoño mis tíos nos invitaban a mi hermano y a mí para ir a su casa en Múnich, para disfrutar del famoso festival que se celebra en octubre. Allí nos lo pasábamos muy bien con la familia de mi tía Petra, que era alemana, y mi primo Karl se sentía muy orgulloso, pues tenía que hacer de intérprete para mi hermano y para mí.

- a) Pilar vivía en Alemania con su familia. V/F
- b) Los abuelos paternos de Pilar vivían en Gijón. V/F
- c) La familia de Pilar iba a León los fines de semana. V/F
- d) En verano Pilar y Roberto iban a Alemania. V/F
- e) Karl sabía hablar alemán y español. V/F

Sección - B

- 3. (A)** Imagina que te ha pasado algo sorprendente. Escribe una carta a tu familia explicándoles lo que te ha pasado. Menciona: qué pasó, cuándo sucedió, qué hiciste, etc. (100 – 120 palabras) [10]

Ó

- (B)** Escribe un texto breve sobre las ventajas de comer comida sana y desventajas de comer comida rápida. (100 – 120 palabras)

- 4.** Eres un estudiante y quiere hacer un curso de español, escribe un diálogo entre tú y la recepcionista de un instituto para matricularte en el instituto. [5]

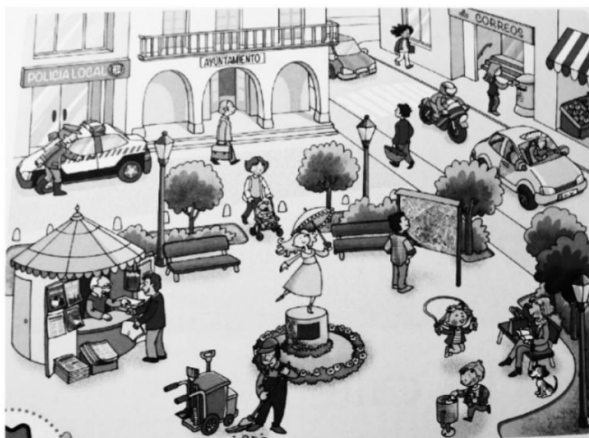
Sección - C

5. Completa con la forma correcta del verbo. Use the verbs in the correct form: [5]

tener - ser - trabajar - estar - vivir

Lucía profesora de matemáticas, en la Universidad Complutense de Madrid. Está casada y..... niña de dos años. en Barcelona y su casa cerca de las ramblas.

6. Observa la foto y responde verdadero o falso: [5]



- a) En la plaza hay un quiosco donde venden revistas. V/F
- b) Hay una señora paseando con un carrito de bebé. V/F
- c) En la plaza hay un niño tirando basura al suelo. V/F
- d) La policía está dentro del coche. V/F
- e) Un hombre está limpiando el suelo. V/F

7. Relaciona los elementos de las dos columnas para completar las frases. [5]

Column I

- a) Me encantan
- b) ¿Cómo están
- c) Ese bolso marrón
- d) ¿Es vuestra
- e) He olvidado

Column II

- 1. la maleta roja?
- 2. mi pasaporte en casa.
- 3. tus padres Jorge?
- 4. tus pantalones, Carmen.
- 5. es mío.

8. Escribe las frases usando objeto directo e indirecto [5]

- a) El agente de viajes recomendó a ustedes este hotel.
- b) Ana enseña las fotografías del concierto.
- c) No estamos cocinando la cena esta noche para mis padres.
- d) Mi vecino siempre trae flores a Marta.
- e) Yo pregunto la lección a ti.

9. Completa la siguiente narración con la forma correcta de verbos en pasado:

[5]

Pablo(estudiar) cuando Soledad (entrar) en el cuarto.
 Le (preguntar) a Pablo si (querer) ir al cine. Pablo le
 (decir) que sí porque se (sentir) un poco aburrido
 con los estudios. Los dos (salir) rápido para el cine.
 (ver) una película cómica. Luego, como (hacer) frío,
 (entrar) a un bar a tomar un chocolate.

10. Usa la forma correcta del verbo en Indicativo o Subjuntivo:

[5]

- Queremos que el equipo de cricket de la India (jugar) bien.
- ¡Qué lástima que tú no (poder) venir a la excursión!
- Siempre tomo un café cuando (comer) en un restaurante.
- El profesor recomendó que yo (hacer) más ejercicios de gramática para mejorar el español.
- Quizás yo (ir) mañana a la conferencia pero todavía no lo he decidido.

11. Ordena las palabras para formar oraciones. Elige la opción correcta.

[5]

cayeron	Ana y Andrés	muy bien	me
A	B	C	D

- A. (i) DCAB (ii) CBDA (iii) BDAC (iv) ADCB

Matilde	Gustó	no me	cómo habló
A	B	C	D

- B. (i) DACB (ii) CDAB (iii) CBDA (iv) ACBD

tenían	llamada“jeroglífica”	una escritura	los antiguos egipcios
A	B	C	D

- C. (i) CBDA (ii) BADC (iii) CDAB (iv) DACB

a finales del siglo XX	del mundo	más poblado	China era el país
A	B	C	D

- D. (i) DACB (ii) ADCB (iii) CBAD (iv) BDAC

a casa	vino Laura	para tomar café	el otro día
A	B	C	D

E. (i) BADC (ii) BDCA (iii) DBAC (iv) ACBD

Sección - D

12. **Contesta las preguntas en 40-45 palabras sobre los autores.** [10]

- a) Escribe sobre Juan Rulfo y dos obras famosas.
- b) Escribe sobre Pablo Neruda y sus dos obras.
- c) Escribe sobre García Lorca y sus dos obras.
- d) Escribe sobre Benito Pérez Galdos y sus dos obras.
- e) Escribe sobre José María Arguedas y sus dos obras famosas.

13. **Responde a las preguntas siguientes:** [5]

- a) ¿Por qué se celebra el 23 de abril como "Día del libro"?
 - i) Murieron William Shakespeare, Miguel de Cervantes e Inca Garcilaso de la Vega.
 - ii) Murieron William Wordsworth y Josep Pla
 - iii) Nacieron Manuel Mejía Vallejo, Maurice Druon o Halldór Laxness.
 - b) ¿Dónde está colocada la Plaza Mayor?
 - i) Pontevedra ii) Barcelona iii) Madrid iv) Sevilla
 - c) ¿Dónde nació Pablo Picasso?
 - i) Malaga ii) Pontevedra iii) San Sebastian
 - d) ¿Dónde está la Casa natal de Cervantes?
 - i) Madrid ii) Alcalá de Henares iii) Segovia
 - e) ¿Dónde nació Gabriela Mistral?
 - i) España ii) Argentina iii) Mexico iv) Chile
-