



Delhi Public School, Howrah

PERIODIC ASSESSMENT III (2024-2025)

Class-IX

Care must be taken not to write anything on the question paper. All the questions must be attempted in the correct sequence.

SUBJECT: ENGLISH LANGUAGE AND LITERATURE (CODE - 184)

Time: - 3 Hours

Maximum Marks - 80

General instructions:

- 15-minute prior reading time allotted for reading the question paper.
- The Question Paper contains THREE sections-Section A - (READING), Section B- (GRAMMAR and WRITING) and Section C (LITERATURE).
- Attempt questions based on specific instructions for each part. Write the correct question number in your answer sheet to indicate the option/s being attempted.
- Separate instructions are given with each section and question, wherever necessary. Read these instructions and follow them.

Section A: READING SKILLS		20 Marks
I	Read the passage given below.	10
1	<p>'Why does humanity need Superman?', writes Lois Lane. Well a very relevant question, isn't it? Why do we need superheroes? Every time we watch a superhero movie we are enchanted by its action and the superheroes' capability of saving the humanity. We all like superheroes for a reason. Yes, a reason! Forget about super-strength, laser vision, or — our personal favourite — the ability to consume any type of matter in the universe; the best superhero power might just be the way they inspire and motivate us. From the youngest boy or girl wonders to the oldest Captains, each superhero has their own lesson to bestow on the next generation.</p>	
2	<p>Whether it's Batman saving Gotham city, or Superman saving humanity, or right back to our motherland Krishh (yes you got it right, the Indian superhero) saving its fellow countrymen, we need them because they give us hope to fight the bad and the worst happening in today's time. "Sometimes the truth isn't good enough. Sometimes people deserve more. Sometimes people deserve to have their faith rewarded," says Batman. Yes, it is right we need faith in today's time when we know nothing is going right nor the politics nor the terrorism, people need hope and strength from superheroes. And that's why we need superheroes, they give us a sense of right to fight the injustice that is happening around us. "There is a superhero in all of us, we just need the courage to put on the cape," said Superman.</p>	
3	<p>"You either die a hero or live long enough to see yourself become the villain", Batman, The Dark Knight. So every time when we choose to see a superhero movie it gives us the idea to fight the unjust with our own ideas or capabilities. Every child or even adult watches superhero movies which motivates them to rise above the injustice that is happening in real world. It's not just about power, you and I can also be a superhero by just helping our neighbourhood, by standing against the wrong that is happening against them. Whether it be political or apolitical that is happening around us, can be fought with a thought of righteous and courage. "There is a superhero in all of us, we just need the courage to put on the cape," says Superman.</p>	
4	<p>From the day we are born, we are told that power corrupts and absolute power corrupts absolutely. But superheroes give our subconscious desire for greatness. They also teach us that the greatest power is incorruptibility. None of us will ever leap a tall building in a single bound, change the course of a mighty river or bend steel in our bare hands. But we can always return that lost wallet with the contents intact, tell the truth when it matters, stand our ground when it's easier to walk away or do unto others as we want them to do unto us.</p>	

Based on your understanding of the passage, answer the questions given below.		10
	Despite our age and status in life, few enigmatic qualities endear us to superheroes. Select from the options below those qualities that endear us: 1. Give over subconscious a desire for greatness 2. Have a listen to be strong. 3. Inspire and motivate us. 4. Give us hope to fight the bad. a) 1 and 3 b) 2 and 4 c) 3 and 4 d) 1, 2, 3 and 4	1
ii	Identify the sentence where the word "bestow" has been used incorrectly. a) He was ever ready to take blame on himself and bestow praise on others. b) During the ceremony, the Prime Minister will bestow medals of honour to the brave soldiers who rescue their comrades. c) The king will bestow a title and land to the man who saved the princess. d) If you want to avoid a misunderstanding, I bestow you to consider your word before speaking.	1
iii	A superpower common to all superheroes that endears them to us is: a) The ability to strategies. b) The ability to remain calm in the face of danger c) The capability to motivate and inspire human. d) The capability to lend a helping hand to human.	1
iv	Select the option that makes the correct use of 'righteousness', as used in the passage, to fill in the blank space. a) Both side in the dispute adopted a tone of _____. b) The newspaper reports are a _____ of gossip. c) She was confused about obligation and _____. d) Cultural context brings _____ international relations.	1
v	The author attempts to _____ the readers to fight the unjust. a) motivate b) nudge c) rebuke d) put	1
vi	What are the two meanings of "encounter" as used in the passage? 1. to experience something unpleasant 2. to experience something unexpected 3. to affect something 4. to cover with a thin layer. a) 1 and 2 b) 2 and 4 c) 3 and 4 d) 2 and 3	1
vii	There is a superhero in all of us, we just need the courage to put on the cap". By this, Superman is implying that: a) Cap is heavy and not everyone can bear it. b) We all have special powers. c) The ability to fight the unjust with our own ideas or capability is present in all of us. d) Society needs superheroes.	1
viii	Choose the option that suits best as the title for the passage. a) Human are superheroes. b) Humanity needs superheroes. c) Hope and strength. d) Human should help each other.	1

ix	What are the two things that we need to fight injustice today? a) Super power and superhero. b) Truth and faith. c) Hope and strength. d) Hope and confidence.	1
x	What is the central idea of the passage? a) Fight the injustice. b) Super heroes are necessary. c) Help your neighbours. d) Save humanity.	1
II	Read the passage given below.	10

1 The UN's 2017 International Year tells that sustainable tourism is an important tool for development, most importantly in poor communities and countries. Today sustainability — environmental, social, and economic — is increasingly recognised as the benchmark for all tourism business. As noted by the UN World Tourism Organisation, 57% of international tourist arrivals will be in emerging economies, by 2030. The various 'Tourism Terms' are defined as follows:

CATEGORY	DEFINITION
Ecotourism	Responsible travel to natural areas that conserves the environment, socially and economically sustains the well-being of local people, and creates knowledge and understanding through interpretation and education of all involved (including staff, travellers, and community residents).
Ethical Tourism	Tourism in a destination where ethical issues are the key driver, e.g. social injustice, human rights, animal welfare, or the environment.
Geo-tourism	Tourism that sustains or enhances the geographical character of a place — its environment, heritage, aesthetics, culture, and well-being of its residents.
Pro-Poor Tourism	Tourism that results in increased net benefit for the poor people in a destination.
Responsible Tourism	Tourism that maximises the benefits to local communities, minimises negative social or environmental impacts, and helps local people conserve fragile cultures and habitats or species.
Sustainable Tourism	Tourism that leads to the management of all resources in such a way that economic, social, and aesthetic needs can be fulfilled while maintaining cultural integrity, essential ecological processes, biological diversity, and life-support systems.

2 Based on data collected by a survey by Travel Bureau, the following market profile of an ecotourist was constructed:

Age: 35 – 54 years old, although age varied with activity and other factors such as cost.
Gender: 50% female and 50% male, although clear differences based on activity were found.
Education: 82% were college graduates, a shift in interest in ecotourism from those who have high levels of education to those with less education was also found, indicating an expansion into mainstream markets.
Household composition: No major differences were found between general tourists and experienced ecotourists.
Party composition: A majority (60%) of experienced ecotourism respondents stated they prefer to travel as a couple, with only 15% stating they preferred to travel with their families, and 13% preferring to travel alone.
(experienced ecotourists = Tourists that had been on at least one "ecotourism" oriented trip.)
Trip duration: The largest group of experienced ecotourists— (50%) preferred trips lasting 8-14 days.
Expenditure: Experienced ecotourists were willing to spend more than general tourists, the largest group (26%).
Important elements of trip: Experienced ecotourists top three responses were: (a) wilderness setting, (b) wildlife viewing, (c) hiking/trekking.
Motivations for taking next trip: Experienced ecotourists top two responses were (a) enjoy scenery/ nature, (b) new experiences/places.

	Based on your understanding of the passage, answer the questions given below.	10
i	In the line "..... recognised as the benchmark", the word "benchmark" does not refer to: (a) a basis for something. (b) the criterion required. (c) the ability to launch something new. (d) a standard point of reference.	1
ii	The World Tourism Organisation of the UN, in an observation, shared that: (a) emerging economies of the world will gain 57% of their annual profits from international tourists. (b) countries with upcoming economies shall see maximum tourist footfall from all over the world in the next decade. (c) many international tourists in 2030 will be from developing countries. (d) barely any tourist in the next decade shall travel from an economically strong nation to a weak one.	1
iii	Choose the option that lists the correct answers for the following: 1. Asha Mathew, an NRI, loves animals and wishes to travel to places that safeguard their rights and inculcate awareness of their rights. 2. Gurdeep Singh from UK is an environmental scientist and has always chosen to travel to places that are examples of a symbiotic relationship between man and nature. What kind of tourists are both? (a) (1) is an ecotourist and (2) is a geotourist. (b) (1) is an ethical tourist and (2) is a geotourist. (c) (1) is a sustainable tourist and (2) is a pro-poor tourist. (d) (1) is a geotourist and (2) is a responsible tourist.	1
iv	Based on your understanding of the passage, choose the option that lists the inherent qualities of geotourism. 1. showcases adventure sports 2. promotes landscape appreciations 3. promises luxurious travel 4. includes being environmentally responsible 5. believes in commercialising forests 6. initiates donations for the underprivileged (a) 1 and 2 (b) 5 and 6 (c) 2 and 4 (d) 3 and 5	1
v	In the market profile of an ecotourist, the information on gender indicates that: (a) female ecotourists were more than the male ecotourists. (b) the activity preferences were varied in females and males. (c) the choice of things to do on a trip were quite similar for both the genders. (d) male ecotourists were frequent travellers.	1
vi	According to the survey, one of the most powerful driving forces leading experienced ecotourism to invest in new trips was: (a) setting up work stations in new places. (b) the chance to go camping in the wild. (c) competing with other ecotourists as frequent travellers. (d) the opportunity to travel to new places.	1
vii	Choose the option that lists statement that is NOT TRUE. (a) Economically backward countries will benefit from sustainable tourism. (b) The tourism business currently recognises sustainability as an important factor. (c) Emerging economies will receive negligible international tourists in the near future. (d) The sustainability factor in tourism is a significant means for development.	1
viii	The survey clearly showed that the age range of ecotourists: (a) remained the same for the choice of tourist attractions to visit. (b) changed with the monetary requirements for the trip. (c) fluctuated due to male-female ratio. (d) was constant across various features of the trip.	1


ix	The education aspect in the market profile of the ecotourist revealed that ecotourism was no more limited to the small group of highly educated travellers. (a) True (b) False	1
x	According to the survey conducted by the Travel Bureau, the total percentage of experienced ecotourist who did not prefer to travel was _____.	1
SECTION B – GRAMMAR		
Attempt ANY TEN of the following questions.		10
i	Choose the correct option given below to fill in the blank: I have _____ money in my pocket. We can have ice cream at the Nirulas. a. little b. a little c. the little d. a few	1
ii	Select the correct alternative to fill in the blank with the verb that agrees with the subject: Lots of food _____ distributed among the poor. a. was b. were c. are d. have been	1
iii	Identify the clause in the following sentence and state its type: Malice ruins a noble heart as acid ruins a fabric.	1
iv	Rewrite the following sentence using a modal that suggests compulsion. I'm sure the last bus has left by now.	1
v	Mention the past participle form of the following verbs: i. cast ii. cling	1
vi	Choose the correct sentence: a. When had you buy this car? b. When did you buy this car?	1
vii	Fill in the blank with the correct form of the verb given in bracket: May I keep this encyclopaedia till Saturday? By then I _____ (complete) my project.	1
viii	Fill in the blank with an appropriate modal verb: We _____ have seen the match if there had been electricity supply.	1
ix	Pick out the clause and mention the type: The tiger which had been hurt in a shoot-out turned a man-eater.	1

x	<p>Kanak and Raghav had a conversation. Report Kanak's question.</p> <p>Can I borrow your Hindi book for a couple of days?</p>	1															
xi	<p>Select the option that identifies the error and supplies the correction for the following sentence: Only a desire could push you forward to act and accomplish your goal.</p> <table border="1" data-bbox="188 272 987 413"> <thead> <tr> <th>Option No.</th> <th>Error</th> <th>Correction</th> </tr> </thead> <tbody> <tr> <td>a</td> <td>a</td> <td>an</td> </tr> <tr> <td>b</td> <td>could</td> <td>can</td> </tr> <tr> <td>c</td> <td>act</td> <td>acting</td> </tr> <tr> <td>d</td> <td>your</td> <td>our</td> </tr> </tbody> </table>	Option No.	Error	Correction	a	a	an	b	could	can	c	act	acting	d	your	our	1
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xii	<p>Identify the error in the given sentence and supply the correction: Madhubani painting is one in the many traditional Indian art forms. Use the given format for your response:</p> <table border="1" data-bbox="417 545 699 619"> <thead> <tr> <th>Error</th> <th>Correction</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	Error	Correction			1
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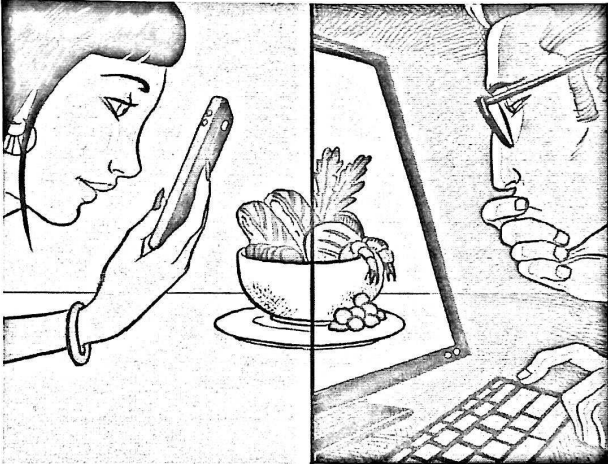
IV	SECTION B – CREATIVE WRITING SKILLS	10
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All the names and addresses used in the questions are fictitious. Resemblance, if any, is purely coincidental.

1.	Attempt ANY ONE from A and B given below.	5
A.	<p>“Apart from values and ethics which I have tried to live by, the legacy I would like to leave behind is a very simple one – that I have always stood up for what I consider to be the right thing, and I have tried to be as fair and equitable as I could be.”</p> <p>Write a descriptive paragraph within 100-120 words on RATAN TATA: A void that cannot be filled.</p> <div style="text-align: right;">  </div>	

OR

B.	<p>Write a diary entry of not more than 120 words on India's historic win at the Chess Olympiad in Budapest.</p> <div style="text-align: center;">  </div>	
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2.	Attempt ANY ONE from A and B given below.	5
A.	Write an original story in about 120 words which illustrates the truth of the statement - <i>Absence makes the heart grow fonder.</i>	
OR		
B.	Study the picture given below. Write a story within 120 words of what it suggests to you. Your composition may be about the subject of the picture or you may take suggestions from it; however, there must be clear connection between the picture and your story.	
		

SECTION C- LITERATURE		40
V	Reference to the Context	10
1	Attempt <u>ANY ONE</u> of two extracts given.	5
1.A	<i>Then there was no looking back for this determined young girl.</i>	
i.	Who is referred to here as the 'determined young girl'?	1
ii.	Give any two evidences from the story that prove 'her' 'determination'.	1
iii.	If 'her' _____, _____ and _____ impressed her seniors, her _____ for others and _____ with them found her a special place in the hearts of fellow climbers.	2
iv.	How did a hostel room play an important role in 'her' life?	1
OR		
1.B	<i>Next he saw the pseudo-teacher seat himself on a log and become lost in thought with his red cheeks resting on his fists. The woman flung down an axe at his feet.....</i>	
i.	What does the term 'pseudo-teacher' mean? Who is referred to here as 'pseudo-teacher'?	1
ii.	Why was the 'pseudo-teacher' lost in thought?	1
iii.	Who was 'the woman'? How did she bring about a change in the life of a 'pseudo-teacher'?	2
iv.	Who felt sorry for the 'pseudo-teacher' and why?	1

2	Attempt ANY ONE of two extracts given.	5
2.A	<p style="text-align: center;"><i>So hack and chop But this alone wont do it. Not so much pain will do it. The bleeding bark will heal And from close to the ground Will rise curled green twigs, Miniature boughs Which if unchecked will expand again To former size.</i></p>	
i.	What is meant by the phrase 'miniature boughs'?	1
ii.	What does the poet want to convey through the above stanza?	1
iii.	Identify the phrase from the above stanza which is an example of two figures of speech. Also mention the figures of speech.	1
iv.	'But this alone wont do it' – Then what needs to be done to 'do it'?	2
2.B	<p style="text-align: center;"><i>Where they harness the swift reindeer To the sledges, when it snows; And the children look like bear's cubs In their funny, furry clothes: They tell them a curious story – I don't believe 'tis true; And yet you may learn a lesson If I tell the tale to you.</i></p>	
i.	Which story is referred to here as 'a curious story'?	1
ii.	What is the 'lesson' learnt from the story?	1
iii.	Why can't the story be believed?	1
iv.	Give an example of homophone used in the poem.	1
v.	Which figures of speech are used in lines 2 and 3?	1
VI	Answer ANY FOUR of the following in about 40-50 words each.	4x3=12
i.	'A mystery which I propose to explain.' – What is the mystery the speaker proposes to explain?	3
ii.	'Kathmandu is vivid, mercenary and religious.....'. Explain.	3
iii.	'Sacrifice is the key to the rapid ascent in a fiercely competitive world'. How far is it true in case of Maria Sharapova?	3
iv.	Describe the theme of self-reliance in the poem THE LAKE ISLE OF INNISFREE.	3
v.	How does Kezia begin to see her father as a human being who needs sympathy?	3
VII	Answer ANY TWO of the following in about 40-50 words each.	2X3=6
i.	"As he is no longer beautiful he is no longer useful" – Which theme is depicted through this line?	3
ii.	"Was I destined to be an outcast and a geek all my life?" – Why did the narrator feel so?	3
iii.	'The city was in confusion'. – What was the reason behind the confusion?	3

VIII	Answer ANY ONE of the following in about 100-120 words.	1x6=6
i.	The story THE SNAKE AND THE MIRROR brings forth the fact that the true nature of a human being comes forth only at the time of crisis. Elaborate.	6
	OR	
ii.	Our memories are triggered not by materialistic things but by natural elements. Comment with reference to the poem RAIN ON THE ROOF.	6
IX	Answer ANY ONE of the following in about 100-120 words.	1x6=6
i.	THE LAST LEAF proves that mind rules over the body. To what extent do you agree to this? Justify the statement with reference to the text.	6
	OR	
ii.	The lives of Abdul Kalam and Albert Einstein reflect universal brotherhood and communal harmony. Discuss.	6



Delhi Public School, Howrah

PERIODIC ASSESSMENT – III (2024 - 2025)

Class - IX

Care must be taken not to write anything on the question paper. All the questions must be attempted in the correct sequence.

Subject: Mathematics (Code No-041)

Time: 3 Hours

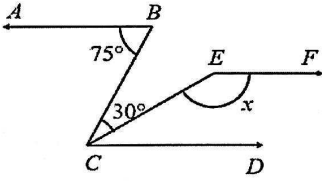
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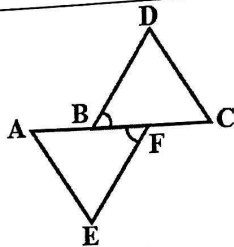
General Instructions:

1. This Question Paper has 5 Sections A, B, C, D and E.
2. Section A has 20 MCQs carrying 1 mark each.
3. Section B has 5 questions carrying 02 marks each.
4. Section C has 6 questions carrying 03 marks each.
5. Section D has 4 questions carrying 05 marks each.
6. Section E has 3 case based integrated units of assessment (04 marks each) with sub-parts of the values of 1, 1 and 2 marks each respectively.
7. All Questions are compulsory. However, an internal choice in 2 Qs of 5 marks, 2 Qs of 3 marks and 2 Qs of 2 marks has been provided. An internal choice has been provided in the 2 marks questions of Section E.
8. Draw neat figures wherever required. Take $\pi = 22/7$ wherever required if not stated.

SECTION A

Section A consists of 20 questions of 1 mark each.

1.	What is the decimal representation of an irrational number? a) always terminating b) always non-terminating c) neither terminating nor repeating d) repeating	
2.	If $\sqrt{2} = 1.4142$, then the value of $\frac{\sqrt{2}-1}{\sqrt{2}+1}$ is a) 2.4142 b) 0.4142 c) 5.8282 d) 0.1718	1
3.	If $(x-2)$ is a factor of $x^3 - 2x^2 + p$, then the value of p is a) -1 b) 1 c) -2 d) 0	1
4.	If the coordinates of two points are $P(-2,3)$ and $Q(-3,5)$, then (abscissa of P)-(abscissa of Q) is: a) -5 b) 1 c) -1 d) -2	1
5.	If $x=-2$ and $y=3$ is a solution of the equation $5mx-2y=10$, then the value of m is a) $\frac{5}{8}$ b) $\frac{8}{5}$ c) $-\frac{8}{5}$ d) $-\frac{5}{8}$	1
6.	The image of the point $(-3,4)$ with respect to X-axis is: a) $(-3,-4)$ b) $(3,4)$ c) $(-3,0)$ d) $(3,-4)$	1
7.	In the adjoining figure, $AB \parallel CD$. The value of x which will make $EF \parallel CD$ is 	1
8.	If the supplement of an angle is 4 times of its complement, find the angle. a) 60° b) 50° c) 80° d) 100°	1
9.	It is given that $\triangle ABC \cong \triangle FDE$, $AB = 5 \text{ cm}$, $\angle B = 40^\circ$ and $\angle A = 80^\circ$. Then which of the following is true? a) $DF = 5 \text{ cm}$, $\angle F = 60^\circ$ b) $DF = 5 \text{ cm}$, $\angle E = 60^\circ$ c) $DE = 5 \text{ cm}$, $\angle E = 60^\circ$ d) $DE = 5 \text{ cm}$, $\angle D = 40^\circ$	1
10.	In the adjoining figure, $AB=FC$, $EF=BD$ and $\angle AFE = \angle CBD$. Then the rule by which $\triangle AFE \cong \triangle CBD$ is	1



a) SAS

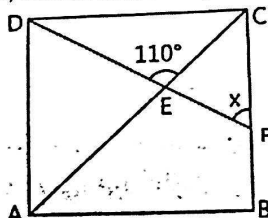
b) ASA

c) SSS

d) AAS

11.

In the given figure, if ABCD is a square, then the value of x is given by



a) 70°

b) 60°

c) 65°

d) 80°

1

12.

If one angle of a parallelogram is 24 less than twice the smallest angle, then the largest angle of the parallelogram is

a) 68°

b) 102°

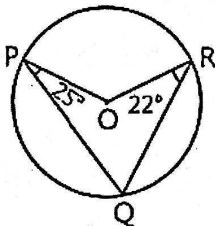
c) 112°

d) 136°

1

13.

In the given figure, O is the centre of the circle, $\angle OPQ = 25^\circ$ and $\angle ORQ = 22^\circ$. The values of $\angle PQR$ and $\angle POR$ are respectively:



a) $46^\circ, 92^\circ$

b) $47^\circ, 94^\circ$

c) $45^\circ, 90^\circ$

d) $48^\circ, 96^\circ$

1

14.

A quadrilateral PQRS is inscribed in a circle such that PQ is a diameter and $\angle PSR = 110^\circ$. Then $\angle QPR$ is equal to

a) 25°

b) 30°

c) 20°

d) 28°

1

15.

If the perimeter of an equilateral triangle is 60 cm, then what is its area?

a) $200\sqrt{2} \text{ cm}^2$

b) $100\sqrt{2} \text{ cm}^2$

c) $100\sqrt{3} \text{ cm}^2$

d) $200\sqrt{3} \text{ cm}^2$

1

16.

The total surface area of a cone whose radius is $\frac{r}{2}$ and slant height $2l$ is:

a) $2\pi r(l+r)$

b) $\pi r(l + \frac{r}{4})$

c) $\pi r(l+r)$

d) $2\pi rl$

1

17.

The radius of a hemispherical balloon increases from 6 cm to 12 cm as air is being pumped into it. The ratio of the surface areas of the balloon in the two cases is

a) 1:4

b) 1:3

c) 2:3

d) 2:1

1

18.

In a frequency distribution, the mid value of a class is 12 and the width of the class is 8, then the upper limit of the class is:

a) 14

b) 15

c) 16

d) 17

1

19.

In the questions 19 and 20, a statement of Assertion is followed by a statement of Reason. Mark the correct choice as:

(a) Both Assertion and Reason are true and Reason is the correct explanation of Assertion.

(b) Both Assertion and Reason are true but Reason is not the correct explanation of Assertion.

(c) Assertion is true but Reason is false.

(d) Assertion is false but Reason is true.

1

Assertion(A): The remainder when $p(x) = x^3 - 2x^2 + 3x$ is divided by $(2x-1)$ is $\frac{9}{8}$.

Reason(R): If a polynomial $p(x)$ is divided by $ax-b$, the remainder is the value of $p(x)$ at $x = \frac{b}{a}$.

20. **Assertion(A):** The sum of two irrational numbers $3 - \sqrt{5}$ and $5 + \sqrt{5}$ is rational number.
Reason(R): The sum of two irrational numbers is always an irrational number. 1

SECTION B

Section B consists of 5 questions of 2 marks each.

- 21(a). Using suitable identity, find the value of $\frac{0.75 \times 0.75 \times 0.75 + 0.25 \times 0.25 \times 0.25}{0.75 \times 0.75 - 0.75 \times 0.25 + 0.25 \times 0.25}$ 2

OR

- 21(b). If $x = 1 - \sqrt{2}$, find the value of $(x - \frac{1}{x})^3$. 2

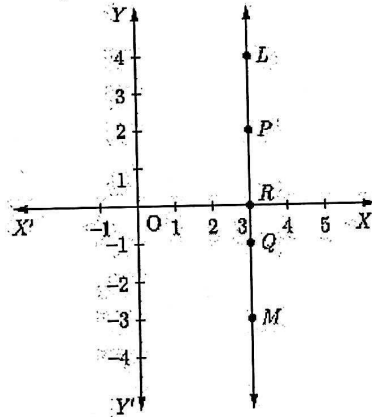
22. Arvind and Vinod have some erasers. Arvind said to Vinod, if you will give me 10 erasers, I will have twice the erasers left with you. Represent this situation as a linear equation in two variables x and y . Find a solution of this equation. 2

- 23(a). Express $0.35\overline{7}$ in the form $\frac{p}{q}$, where p and q are integers and $q \neq 0$. 2

OR

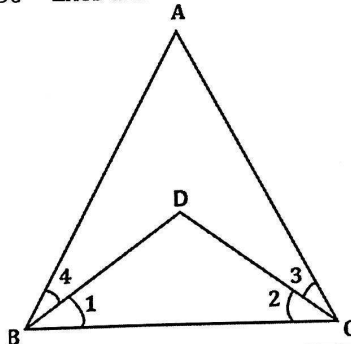
- 23(b). Find the value of x , if $(\frac{6}{5})^x (\frac{5}{6})^{2x} = \frac{125}{216}$ 2

24. In the figure, LM is a line parallel to the y -axis at a distance of 3 units. 2



- (i) What are the coordinates of P and R?
 (ii) What is the difference between the abscissa of the points L and M?

25. In the given figure, we have $\angle ABC = \angle ACB$ and $\angle 3 = \angle 4$. Show that $BD = DC$. 2

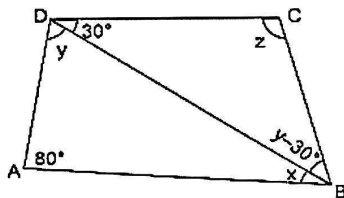


SECTION C

Section C consists of 6 questions of 3 marks each.

In the given figure, $AB \parallel CD$, $\angle BDC = 30^\circ$ and $\angle BAD = 80^\circ$. Find x, y , and z .

26(a).

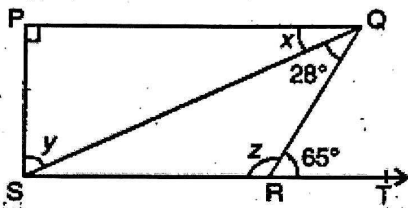


3

OR

In the given figure, $PQ \perp PS$, $PQ \parallel SR$, $\angle SQR = 28^\circ$ and $\angle QRT = 65^\circ$. Find the values of x, y and z .

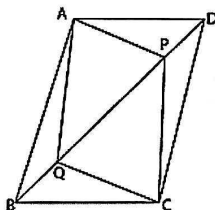
26(b).



3

In parallelogram ABCD, two points P and Q are taken on the diagonal BD such that $DP = BQ$.

27.



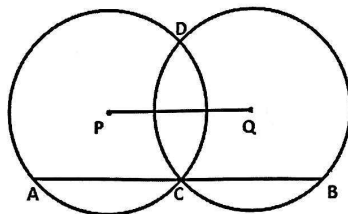
3

Prove that:

- a) $\triangle APD \cong \triangle CQB$
- b) $\triangle AQB \cong \triangle CPD$

Two circles with centres P and Q intersect at C and D. If the line through C parallel to PQ intersects the two circles, at A and B, then prove that $PQ = \frac{1}{2}AB$.

28.



3

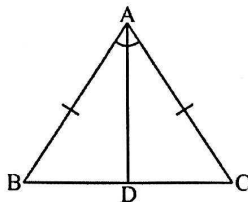
29.

Rahul wants to create a triangular garden in his backyard. The sides of the triangular plot are 13 meters, 14 meters, and 15 meters long. He wants to know the area of the garden to decide how much grass seed to buy. Calculate the area of the triangular garden.

3

In the adjoining figure, $AB=AC$ and AD is bisector of $\angle A$.

30(a).



Prove that :

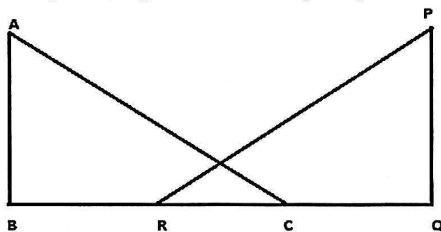
- (i) D is the mid-point of BC
- (ii) $AD \perp BC$.

3

OR

In the adjoining figure, $AB = PQ$, $BR = CQ$, $AB \perp BC$ and $PQ \perp RQ$. Prove that $AC=PR$.

30(b).



3

31. Factorise: $x^3 + 6x^2 + 11x + 6$.

3

SECTION D

Section D consists of 4 questions of 5 marks each.

32. The polynomials ax^3-3x^2+4 and $2x^3-5x+a$ when divided by $(x-2)$ leave the remainder p and q respectively. If $p-2q=4$, then find the value of a .

5

33(a). If $x = \frac{\sqrt{3}-\sqrt{2}}{\sqrt{3}+\sqrt{2}}$ and $xy = 1$, then find the value of $3x^2 - 5xy + 3y^2$.

5

OR

33(b). Simplify: $\frac{3\sqrt{7}}{\sqrt{2}+\sqrt{5}} - \frac{5\sqrt{5}}{\sqrt{2}+\sqrt{7}} + \frac{2\sqrt{2}}{\sqrt{5}+\sqrt{7}}$

5

34(a). A right triangle with sides 6 cm, 8 cm and 10 cm is revolved about the side 8 cm. Find the volume and the curved surface area of the solid so formed.

5

OR

34(b). A dome of a building is in the form of a hemisphere. From inside, it was white-washed at the cost of ₹ 498.96. If the cost of white-washing is ₹ 2 per square metre, find the:

5

- a) inside surface area of the dome
- b) volume of the air inside the dome

35.

The table below shows the daily earnings (in ₹) of a group of street vendors over a week:

Daily Earnings (in ₹)	Number of vendors
0-50	4
50-100	6
100-150	10
150-200	8
200-250	7

5

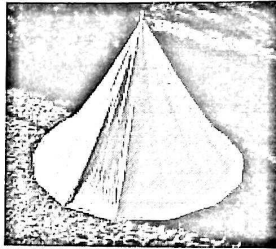
Construct a histogram and frequency polygon representing the above data.

SECTION E

Section E consists of 3 questions of 4 marks each.

Case Study 1:

Two friends Rohit and Rahul decided to visit Shimla. Due to peak days in Shimla, they did not get any room to stay. So, they decided to set up a tent in a park. They made a tent using canvas in the shape of a cone, whose diameter is 14 m and height is 22 m.



36.

Based on the above information, answer the following questions:

- | | |
|---|---|
| i. Find the slant height of the tent. | 1 |
| ii. Find the base area covered by the conical tent. | 1 |
| iii. a) Find the total amount required to purchase canvas if cost of canvas is ₹ 105 per m ² . | 2 |

OR

- | | |
|--|---|
| b) If the cost of painting the tent is ₹ 10 per m ² , find the total amount required to paint the tent. | 2 |
|--|---|

Case Study 2:

On his birthday, Rahul planned that this time he will celebrate his birthday in a small orphanage centre. He bought apples to give children and adults working there. Rahul donated 2 apples to each child and 3 apples to each adult working there along with birthday cake. He distributed total 60 apples.



37.

Based on the above information, answer the following questions:

- | | |
|---|---|
| i. Represent the above situation as a linear equation in two variables x and y. | 1 |
| ii. If the number of children is 15, then find the number of adults. | 1 |
| iii. a) Find any four solutions of the linear equation formed in question number (i). | 2 |

OR

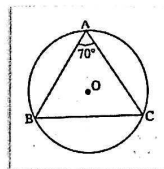
- | | |
|---|---|
| b) If the ratio of children and adults is 3:2, find the number of children and adults present in the orphanage. | 2 |
|---|---|

Case Study 3:

Narendra Modi Stadium also known as Motera Stadium is situated in Ahmedabad, Gujarat. Currently it is the largest stadium in the world with a capacity of 1, 32, 000 viewers. The shape of the field is a circle as shown in the following figure. There are two ends in the field known as bowler end and striker end.



38.



Based on the above information, answer the following questions:

i. Find the angle subtended by the chord BC at the centre O.

1

ii. Find the value of $\angle OBC + \angle OCB$.

1

iii. a) If $OB = 5$ cm and $BC = 6$ cm, then find the distance from the centre O to the chord BC.

2

OR

b) If point D lies on the circle between B and C and on the opposite side of the point A, then find the value of $\angle BDC$.

2



Delhi Public School, Howrah

PERIODIC ASSESSMENT III (2024-2025)

Class-IX

Care must be taken not to write anything on the question paper. All the questions must be attempted in the correct sequence.

Subject:- Science (Code No. 086)

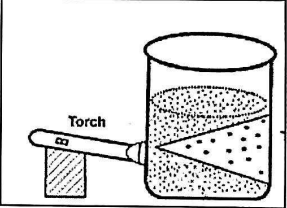
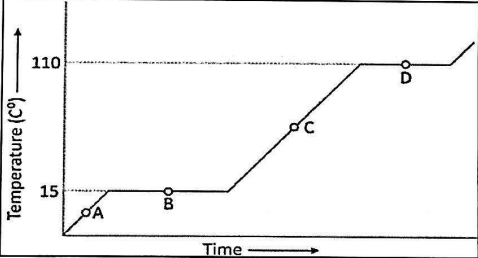
Time: -3 Hours

F.M.-80

General Instructions:

- All questions are compulsory. However, an internal choice of approximately 33% is provided. 50% marks is allotted to competency-based questions.
- Section A has 16 simple/complex MCQs and 04 Assertion-Reasoning type questions carrying 1 mark each.
- Section B has 6 Short Answer (SA) type questions carrying 02 marks each.
- Section C has 7 Short Answer (SA) type questions carrying 03 marks each.
- Section D has 3 Long Answer (LA) type questions carrying 05 marks each.
- Section E has 3 source based/case based/passage based/integrated units of assessment (04 marks each) with sub-parts of the values of 1/2/3 marks.

SECTION A										
Question 1 to 16 are multiple choice questions. Only one of the choices is correct. Select and write the correct choice as well as the answer to these questions.										
Q.No	Questions	Marks								
1.	An element 'X' can be represented as ${}_{17}^{35}\text{X}$. How many electrons, protons and neutrons are present inside the atom of the element? a. electron=17, proton=18, neutron=18 b. electron=17, proton=17, neutron=17 c. electron=17, proton=17, neutron=18 d. electron=18, proton=18, neutron=18	1								
2.	An element 'M' has 2 electrons in K shell, 8 electrons in L shell and 1 electron in M shell. What will be the chemical formula of the oxide of the element 'M'? a. MO b. M ₂ O c. MO ₂ d. M ₂ O ₃	1								
3.	Match the following and choose the correct option: <table border="1" data-bbox="181 1133 893 1274"><tbody><tr><td>i. Emulsion</td><td>[A] Only dispersion medium is gas</td></tr><tr><td>ii. Foam</td><td>[B] Only dispersion medium is liquid</td></tr><tr><td>iii. Milk of magnesia</td><td>[C] Both dispersion medium and dispersed phase are liquid</td></tr><tr><td>iv. Fog</td><td>[D] Only dispersed phase is gas</td></tr></tbody></table> a. i-A, ii-D, iii-B, iv-C b. i-C, ii-D, iii-A, iv-B c. i-C, ii-A, iii-B, iv-D d. i-C, ii-D, iii-B, iv-A	i. Emulsion	[A] Only dispersion medium is gas	ii. Foam	[B] Only dispersion medium is liquid	iii. Milk of magnesia	[C] Both dispersion medium and dispersed phase are liquid	iv. Fog	[D] Only dispersed phase is gas	1
i. Emulsion	[A] Only dispersion medium is gas									
ii. Foam	[B] Only dispersion medium is liquid									
iii. Milk of magnesia	[C] Both dispersion medium and dispersed phase are liquid									
iv. Fog	[D] Only dispersed phase is gas									
4.	In a compound two elements X and Y are present in 1:2 ratio. If the atomic mass of Y is 16u and molecular mass of the compound is 64u then what will be the atomic mass of element X?	1								

	<ul style="list-style-type: none"> a. 12u b. 22u c. 32u d. 42u 	
5.	<p>In an experiment solution 'A' shows the following feature. Observe the diagram and identify the INCORRECT sentence regarding solution 'A'.</p>  <ul style="list-style-type: none"> a. 'A' is a heterogeneous mixture. b. 'A' is usually transparent. c. The particles of 'A' are large enough to scatter the light. d. 'A' can be milk. 	1
6.	<p>Which of the following has highest kinetic energy?</p> <ul style="list-style-type: none"> a. Particles of ice at 0 °C b. Particles of water at 0 °C c. Particles of water at 100 °C d. Particles of steam at 100 °C 	1
7.	<p>Study the given heating curve of substance X carefully and select the INCORRECT statement.</p>  <ul style="list-style-type: none"> a. At point 'A' the substance is solid. b. At point 'C' the substance is liquid. c. At point 'D' the substance is gaseous. d. At point 'D' the substance exists both in liquid and gaseous state. 	1
8.	<p>A student observed a permanent slide. On observation he found cell with striations and multinucleate but no cell wall. From this it may be concluded that the given slide is of:</p> <ul style="list-style-type: none"> a. Skeletal muscles b. Non-striated muscles c. Neuron d. Cardiac muscles 	1
9.	<p>Human cheek cells stained in methylene blue and mounted in glycerine were observed with the help of a compound microscope. The components of the cell which would be seen are:</p> <ul style="list-style-type: none"> a. Cell wall, cytoplasm, nucleus. b. Plasma membrane, cytoplasm, nucleus. c. Plasma membrane, cytoplasm, nucleus, mitochondria. d. Cell wall, plasma membrane, cytoplasm, nucleus. 	1

10. Match the following and choose the correct option:

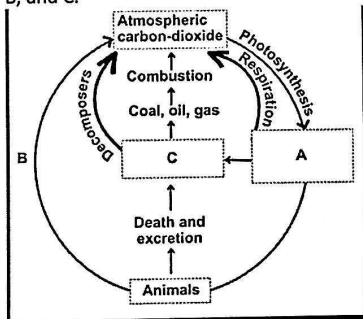
Column I	Column II
1. Man made	[A] Manure
2. Made from natural substance	[B] Apiculture
3. Bee keeping	[C] Marine fisheries
4. Flying fish	[D] Inland fisheries
5. Rohus fish	[E] Fertiliser

- 1-A, 2-C, 3-D, 4-B, 5-E
- 1-E, 2-A, 3-B, 4-C, 5-D
- 1-D, 2-C, 3-A, 4-E, 5-B
- 1-B, 2-D, 3-C, 4-A, 5-E

11. The matrix of bone is in the form of thin concentric rings, called _____. Bone cells, called _____ are present in fluid-filled spaces called _____. These fluid-filled spaces of the bone communicate with each other by network of fine canals, called _____. Choose the correct sequence of words from the following to complete the above passage.

- Lacunae, Osteoblasts, Lamellae, Canaliculi
- Lacunae, Adipocytes, Canaliculi, Sarcoplasm
- Lamellae, Chondrocytes, Canaliculi, Lacunae
- Lamellae, Osteocytes, Lacunae, Canaliculi

12. Complete the carbon cycle shown in the picture given below by accurately identifying the labelling A, B, and C.



- A: Plants, B: Photosynthesis, C: Organic Matter
- A: Plants, B: Respiration, C: Inorganic Compounds
- A: Producers, B: Decomposition, C: Dead Organic Compounds
- A: Producers, B: Respiration, C: Dead Organic Matter

13. Suppose a boy is enjoying a ride on a merry-go-round which is moving with a constant speed of 10 m/s. It implies that the boy is-

- At rest.
- Moving with no acceleration.
- In accelerated motion.
- Moving with uniform velocity.

14. An object of mass 2 kg is sliding with a constant velocity of 4 m s^{-1} on a frictionless horizontal table. The force required to keep the object moving with the same velocity is

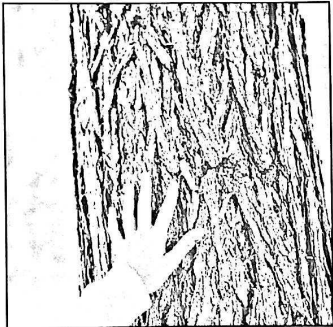
- 32N
- 0N
- 2N
- 8N

15. Soham lives in a small village situated on the banks of a large perennial river. To eliminate their dependency on the rains, the villagers thought of introducing an irrigation system in the village to

avoid crop failure due to shortage of water. Which of the following irrigation systems would you suggest to the villagers?

- Building tanks
- Constructing canals
- Introducing a river lift system
- Irrigating fields through dug wells

16. Identify the type of tissue shown in the given picture along with its function.



Option	Tissue	Function
a.	Cork	Provides protection to the underlying plant parts
b.	Cambium	Make new cells for the plant
c.	Epidermis	Prevents water loss
d.	Parenchyma	Stores food for the plant

Question No. 17 to 20 consist of two statements – Assertion (A) and Reason (R). Answer these questions by selecting the appropriate option given below:

- Both A and R are true, and R is the correct explanation of A.
- Both A and R are true, but R is not the correct explanation of A.
- A is true but R is false.
- A is false but R is true.

17. Assertion (A): The mass of an atom is due to the mass of the protons and neutrons inside its nucleus.
Reason (R): The mass of electron outside the nucleus is negligible.

18. Assertion(A): Cells having cell wall withstand very dilute (hypotonic) external media without bursting.
Reason (R): The cell wall exerts an equal pressure against the swollen cell.

19. Assertion (A): When distance between two bodies is doubled and also mass of each body is doubled, then the gravitational force between them remains the same.
Reason (R): According to Newton's law of gravitation, force of gravitation is directly proportional to the product of the masses of bodies and inversely proportional to the square of the distance between them.

20. Assertion (A): Surface of skin is impervious to water.
Reason(R): Surface of skin is covered by stratified cuboidal epithelium.

SECTION B

Question No. 21 to 26 are very short answer questions

21. Identify the compounds from the following set of substances- Chlorine gas, Iron sulphide, alloy, Sulphur powder, Potassium chloride, Carbon monoxide, Smog, Calcium carbonate, Diamond, Blood **2**

22. Draw a schematic representation of nitrogen cycle. **2**

23. **Attempt either option a or b.** **2**

a. Smita was suffering from rheumatoid arthritis due to the inflammation of joints. Name the tissue that is being damaged in her joints. What function does that tissue perform in the human body?

OR

b. Rima went on a trip alone. She had to carry heavy travel bags. While walking, she kept the bag down to relax for a while. Name the muscle tissues involved in this action and state why is she getting tired.

24. a. A man standing at 68m from a wall fires a gun. Calculate the time after which an echo is heard. The speed of sound is 340m/s. **1+1**

b. The frequency of a source of sound is 100 Hz. How many times does it vibrate in a minute?

25. **Attempt either option a or b.** **1+1**

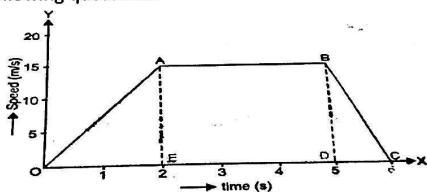
a. Give reason for the following:

i. A javelin thrower is marked foul if he crosses over the line marked for throw. Athletes often fail to stop themselves before the line.

ii. A stone tied to a string is whirling in a horizontal circle. If the string breaks, the stone flies away tangentially.

OR

b. The speed – time graph of a car of 1000 kg mass is given below. On the basis of this answer the following questions.



- i. When is the maximum force acting on the car?
- ii. What is the retarding force acting on the car?

26. A stone fell from the top of a tower taking 5 seconds to reach the ground level. Calculate- **2**

a. The velocity of the stone just before hitting the ground.

b. The height of the tower ($g = 9.8 \text{ m/s}^2$)

SECTION C

Q.no. 27 to 33 are short answer questions.

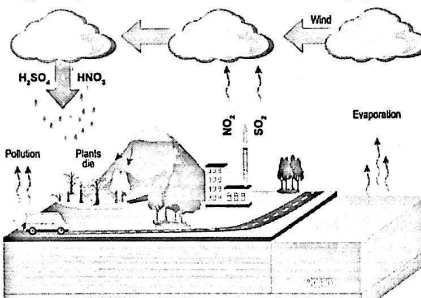

27. a. 'Boiling is a bulk phenomenon, but evaporation is a surface phenomenon'- justify the sentence. **2+1**

b. Container 'A' contains certain amount of water and container 'B' contains similar amount of acetone inside it. After some time, it is observed that acetone in container 'B' evaporates much faster compared to water in container 'A'. What is the reason behind it?

28. **Attempt either option a or b** **3**

a. A 0.24 g sample of compound of oxygen and boron was found by analysis to contain 0.096 g of boron and 0.144 g of oxygen. Calculate the percentage composition of the compound by weight.

OR

	<p>b. When 3 g of carbon is burnt in 8 g of oxygen, 11 g of carbon dioxide is formed. What mass of carbon dioxide will be formed when 3 g carbon is burnt in 50 g of oxygen? Which laws of chemical combination are observed here? Explain your answer.</p>	
29.	<p>Observe the given picture and answer the following questions:</p>  <p>a. Identify the condition shown in the above picture. b. Mention the cause behind the above condition. c. Mention two consequences of the same.</p>	3
30.	<p>a. Give the technical terms for the following:</p> <ol style="list-style-type: none"> The category of plant tissues that have lost their ability to multiply. The kind of animal tissue in which cells produce and secrete chemical substances. <p>b. Ishita's father has a grapevine garden. She notices that the weak stems of the grapevine plants easily coil around any nearby support. To Ishita's surprise the weak stem bent but did not break. Give reason for the same and also mention the type of tissue involved.</p> <p>c. Intercellular spaces are absent in sclerenchyma tissues. Why?</p>	3
31.	<p>a. The masses of a scooter and a bike are in the ratio of 2:3, but both are moving with the same speed of 108km/h. Compute the ratio of their kinetic energies.</p> <p>b. A man of mass 60kg runs up a flight of 30 steps in 40s. If each step is 20cm high, calculate his power.</p> <p>c. Two balls of masses m each are raised to height h and $2h$ respectively. What will be the ratio of their potential energies?</p>	1+1+1
32.	<p>a. Represent graphically in following cases with separate diagrams.</p> <ol style="list-style-type: none"> Two sound waves having the same amplitude but different frequencies? Two sound waves having the same frequency but different amplitudes. <p>b. If velocity of sound in air is 340 m s^{-1}, calculate the wavelength of sound when frequency is 256 Hz.</p>	2+1
33.	<p>a. Would the rate of fall of a sheet of paper and the one that is crumpled into a ball be different in i. air ii. vacuum? Justify in your own words.</p>  <p>b. You buy a bag of sugar of weight W at a place on the equator. You take it to Antarctica. Would it weigh more or less or same? Justify in your own words.</p>	2+1

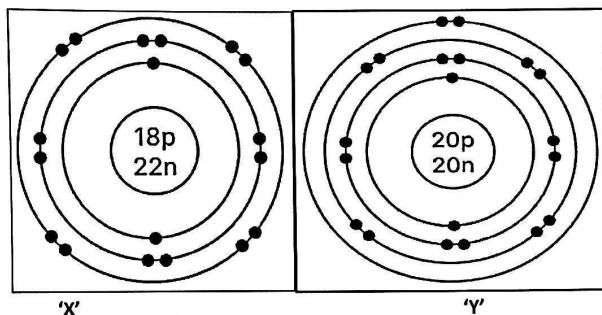
SECTION-D

Q.no. 34 to 36 are long answer questions.

34.

Attempt either option a or b

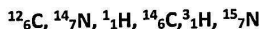
a. Observe the diagrams below for the two elements 'X' and 'Y' respectively and answer the following questions.



- What is the valency of element 'X' and 'Y' respectively? Explain the relation between 'X' and 'Y'.
- Suppose element 'Y' forms an ion Y^{2+} . Between Y and Y^{2+} , which one will be more stable and why?
- Write down the electronic configuration of element 'Y'.

OR

b. Consider the following nuclei of atoms-

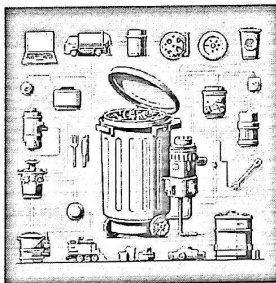


- Identify the atoms which are isotopes and isobars to each other.
- Why do the isotopes have identical chemical properties but different physical properties?
- What is the valency of ${}^{14}_6\text{C}$? Explain your answer.

35.

Attempt either option a or b

a. i. Which of the cell organelles can be related with the picture given below? Give justification for your answer.



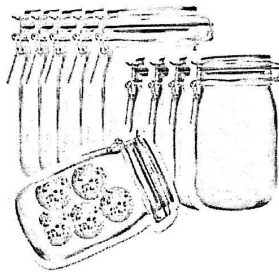
- During a laboratory experiment, a student extracted cells from the epidermis of a plant and cheek. He kept both types of cells in distilled water on the slide for a period of time, but missed to label the slides. He then observed the slides under the microscope to identify them, but to his surprise, cells of one of the slides were completely damaged. Can you find out which cells were damaged and why?
- What is the type of cell division that occurs in gametes? Draw a labelled diagram of the same.

OR

5

1+2+2

b. i. Which of the cell organelles can be related with the picture given below? Give justification for your answer.



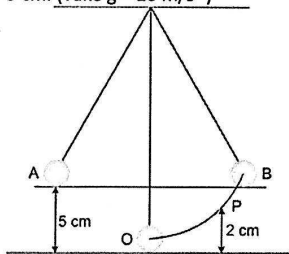
ii. What is the difference in the ribosomes of prokaryotic and eukaryotic cells? What is polyribosome?
 iii. With the help of a diagram explain the process of plasmolysis.

36.

Attempt either option a or b

a. Read the passage and answer the following questions.

The following diagram shows that a simple pendulum consisting of a bob of mass 100 gm. Initially the bob of the pendulum is at rest at 'O'. It is then displaced to one side at A. The height of 'A' above 'O' is 5 cm. (Take $g = 10 \text{ m/s}^2$)

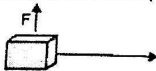


- What is the value of potential energy of bob at 'A' and where does it come from?
- What is the value of total energy of the bob at position A?
- What is the value of kinetic energy of the bob at mean position 'O' during oscillation?
- What is the value of kinetic energy and potential energy of the bob at the position 'P' whose height above 'O' is 2 cm?

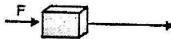
OR

b. i. In each of the following diagram a force, F is acting on an object of mass, m. The direction of displacement is from west to east shown by the longer arrow.

Observe the diagrams carefully and state whether the work done by the force is negative, positive or zero with proper justification.



(i)



(ii)

- Calculate the work required to be done to stop a car of 1500 kg moving at a velocity of 72 km/h?
- A person holds a bundle of hay over his head for 30 minutes and gets tired. Has he done some work or not? Justify your answer.
- A man exerts a force of 200 N in pulling a cart at a constant speed of 16m/s. Calculate the power spent by the man.

1+1+2
+1

2+1+1
+1

SECTION - E

Question No. 37 to 39 are case-based/data-based questions

37. An element 'X' is a metal and can react with nonmetals like oxygen, chlorine, bromine etc. It is a reactive metal and can also react with water and acids. 'X' has its valence electrons in the M shell. 'X' forms a sulphate compound having the formula $X_2(SO_4)_3$. When 'X' is exposed to air it develops a coating of metal oxide over it.
- Identify 'X'.
 - What is the atomic number of 'X'?

Attempt either subpart b or c

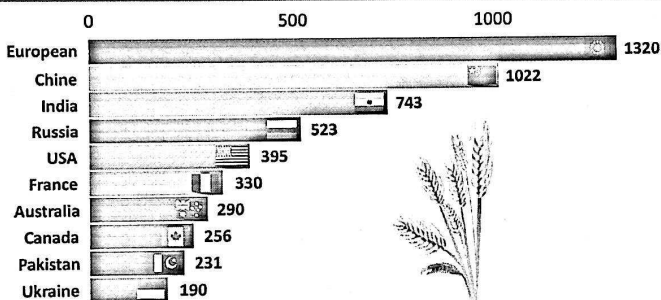
- What will be the Chemical formula of the compounds if 'X' combines with oxygen and chlorine respectively?

OR

- Which ion will be formed by 'X'? Write down the electronic configuration of that ion.

38. In the past few decades, India has become self-reliant in food grain production and is among the top wheat-producer countries. 4

Top wheat producing countries in world's from 1996 to 2020

**Attempt either subpart a or b**

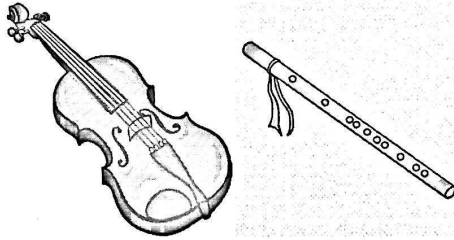
- Which farming practices have been adopted by our farmers to increase wheat production? (Mention four points)

OR

- India, being the third largest producer of wheat, is still unable to provide food to a large population due to poor storage facilities. Suggest any four precautions to be taken to avoid the spoilage of food during storage.
- In which month is wheat sown and harvested?
- What is the irrigation requirement of the wheat crop? Give reason for your answer.

39. A violin and a flute may both be played the same time in an orchestra. Both sounds travel through the same medium, that is, air and arrive at our ear at the same time. Both sounds travel at the same speed irrespective of the source. But the sounds we receive are different. This is due to the different characteristics associated with the sound. Pitch is one of the characteristics. How the brain interprets the frequency of an emitted sound is called its pitch. The faster the vibration of the source, the higher is the frequency and the higher is the pitch. The magnitude of the maximum disturbance in the 4

medium on either side of the mean value is called the amplitude of the wave. It is usually represented by the letter (A).



Answer the following questions:

- Two friends were playing on identical guitars whose strings were adjusted to give notes of the same pitch. Will the quality of the notes be the same? Give a reason for your answer.
- If the amplitude of a sound wave is doubled, what will be the effect on its loudness?
- 20 waves pass through a point in 2 seconds. If the distance between one crest and adjacent trough is 1.5 m. Calculate (a) the frequency and (b) the wavelength.

OR

- Two children are at opposite ends of an aluminium rod. One strikes the end of the rod with a stone. Find the ratio of time taken by the sound wave in air and in aluminium to reach the second child. Given, velocity of sound in air and aluminium are 346 ms^{-1} and 6420 ms^{-1} respectively.



Delhi Public School, Howrah

PERIODIC ASSESSMENT -3 (2024-2025)

Class- IX

Care must be taken not to write anything on the question paper. All the questions must be attempted in the correct sequence.

Time: - 3 Hours

SUBJECT: SOCIAL SCIENCE (CODE- 087)

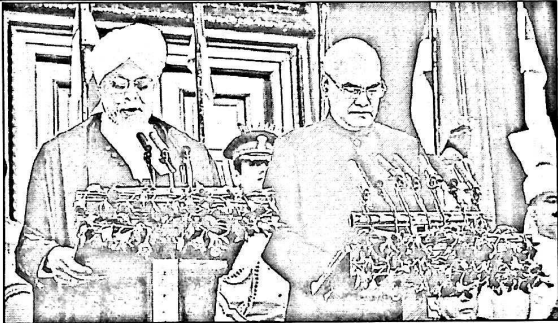
F.M.80

General Instructions:

1. The question paper comprises Six Sections – A, B, C, D, E and F. There are 37 questions in the Question paper. All questions are compulsory.
2. **Section A** – From questions 1 to 20 are MCQs of 1 mark each.
3. **Section B** – Question no. 21 to 24 are Very Short Answer Type Questions, carrying 2 marks each. Answer to each question should not exceed 40 words.
4. **Section C** contains Q.25to Q.29 are Short Answer Type Questions, carrying 3 marks each. Answer to each question should not exceed 60 words
5. **Section D** – Question no. 30 to 33 are long answer type questions, carrying 5 marks each. Answer to each question should not exceed 120 words.
6. **Section-E** - Questions no from 34 to 36 are case based questions with three sub questions and are of 4 marks each. Answer to each question should not exceed 100 words.
7. **Section F** – Question no. 37 is map based, carrying 5 marks with two parts, 37a from History (2 marks) and 37b from Geography (3 marks).
8. There is no overall choice in the question paper. However, an internal choice has been provided in few questions. Only one of the choices in such questions have to be attempted.
9. In addition to this, separate instructions are given with each section and question, wherever necessary.
10. **Note:** CBQ stands for “Competency Based Question”. 50% weightage allocated for competency-based questions.

SECTION A		
MCQs (1x20=20)		
1	The term 'brain drain' refers to: A. The movement of skilled individuals from one country to another. B. The migration of unskilled workers to urban areas. C. The loss of natural resources due to unsustainable practices. D. The decline in literacy rates in a population.	1
2	A student observes that a place experiences heavy rainfall throughout the year with a moderate temperature. The place is most likely to have which type of climate? A. Tropical Monsoon Climate B. Desert Climate C. Mediterranean Climate D. Tundra Climate	1
3	Given below are two statements: Statement I: The main drawback of the farming methods used in Palampur is lack of awareness about agricultural practices. Statement II: The main aim of the government's employment generation programs in Palampur is to increase the GDP of the village. In the light of above statements, choose the correct answer from the options given below: A. Both statement I and Statement II are true.	1

	<p>B. Both statement I and Statement II are false. C. Statement I is true, but Statement II is false. D. Statement I is false, but Statement II is true.</p>											
4	<p>Which of the following statements represent withdrawal of the monsoon? i. It begins in the northwestern states of India ii. It starts in early November iii. From north to south, the withdrawal of Monsoon takes place from the first week of December iv. By early December, the Monsoon withdraws from the rest of the country</p> <p>A. Both (i) and (ii) B. Option(ii),(iii) and (iv) C. Only (ii) D. Option (i),(iii) and (iv)</p>	1										
5	<p>Democracy is considered a better option among other political options available to the people in today's world. Which of the following features support the given assertion? A. It allows people with different interests to live in separate nations. B. It increases the speed of decision-making processes. C. It does not respect people's wishes but allows them to be expressed. D. It reduces the chances of wars and social conflicts.</p>	1										
6	<p>Given below are two statements: Statement I: The fight against the apartheid regime was led by the people of South Africa. It was a party less struggle. Statement II: The Indian National Congress was quite a heterogeneous organisation consisting of people of varying political opinions before 1947. In the light of above statements, choose the correct answer from the options given below: A. Both statement I and Statement II are true. B. Both statement I and Statement II are false. C. Statement I is true, but Statement II is false. D. Statement I is false, but Statement II is true.</p>	1										
7	<p>Match the items of Column I with those in Column II.</p> <table border="1" style="width: 100%;"> <thead> <tr> <th style="width: 50%;">Column I (Political Slogan)</th> <th style="width: 50%;">Column II (Given by)</th> </tr> </thead> <tbody> <tr> <td>a. Garibi Hatao</td> <td>i. Left front in West Bengal</td> </tr> <tr> <td>b. Save Democracy</td> <td>ii. Congress</td> </tr> <tr> <td>c. Land to the Tiller</td> <td>iii. BJP</td> </tr> <tr> <td>d. Acche Din</td> <td>iv. Janata Party</td> </tr> </tbody> </table> <p>A. a-ii, b-iv, c-i, d-iii. B. a-iii, b-iv, c-ii, d-i. C. a-iv, b-i, c-ii, d-iii. D. a-i, b-ii, c-iii, d-iv.</p>	Column I (Political Slogan)	Column II (Given by)	a. Garibi Hatao	i. Left front in West Bengal	b. Save Democracy	ii. Congress	c. Land to the Tiller	iii. BJP	d. Acche Din	iv. Janata Party	1
Column I (Political Slogan)	Column II (Given by)											
a. Garibi Hatao	i. Left front in West Bengal											
b. Save Democracy	ii. Congress											
c. Land to the Tiller	iii. BJP											
d. Acche Din	iv. Janata Party											
8	<p>Assertion: Palampur has a well-developed irrigation system. Reason: The village is located near a perennial river, and the farmers use tube wells for irrigation. 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.</p>	1										
9	<p>In the following question, a statement of Assertion (A) is followed by a statement of Reason(R). Choose the appropriate answer from the options given below as the correct answer. Assertion (A): Democracy is able to bring economic development at an enormously fast pace compared to other political systems.</p>	1										

	<p>Reason (R): Democracy is not a magical solution to the problems of society.</p> <p>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.</p>	
10	<p>Choose the incorrect option from the statements given below in the context of Slave Trade in France.</p> <p>A. The Slave trade began in the 17th century. B. Port cities of France owed their economic prosperity to the flourishing slave trade. C. It was the convention that legislated to free all slaves in the French overseas possessions. D. Napoleon abolished the institution of slavery in France.</p>	1
11	<p>The British ruled undivided India before independence. After the Independence, the princely states had to be integrated into the union of India. However, the British gave these provinces different options. Which of the following is an option given to these provinces?</p> <p>(I) They can join India. (II) They can join Pakistan. (III) They can remain independent. (IV) They can exist as an ally to Pakistan.</p> <p>Options: A. (I) and (III). B. (II), (III) and (IV). C. (I), (II), (III) and (IV). D. (I), (II) and (III).</p>	1
12	 <p>On the basis of the given picture, choose the correct statement regarding Supreme Court of India.</p> <p>A. Both the President and the CJI give speeches at the beginning of a Lok Sabha Session. B. The President summons and prorogues a Lok Sabha Session. C. The CJI administers the oath to the newly elected President. D. The President and the CJI indulge in a debate.</p>	1
13	<p>Sara is the leader of a team of her school. The team visited a famine prone area. Now she has to report to her principal. Which of the following problems she is going to report?</p> <p>A. Prolonged starvation. B. Non-availability of food grains. C. Probable spread of epidemics. D. All of the above</p>	1
14	<p>Which of the following is not a challenge to food security in India?</p> <p>A. Poverty and inequality B. Climate change and natural disasters C. Lack of technological advancements in agriculture D. Inadequate storage and transportation facilities</p>	1

15 Identify the attribute allegorized in the picture given below:

- A. Law
- B. Peace
- C. Equality
- D. Liberty



1

16 Match the following: -

Column A	Column B
a) Dakshin Ganga	i. Narmada basin
b) Dhuadhar falls	ii. Rajasthan
c) Sambhar lake	iii. Kaveri river
d) Sivasamudram	iv. Godavari river

- A. a-iv, b-i, c-ii, d-iii
- B. a-ii, b-i, c-iv, d-iii
- C. a-iii, b-iv, c-ii, d-i
- D. a-i, b-iii, c-iv, d-ii

1

17 In the following question, a statement of Assertion (A) is followed by a statement of Reason (R). Choose the appropriate answer from the options given below as the correct answer.

Assertion (A): The relationship between voters and political leaders is similar to the one that exists in the markets.

Reason (R): Voters vote for the candidate or party that offers the best product.

- A. Both A and R are true, and R is the correct explanation of A.
- B. Both A and R are true, but R is not the correct explanation of A.
- C. A is true, but R is false.
- D. A is false, but R is true.

1

18 "We shall strike the kulaks working for the decrease in cultivation" was the slogan for which social movement in Russia?

- A. 1905 Revolution
- B. Bolshevik Revolution
- C. Agricultural Collectivization
- D. Economic Liberalism

1

19 What is the official name for the body that includes all the Ministers?

- A. Cabinet Ministers.
- B. Council of Ministers.
- C. Political Executives.
- D. Senate.

1

20 In the following question, a statement of Assertion (A) is followed by a statement of Reason (R). Choose the appropriate answer from the options given below as the correct answer.

Assertion (A): Helmut's father had said, 'The Allies will do to us what we did to the crippled and the Jews.'

Reason (R): Nazis isolated and exterminated the Jews because they were stronger than them.

- A. Both A and R are true, and R is the correct explanation of A.
- B. Both A and R are true, but R is not the correct explanation of A.
- C. A is true, but R is false.
- D. A is false, but R is true

1


SECTION B

VERY SHORT ANSWER QUESTION (2x4=8)

21 What gives political executives greater authority compared to permanent executives? **2**

22 Peter, a student of history in a French university, was researching about the conditions which led to the French revolution in 1789. He finds out how food riots had become frequent in the French countryside, owing to which people struggled to live. Describe the reasons that led to such a crisis in France during the Old Regime. **2**

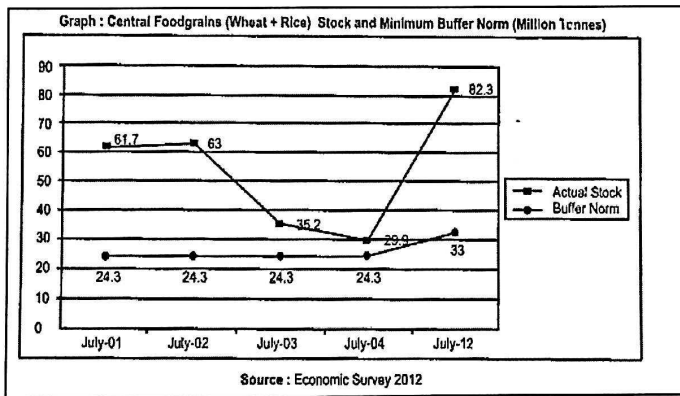
23 The Indian drainage system is classified into the Himalayan rivers and Peninsular rivers. The Himalayan rivers are perennial and fed by glaciers and rainfall, whereas the Peninsular rivers are seasonal and depend on monsoon rains. Major rivers such as the Ganga, Brahmaputra, and Indus originate in the Himalayas, while rivers like the Godavari, Krishna, and Kaveri flow through the Peninsular plateau. These rivers play a vital role in agriculture, drinking water supply, and hydroelectricity generation.
What is the difference between Himalayan rivers and Peninsular rivers in terms of origin, flow, and utility? **2**

24  This cartoon was created during the time when elections took place in Iraq under the oversight of the US and other foreign powers.
What message do you think this cartoon is conveying? Why do you think the word 'democracy' is written in this particular manner? **2**

SECTION C

SHORT ANSWER-BASED QUESTIONS (3 x5=15)

25 Study the graph about Central Foodgrains Stock and Minimum Buffer Norm and answer the following questions: **3**



- (i) What was the minimum buffer stock norm in 2012?
- (ii) Why were the FCI granaries overflowing with food grains?
- (iii) Why is there general consensus that high level of buffer stock of food grains is very undesirable?

26 There exists wide variation in the wages of farm labourers all over India. Justify your answer. **3**

27	'The Indian landmass shows a great physical contrast.' Explain this statement.	3
28	A. Elaborate upon any three terms mentioned in the Preamble to the Indian Constitution. OR B. Underline any three issues faced by the leaders of South Africa while creating a draft of the South African Constitution.	3
29	At the beginning of the 20 th century, most factories in Russia were owned by industrialists. In this context, discuss the effects of First world war on the industries in Russia.	3
SECTION D		
LONG ANSWER-BASED QUESTIONS (5x4=20)		
30	A. How does density of population depend upon topography and climatic conditions? What are the advantages of having a healthy population? OR B. Why is population the pivotal element in social studies? What are the reasons for the steep rise in the population of India since 1921?	5
31	A. How can creation of income earning assets address the problem of poverty? Do you think that it is not possible to eradicate poverty completely? OR B. Illustrate the difference between rural and urban poverty. Is it correct to say that poverty has shifted from rural to urban areas? Use the trends in poverty ratio to support your answer.	5
32	A. "The centre of power in India revolves around the Prime Minister." Explain. OR B. "Upholding judicial independence is of critical importance." Elucidate.	5
33	A. Evaluate the use of language and media by the Nazis to popularise their ideology in Germany. OR B. Analyse the attempts made by the Nazis to implement their aim of creating an exclusive racial state in Germany.	5
SECTION E		
CASE-BASED QUESTIONS (4 x3=12)		
34	Read the following passage and answer the questions that follow: In February 1917, food shortages were deeply felt in the workers' quarters. The winter was very cold- there had been an exceptional frost and heavy snow. Parliamentarians wishing to preserve the elected government were opposed to the Tsar's desire to dissolve the Duma. On 22 February, a lockout took place at a factory on the right bank. The next day, workers in fifty factories called a strike in sympathy. In many factories, women led the way to strikes. (a) What factors led to food shortages in the workers' quarters? (b) How impactful was women's participation in the February revolution? (c) Highlight any 2 consequences of the February revolution.	(2) (1) (1)
35	Read the following passage and answer the questions that follow: The Indian landmass has a central location between the East and the West Asia. India is a southward extension of the Asian continent. The trans Indian Ocean routes, which connect the countries of Europe in the West and the countries of East Asia, provide a strategic central location to India. The Deccan Peninsula protrudes into the Indian Ocean, thus helping India to establish close contact with West Asia, Africa and Europe from the western coast and with Southeast and East Asia from the eastern coast. No other country has a long coastline on the Indian Ocean as India has and indeed, it is India's eminent position in the Indian Ocean, which justifies the naming of an Ocean after it. These routes have contributed in the exchange of ideas and commodities since ancient times. The ideas of the Upanishads and the Ramayana, the stories of Panchtantra, the Indian numerals and the decimal system thus could reach many parts of the world. The spices, muslin and other merchandise were taken from India to	

different countries. On the other hand, the influence of Greek sculpture, and the architectural styles of dome and minarets from West Asia can be seen in different parts of our country. India's contacts with the World have continued through ages but her relationships through the land routes are much older than her maritime contacts. The various passes across the mountains in the north have provided passages to the ancient travelers, while the oceans restricted such interaction for a long time.

(a) Why is India said to have a strategic position? What is its locational advantage in this regard?
 (b) Indian ocean is named after the country. Is it justified? Explain.
 (c) How do we know that the land routes established foreign contacts way before the maritime routes?

(2)
(1)
(1)

36 Read the following passage and answer the questions that follow:
 The study examined the determinants of human capital formation with evidence from Nigeria. Specifically, the study sought to examine how these determinants affect human capital formation; and how they affect the growth of the Nigerian economy. The theoretical foundations of the study were the views of Adam Smith, Theodore Schultz, Gary Becker and Jacob Mincer on human capital. The data used in the study were expenditures on education, expenditures on health, total enrolments (primary, secondary, and tertiary), mortality rate, life expectancy and GDP of Nigeria. The study used trend diagrams, tabular analysis and descriptive statistics to provide answers to the first question; and the second question was answered using the three-stage least squares (3SLS) econometric technique. It was discovered that bi-directional positive and significant relationships existed between health expenditures and economic growth. Mortality rate had a positive relationship with expenditures on health. Also, bi-directional negative and significant relationships existed between education expenditures and economic growth, even when there were increased expenditures on education over the years. Total enrolments positively affected education expenditures. It was concluded that expenditures on education had not been sufficient in revitalizing the education sector. This has resulted to negative consequences in determining effective and efficient human capital formation in the economy. It was recommended that expenditures on health should be increased to ensure positive contributions to human capital formation; and government should focus on revitalizing the education sector, through effective and transparent spending, so as to have positive effects on human capital formation and the economy.

- (a) What are the two primary sources of human capital in a country?
 (b) What are the main issues in human capital formation in India? (Mention any two)
 (c) 'School dropouts are giving way to child labour.' Discuss how this is a loss of human capital

(1)
(1)
(2)

SECTION F

PICTURE BASED/MAPSKILL-BASED QUESTIONS (2+3=5)

37 Identify and name the following country on the outline map of the world .
 a. The country which attacked Pearl Harbour
 b. The country where Nazism was established



2

37.b On the given political map of India, name and identify the following: (ANY – 3)

A. The hill range forming the Western boundary of the Malwa plateau.
 B. The largest river of South India.
 C. The state having the lowest population density.
 D. Tiger reserve in Uttarakhand.

3



Delhi Public School, Howrah

PERIODIC ASSESSMENT-III (2024-2025)

CLASS IX

Caution must be taken not to write anything on the question paper. All the questions must be attempted in the correct sequence.

विषय :- हिन्दी (अ)

अवधि- 3 घंटे

पूर्णांक-80

सामान्य निर्देश :-

1. इस प्रश्न पत्र में 4 खंड हैं - खंड-क, खंड-ख, खंड-ग और खंड-घ।
2. दिए गए निर्देशों का पालन करते हुए प्रश्नों के उत्तर दीजिए।
3. लेखन कार्य में स्वच्छता का विशेष ध्यान रखिए।

(खंड-क)(अपठित गद्यांश)

1. निम्नलिखित गद्यांश पर आधारित प्रश्नों के उत्तर लिखिए-

(7)

अगर आप कम हँसते हैं तो आप भी खूब हँसने की आदत डाल लें, क्योंकि यह अच्छी आदत आपके स्वास्थ्य के लिए काफ़ी अच्छी साबित होती है। इसलिए किसी खास बात पर प्रतिक्रिया जताने के लिए ही न हँसें, बल्कि जब भी मौका लगे तो खूब हँसें और ऐसे लोगों को भी प्रोत्साहित करें, जो हँसाते हैं। हँसने से हमारे शरीर में रक्त का संचार तेजी से होता है, जो हमारे शरीर के लिए बहुत लाभदायक है। यह त्वचा और चेहरे के साथ-साथ बालों की चमक में भी वृद्धि करता है और आपको खुश भी रखता है। हँसने से हमारी साँस लेने की प्रक्रिया में तेज़ी आती है, जिससे हमारी पाचन क्रिया ठीक रहती है। एक अंग्रेज़ डॉक्टर का कहना है कि किसी नगर में दवाई से लदे हुए बीस गधे ले जाने से एक हँसोड़ आदमी को ले जाना अधिक लाभकारी है। हँसी शरीर के स्वास्थ्य का शुभ संवाद देनेवाली है। यह एक साथ ही शरीर और मन को प्रसन्न करती है। पाचन शक्ति बढ़ाती है, रक्त का संचालन करती है और अधिक पसीना लाती है। हँसी एक शक्तिशाली दवा है। एक डॉक्टर कहता है कि यह जीवन की मीठी मदिरा है। डॉक्टर ह्यूड कहते हैं कि आनंद से बढ़कर बहुमूल्य वस्तु मनुष्य के पास और नहीं है। कारलाइल एक राजकुमार थे। वे संसार-त्यागी हो गए थे। वे कहते थे कि जो जी से हँसता है, वह कभी बुरा नहीं होता। जी से हँसो, तुम्हें अच्छा लगेगा। अपने मित्र को हँसाओ, वह अधिक प्रसन्न होगा। शत्रु को हँसाओ, तुमसे कम घृणा करेगा। एक अनजान को हँसाओ, तुम पर भरोसा करेगा। उदास को हँसाओ, उसका दुख घटेगा। निराश को हँसाओ, उसकी आशा बढ़ेगी। एक बूढ़े को हँसाओ, वह अपने को जवान समझने लगेगा। एक बालक को हँसाओ, उसके स्वास्थ्य में वृद्धि होगी। वह प्रसन्न और प्यारा बालक बनेगा।

(1X3=3)

सोपान I. बहुविकल्पीय प्रश्न-

I. अंग्रेज डॉक्टर के कथनानुसार किसी नगर में दवाई से लदे बीस गधे ले जाने के बजाय क्या ले जाना अधिक लाभकारी है?

(क) अच्छा डॉक्टर

(ख) एक हँसोड़ व्यक्ति

(ग) एक समझदार व्यक्ति

(घ) इनमें से कोई नहीं

II. निम्नलिखित में से कौन-सा कार्य हँसी से नहीं होता?

(क) पाचन शक्ति का बढ़ना

(ख) रक्त का सही संचार

(ग) पसीना आना

(घ) अस्वस्थ होना

III. डॉक्टर झ्यूड ने कौन-सी बात कही है?

(क) हँसी एक शक्तिशाली दवा है।

(ख) जीवन की मीठी मदिरा है।

(ग) आनंद से बढ़कर बहुमूल्य वस्तु मनुष्य के पास और नहीं है। (घ) इनमें से कोई नहीं

सोपान II. लघुतरात्मक प्रश्न-

(2X2=4)

IV. हँसी को लेखक ने क्या बताया है तथा क्यों?

V. हँसी के विषय में कारलाइल क्या कहा करते थे?

(अपठित काव्यांश)

2. निम्नलिखित काव्यांश पर आधारित प्रश्नों के उत्तर लिखिए-

(7)

सच है विपत्ति जब आती है,

कायर को ही दहलाती है,

सूरमा नहीं विचलित होते,

क्षण एक नहीं धीरज खोते।

विघ्नों को गले लगाते हैं,

काँटों में राह बनाते हैं।

मुँह से न कभी उफ़्र कहते हैं,

संकट का चरण न गहते हैं,

जो आ पड़ता सब सहते हैं,

उद्योग-निरत नित रहते हैं,

शूलों का मूल नसाते हैं,

बढ़ खुद विपत्ति पर छाते हैं।

सोपान I. बहुविकल्पीय प्रश्न-

(1X3=3)

I. विपत्ति में कौन घबरा जाते हैं?

(क) कायर और डरपोक मनुष्य

(ख) निडर और साहसी मनुष्य

(ग) धर्म भीरु मनुष्य

(घ) आजाद ख्यालों वाले मनुष्य

II. विघ्नों को गले लगाकर 'काँटों में राह बनाने' का आशय है-

- (क) परेशानियों को गले लगाना और काँटों को काटना
(ख) परेशानियों और बाधाओं को झेल कर निरंतर आगे बढ़ते रहना
(ग) मुश्किलों से हार मान जाना
(घ) मुश्किलों से घबराकर आँसू बहा

III. इस काव्यांश के द्वारा कवि क्या प्रेरणा देता है?

- (क) विषम परिस्थितियों में भी धैर्य रखने
(ख) मार्ग की बाधाओं से हार मान लेने की
(ग) अकर्मण्य बैठे रहने की
(घ) इनमें से कोई न

सोपान II. लघुतरात्मक प्रश्न-

(2X2=4)

IV. काव्यांश के अनुसार एक सच्चे सूरमा की क्या विशेषताएँ हैं?

V. वीर और कायर के स्वभाव में क्या अंतर है?

(खंड-ख-व्याकरण)

3. निम्नलिखित शब्दों में प्रयुक्त किन्हीं दो का प्रत्यय एवं मूल शब्द लिखिए। (1X2=2)

- (क) गरीबी
(ख) पारिवारिक
(ग) पहनावा

4. निम्नलिखित शब्दों में प्रयुक्त किन्हीं दो का उपसर्ग एवं मूल शब्द लिखिए। (1X2=2)

- (क) प्रत्यारोप
(ख) खुशबू
(ग) सरस

5. निम्नलिखित समस्त पदों में से किन्हीं चार का समास-विग्रह कीजिए और समास का नाम लिखिए-

(1X4=4)

- (क) चंद्रमुख
(ख) दशानन
(ग) जल-थल
(घ) यथाशक्ति
(ङ) चौराहा

6. निर्देशानुसार किन्हीं चार वाक्यों का वाक्य परिवर्तन कीजिए-

(1X4=4)

- (क) चक्रवातीय तूफान से गरीब लोग बेघर हो गए। (विस्मयवाचक)
(ख) पिता जी प्रतिदिन प्रातः भ्रमण के लिए जाते हैं। (आज्ञावाचक)
(ग) हमारे लिए कॉपी खरीद लीजिएगा। (निषेधवाचक)
(घ) मेरे पिता जी किसान हैं। (प्रश्नवाचक)

(इ) वे कल बाहर जाएँगे।

(संदेहवाचक)

7. निम्नलिखित काव्य पंक्तियों में प्रयुक्त किन्हीं चार अलंकारों के नाम लिखिए।

(1X4=4)

(क) रघुपति राघव राजा राम ।

(ख) तीन बेर खाती थीं वे तीन बेर खाती हैं।

(ग) मधुवन की छाती को देखो, सूखी कितनी इसकी कलियाँ।

(घ) तू मोहन के उरबसी, है उरबसी समान।

(ङ) कालिंदी कूल कदंब की डारन

(खंड-ग- पाठ्यपुस्तक)

8. निम्नलिखित पठित गद्यांश पर आधारित बहुविकल्पीय प्रश्नों के सर्वाधिक उपयुक्त उत्तर लिखिए-

(1X5=5)

वहाँ छात्रावास के हर एक कमरे में हम चार छात्राएँ रहती थीं। उनमें पहली ही साथिन सुभद्रा कुमारी मिलीं। सातवें दर्जे में वे मुझसे दो साल सीनियर थीं। वे कविता लिखती थीं और मैं भी बचपन से तुक मिलाती आई थी। बचपन में माँ लिखती थीं, पद भी गाती थीं। मीरा के पद विशेष रूप से गाती थीं। सवेरे 'जागिए कृपानिधान पंछी बन बोले' यही सुना जाता था। प्रभाती गाती थीं। शाम को मीरा का कोई पद गाती थीं। सुन-सुनकर मैंने भी ब्रजभाषा में लिखना आरंभ किया। यहाँ आकर देखा कि सुभद्रा कुमारी जी खड़ी बोली में लिखती थीं। मैं भी वैसा ही लिखने लगी। लेकिन सुभद्रा जी बड़ी थीं, प्रतिष्ठित हो चुकी थीं। उनसे छिपा-छिपाकर लिखती थी मैं। एक दिन उन्होंने कहा, 'महादेवी, तुम कविता लिखती हो ?' तो मैंने डर के मारे कहा, 'नहीं।' अंत में उन्होंने मेरी डेस्क की किताबों तलाशी ली और बहुत-सा निकल पड़ा उसमें से। तब जैसे किसी अपराधी को पकड़ते हैं, ऐसे उन्होंने एक हाथ में कागज़ लिए और एक हाथ से मुझको पकड़ा और पूरे होस्टल में दिखा आई कि ये कविता लिखती है। फिर हम दोनों की मित्रता हो गई। क्रास्थवेट में एक पेड़ की डाल नीची थी। उस डाल पर हम लोग बैठ जाते थे। जब और लड़कियाँ खेलती थीं तब हम लोग तुक मिलाते थे। उस समय एक पत्रिका निकलती थी- 'स्त्री दर्पण'- उसी में भेज देते थे।

I. सुभद्रा कुमारी कितने साल महादेवी जी से सीनियर थीं?

(क) पाँच

(ख) दो

(ग) तीन

(घ) चार

II. सुभद्रा कुमारी क्या लिखती थीं?

(क) कविता

(ख) निबन्ध

(ग) कहानी

(घ) उपन्यास

III. महादेवी जी ने किस भाषा में कविताएँ लिखना आरंभ कर दिया?

(क) ब्रजभाषा

(ख) खड़ीबोली

(ग) अवधी

(घ) बुन्देली

IV. महादेवी जी और सुभद्रा कुमारी जी दोनों कहा बैठ कर कविताएँ लिखती थीं?

(क) कमरे के अन्दर

(ख) छत पर

(ग) पेड़ के नीचे

(घ) खेतों में

V. महादेवी जी किस पत्रिका में कविता छपने के लिए भेजती थी?

(क) तद्भव

(ख) हंस

(ग) ब्राह्मण

(घ) स्त्री-दर्पण

9. गद्य पाठों के आधार पर निम्नलिखित चार प्रश्नों में से किन्हीं तीन प्रश्नों के उत्तर लगभग 25-30 शब्दों में लिखिए।

(2X3=6)

(क) विलासिता की सामग्रियों से बाजार भरा पड़ा है, जो आपको लुभाने की जी-तोड़ कोशिश में निरंतर लगी रहती हैं। स्पष्ट कीजिए।

(ख) 'मेरे बचपन के दिन' पाठ से कैसे पता चलता है कि उस समय साम्प्रदायिकता नहीं थी ? इसे लेखिका ने उस समय की एक बड़ी बात क्यों कहा है ?

(ग) प्रेमचंद आडंबरहीन जीवन में विश्वास रखते थे।' इस कथन की समीक्षा 'प्रेमचंद के फटे जूते' पाठ के आधार पर कीजिए।

(घ) 'लेकिन औरत जात पर सींग चलाना मना है, यह भूल जाते हो।' हीरा के इस कथन के माध्यम से स्त्री के प्रति प्रेमचन्द के दृष्टिकोण को स्पष्ट कीजिए।

10. निम्नलिखित पठित काव्यांश पर आधारित प्रश्नों के उपयुक्त उत्तर लिखिए- (1X5=5)

क्या अंतरिक्ष में गिर गई हैं सारी गेंदें

क्या दीमकों ने खा लिया है

सारी रंग-बिरंगी किताबों को

क्या काले पहाड़ के नीचे दब गए हैं सारे खिलौने

क्या किसी भूकंप में ढह गई हैं सारे मदरसों की इमारतें

क्या सारे मैदान, सारे बगीचे और घरों के आँगन

खत्म हो गए हैं एकाएक

तो फिर बचा ही क्या है इस दुनिया में ?

I. अपने भरण-पोषण के लिए काम करना, तो अच्छी बात है परंतु बच्चों का काम पर जाना कवि को चिंता का विषय क्यों लग रहा है?

(क) क्योंकि कम उम्र में ही उनका बचपन छिन गया है

(ख) वे जिम्मेदारियों के बोझ से दब गए हैं

(ग) वे बीमार होते जा रहे हैं

(घ) देश में गरीबी फैलती जा रही है

II. मदरसों की इमारतें ढहने से कवि का क्या तात्पर्य है?

(क) मदरसों की इमारतें टूट गई हैं

(ख) मदरसे ध्वस्त हो गए हैं

(ग) विद्यालय नष्ट हो गए हैं

(घ) मदरसों को तोड़ दिया गया

III. 'क्या अंतरिक्ष में गिर गई हैं सारी गेंदें' पंक्ति के माध्यम से कवि क्या कहना चाहता है?

- (क) सभी गेंदें खराब हो गई हैं
(ख) बच्चों की सुख-सुविधाएँ नष्ट हो गई हैं
(ग) बच्चों को पढ़ने के लिए विद्यालय नहीं जाने दिया जाता
(घ) गेंद का मूल्य बढ़ गया था

IV. बच्चों को किस प्रकार की सुख-सुविधाएँ प्रदान की जानी चाहिए?

- (क) उचित शिक्षा की (ख) मनोरंजन की
(ग) खेलने-कूदने की (घ) उपरोक्त सभी

V. प्रस्तुत काव्यांश किसके ईद-गिर्द घूमती नज़र आती है?

- (क) बचपन की घटनाओं पर (ख) अमीर परिवार के बच्चों पर
(ग) गरीब व श्रमिक वर्ग के बच्चों पर (घ) देश के भविष्य पर

11. पद्य पाठों के आधार पर निम्नलिखित चार प्रश्नों में से किन्हीं तीन प्रश्नों के उत्तर लगभग 25-30 शब्दों में लिखिए। (2X3=6)

- (क) शहरी पाहुन के आगमन पर गाँव में उमंग-उल्लास के रूप को 'मेघ आए' कविता के आधार पर अपने शब्दों में लिखिए।
(ख) 'ग्राम श्री' कविता के आधार पर गाँव के प्राकृतिक सौन्दर्य का वर्णन कीजिए।
(ग) 'कैदी और कोकिला' कविता में कवि ने शासन की करनी को काली क्यों कहा है? स्पष्ट कीजिए।
(घ) कबीर के अनुसार ईश्वर के सच्चे स्वरूप को कौन लोग नहीं जान पाते?

12. पूरक पाठ्य-पुस्तक के पाठों पर आधारित निम्नलिखित तीन प्रश्नों में से किन्हीं दो के उत्तर लगभग 50-60 शब्दों में लिखिए। (4X2=8)

- (क) 'रीढ़ की हड्डी' एकांकी में सामाजिक खोखलेपन पर निहित व्यंग्य को स्पष्ट कीजिए।
(ख) 'मेरे संग की औरतें', पाठ में लेखिका की दादी के घर के माहौल का शब्द-चित्र अंकित कीजिए।
(ग) जिन लोगों का बाढ़ से पहली बार सामना होता है, उनकी बाढ़ के पानी को लेकर कैसी उत्सुकता होती है?

(खंड-घ- रचनात्मक लेखन)

13. दिए गये संकेत- बिंदुओं के आधार पर निम्नलिखित विषयों में से किसी एक विषय पर लगभग 120 शब्दों में अनुच्छेद लिखिए- (6X1=6)

(क) फ़ैशन की होड़ में बिगड़ता बजट

संकेत-बिंदु : • मनुष्य का सौंदर्य-प्रेम और फ़ैशन • फ़ैशन कोई बुराई नहीं पर अतिक्रमण उचित नहीं • फ़ैशन से बिगड़ता बजट और उसके दुष्प्रभाव ।

अथवा

(ख) देश में लगा घुन की तरह भ्रष्टाचार

संकेत-बिंदु : • भ्रष्टाचार का विस्तृत अर्थ • स्वार्थ से जुड़े लोगों के कारण भ्रष्टाचार का बढ़ावा
• नैतिक व चारित्रिक पतन • जन-जीवन प्रभावित • उपाय ।

अथवा

(ग) सड़क सुरक्षा : जीवन रक्षा

संकेत-बिंदु : • भूमिका • सड़क सुरक्षा से जुड़े कुछ प्रमुख नियम • सड़क सुरक्षा के नियमों की अनदेखी से होने वाली हानियाँ • इन्हें अपनाने के लाभ • निष्कर्ष ।

14. आपके इलाके की 'केमिस्ट' की दुकान में नकली दवाइयाँ बेची जा रही हैं। इसकी शिकायत करते हुए जिला स्वास्थ्य अधिकारी को पत्र लिखें। (5X1=5)

अथवा

छात्रावास में रह रहे छोटे भाई को परीक्षा में प्रथम आने पर बधाई-पत्र लिखिए ।

15. आपके क्षेत्र में सरकारी जमीन पर गैर-कानूनी ढंग से मकान बनाए जा रहे हैं। इनकी रोकथाम के लिए जिलाधिकारी को लगभग 100 शब्दों में ई-मेल लिखिए। (5X1=5)

अथवा

लगभग 100 शब्दों में एक लघुकथा लिखिए, जिसका आधार निम्नलिखित उक्ति हो-

"लालच बुरी बला।"

16. घबराया हुआ रोगी डॉक्टर के पास जाता है और अपने उपचार की बात करता है। डॉक्टर और रोगी के मध्य संवाद लगभग 80 शब्दों में लिखिए। (4X1=4)

अथवा

आप अपने विद्यालय की छात्र संस्था के सचिव हैं तथा विद्यालय में 'चित्रकला प्रतियोगिता' आयोजित करवाना चाहते हैं। इससे संबंधित सूचना लगभग 80 शब्दों में लिखिए ।



Delfi Public School, Howrah

PERIODIC ASSESSMENT 3 (2024-2025)

Class- IX

Care must be taken not to write anything on the question paper. All the questions must be attempted in the correct sequence.

Subject: - BENGALI (005)

Time: -3 Hours

F.M.-80

Section-A: Comprehension

1. নিম্নলিখিত অনুচ্ছেদটি পড়ে প্রদত্ত প্রশ্নগুলির সঠিক উত্তরটি নির্বাচন কর :

1×12=12

A. ঠিক হল যে এর পরের সপ্তাহ থেকেই সোম-মঙ্গল-বুধ এবং বৃহস্পতিবার সকাল সন্ধ্যা পড়ার ঘন্টা পনেরো মিনিট করে বাড়িয়ে দেওয়া হবে। আর তার পরিবর্তে শুক্রবার সন্ধ্যাবেলা পড়ার ঘন্টা থাকবে না, তখন মেয়েদের সাহিত্যসভা, গানের আসর বা অভিনয় জাতীয় কিছু হবে।

আবার অনিমাদি আমাদের লেখাগুলির প্রশংসা করলেন, আমরা যেন লেখার অভ্যাস না ছাড়ি একথা বারবার বললেন।

মনিকাদি মন্তব্য করলেন, ‘অবশ্য, সবসময়ই পরীক্ষা বিরোধী কবিতা লিখো না।

ঘর থেকে বেরোতে বেরোতে কালু বলল, ‘আমাদের দিদিদের মতন ভালো টিচার কী আর কোনো স্কুলে আছে?’

উৎসাহ উজ্জ্বল মুখে মালু বলল, ‘তাদের মুখ রাখতে হবে। সাহিত্য সভাকে ভালো করে গড়ে তুলতে হবে।’

সত্যিই আজকাল আমাদের সাহিত্য সঙ্ঘ যা জমজমাট হয়েছে কী বলবা! সপ্তাহে সপ্তাহে অধিবেশন হয়, একটা হাতে লেখা পত্রিকাও বেরিয়েছে। ক্লাসের সব মেয়েরা যোগ দিয়েছে। সকলেরই লেখার আশ্চর্য উন্নতি হয়েছে- তবে বিশেষ করে গভালু দলের।

I. ‘অবশ্য, সবসময়ই পরীক্ষা বিরোধী কবিতা লিখো না।’ - মন্তব্যটি করেছেন -

- মনিকাদি
- সুজাদি
- অনিমাদি
- মল্লিকাদি

II. মন্তব্যঃ ঠিক হল যে এর পরের সপ্তাহ থেকেই সোম-মঙ্গল-বুধ এবং বৃহস্পতিবার সকাল সন্ধ্যা পড়ার ঘন্টা পনেরো মিনিট করে বাড়িয়ে দেওয়া হবে।

কারণঃ শুক্রবার পড়ার ঘন্টা না থাকার পাশাপাশি মেয়েদের নিয়ে ঘুরতে যাওয়া হবে।।

- মন্তব্য সঠিক, কিন্তু কারণ গ্রহণযোগ্য নয়।
- মন্তব্য ভুল কিন্তু কারণ গ্রহণযোগ্য।
- মন্তব্য এবং কারণ দুটোই সঠিক।
- মন্তব্য এবং কারণ কোনোটাও গ্রহণযোগ্য নয়

III. সাহিত্যসভা বা সঙ্ঘের নাম হল -

- কাভালু
- গোভালু
- গভালু
- দয়ালু

IV. “পরীক্ষা” শব্দটির সন্ধি বিচ্ছেদ করলে হবে-

- পরি + ইক্ষা
- পরী + ঈক্ষা
- পরি + ঈক্ষা
- পরী + ইক্ষা

B. পাড়ার একপাশে নিকনো পুছানো ছোট্ট খড়ের ঘর দু-তিনখানা। গোয়ালে হুটপুট দুগ্ধবতী গাভী বাঁধা, মাচা ভরা বিচালি, গোলা ভরা ধান। মাঠের ধারের মটর খেতের তাজা সবুজ গন্ধ খোলা হাওয়ায় উঠান দিয়া বহিয়া যায়। পাখি ডাকে- নীলকণ্ঠ, বাবুই, শ্যামা। অপু সকালে উঠিয়া বড় মাটির ভাঁড়ে দোয়া একপাত্র তাজা সফেন কালো গাই এর দুধের সঙ্গে গরম মুড়ির ফলার খাইয়া পড়িতে বসে। দুর্গা ম্যালেরিয়ায় ভোগে না। গরিব বলিয়া কেহ তুচ্ছ তাচ্ছিল্য করে না।

শুধুই স্বপ্ন দেখে, দিন নাই, রাত নাই। সর্বজয়া শুধুই স্বপ্ন দেখে। তাহার মনে হয় এককাল পরে, সত্য সত্যিই একটা কিছু লাগিয়া যাইবে। মনের মধ্যে কে যেন বলে।

দুর্গা একটা ছোট্ট মানকচু কোথা হইতে জোগাড় করিয়া আনিয়া রান্নাঘরে ধর্ণা দিয়া বসিয়া থাকে। তাহার মা বলে, তোর হল কী দুর্গা? আজ কী বলে ভাত খাবি? কাল সন্ধ্যাবেলাও তো জ্বর এসেছে। দুর্গা বলে, তা হোক। সে জ্বর বুঝি- একটু তো মোটে শীত করল। ভূমি এই মানকচুটা ভাতে দিয়ে দুটো ভাত করে দাও।

I. দুর্গা কোন রোগে ভোগে না?

- হুপিং কাশি।
- ম্যালেরিয়া।
- টাইফয়েড।
- যক্ষা।

II. রোজদিন স্বপ্ন কে দেখে?

- অপু।
- দুর্গা।
- সর্বজয়া।
- হরিহর।

III. মন্তব্যঃ আজ কী বলে ভাত খাবি?

কারণঃ কাল সন্ধ্যাবেলাতেও জ্বর এসেছিল।

- মন্তব্য সঠিক, কিন্তু কারণ গ্রহণযোগ্য নয়।
- মন্তব্য ভুল কিন্তু কারণ গ্রহণযোগ্য।
- মন্তব্য এবং কারণ দুটোই সঠিক।
- মন্তব্য এবং কারণ কোনোটাই গ্রহণযোগ্য নয়।

IV. “গরিব বলিয়া কেহ তুচ্ছ তাচ্ছিল্য করে না।”- বাক্যটিকে হ্যাঁ-বাচক করলে কী হবে ?

- গরিব বলিয়া কেহ তুচ্ছ তাচ্ছিল্য করে কী?
- গরিব বলিয়া সকলেই সমাদর করে।
- গরিব বলিয়া কেহ অবহেলা থেকে বিরত থাকে।
- গরিব বলিয়া কেহ তুচ্ছ তাচ্ছিল্য করে না কি।

C. গলিটার যে মুখটা দক্ষিণ দিকে চলে গেছে সেদিকে পথনির্দেশ করল মাঝি। বলল, চল, কোনো গতিকে একবার যদি বাদামতলি ঘাটে গিয়া উঠতে পারি তাহলে আর ডর নাই।

মাথা নিচু করে মোড়টা পেড়িয়ে ছুটল তারা। সোজা এসে উঠল একেবারে পাটুয়াটুলি মোড়ে। নিস্তব্ধ রাস্তা ইলেক্ট্রিক আলোয় ফুটফুট করছে। দুজনেই একবার থমকে দাঁড়াল - ঘাপ্তি মেরে নেই তো কেউ? কিন্তু দেরি করারও উপায় নেই। রাস্তার এ মোড়

ওমোড় একবার দেখে নিয়ে ছুটল সোজা পশ্চিম দিকে। খানিকটা এগিয়ে এমন সময় তাঁদের পেছনে শব্দ উঠল ঘোড়ার খুড়ের। তাকিয়ে দেখল- অনেকটা দূরে একজন অশ্বারোহী এদিকেই আসছে। ভাববার সময় নেই। বাঁ পাশে মেথর যাতায়াতের সরু গলির মধ্যে আত্মগোপন করল তারা। একটু পরেই ইংরেজ অশ্বারোহী রিভলভার হাতে তীব্র বেগে বেরিয়ে গেল তাঁদের বুকের মধ্যে অশ্ব খুরধ্বনি তুলে দিয়ে। শব্দ যখন চলে গেল অনেক দূরে, উঁকি বুকি মারতে মারতে তারা আবার বেরলো।

-কিনারে কিনারে চলো। বলল সুতা মজুর।

রাস্তার ধার ঘেঁষে সন্ত্রস্ত ক্রতগতিতে এগিয়ে চলল তারা।

-খাঁড়াও! মাঝি চাঁপা গলায় বলে। সুতা মজুর চমকে থমকে দাঁড়ায়।

-কী হইল?

I. কোথায় গেলে তাঁদের আর ভয় থাকবে না?

- পাটুয়াটুলি।
- সাহেবগঞ্জের গঘাটে।
- বাদামতলির ঘাটে।
- চৌমাথার মোড়ে।

II. মন্তব্যঃ দুজনেই একবার থমকে দাঁড়াল।

কারণ- ক) পেছনে ঘোড়ার খুড়ের শব্দ উঠেছিল।

কারণ- খ) গলিতে কেউ ঘাপটি মেরে ছিল।

- কারণ ক ও খ দুটোই ঠিক।
- কারণ ক ও খ দুটোই ভুল।
- কারণ ক ঠিক খ ভুল।
- কারণ ক ভুল খ ঠিক।

III. সুতা মজুর চমকে গিয়েছিল। কারণ-

- কেউ তাঁদের পিছু নিয়েছিল।
- অশ্বারোহী তাঁদের দেখে ফেলেছিল।
- ঘাটে কোনো নৌকা ছিল না।
- মাঝি হঠাৎ দাঁড়াতে বলেছিল।

IV. “অশ্বারোহী” শব্দের সন্ধি করলে হবে-

- অশ্ব + আরোহী
- অশ্বা + আরোহী
- অশ্ব + আরোহি
- অশ্ব + রোহী

Section-B: Grammer

2. সন্ধিযুক্ত ও সন্ধি বিচ্ছেদ কর (যে কোনো চারটি)

(1x4=4)

- | | | |
|--------------|-------------|---------------|
| a. নৌ + ইক্ | b. সতী + ঈশ | c. রবি + ইন্দ |
| d. স্বাধীনতা | e. অপেক্ষা | f. যতীন্দ্র |

3. নির্দেশ অনুসারে বাক্য পরিবর্তন কর (যে কোনো তিনটি)

(1x3=3)

- অন্যের ক্ষতি করা অনুচিত। (না-বাচক বাক্য)
- দৃশ্যটি কম অদ্ভুত নয়। (বিস্ময়সূচক বাক্য)
- সবাই কাছাকাছি ঘেঁষে থাকো। (নির্দেশক বাক্য)

d. সুখী হও। (প্রার্থনাসূচক বাক্য)

4. ব্যাসবাক্যসহ সমাস নির্ণয় কর (যে কোনো তিনটি)

(1x3=3)

a. অন্তহীন

b. উচ্চশির

c. পঞ্চবটী

d. একতারা

5. বাক্যগত ও শব্দগত অশুদ্ধি সংশোধন থেকে সঠিক উত্তরটি নির্বাচন কর (যে কোনো তিনটি) :

(1x3=3)

a. নাটক অভিনয় হবে। - বাক্যটি শুদ্ধ রূপ নীচের কোনটি?

a) নাটক অভিনয় করা হবে।

b) নাটক অভিনীত করা হবে।

c) নাটক অভিনীত হবে।

d) নাট্য অভিনয় করা হবে।

b. নীচের কোনটি শুদ্ধ বানান?

a) তুরকি

b) তুড়কি

c) তুরকী

d) তুড়কী

c. তোমাকে সাঁপেছি আমার জীবন। - বাক্যটি শুদ্ধ রূপ নীচের কোনটি?

a) তোমাকে দিয়েছি আমার জীবন।

b) তোমায় সমর্পিত আমার জীবন।

c) তোমাতে সমর্পিত আমার জীবন।

d) তোমাকে সমর্পণ করেছি আমার জীবন।

d. নীচের কোনটি শুদ্ধ বানান?

a) রজকী

b) রজকিনী

c) রজকি

d) রজোকিনী

Section-C: Main Course Book & Supplementary Reader / Non-detailed Text:(MCQ)

5. পাঠ্য গদ্য থেকে প্রদত্ত প্রশ্নগুলির সঠিক বিকল্প উত্তরটি নির্বাচন করে লেখঃ (যে কোনো ছয়টি)

1x6=6

a. “এখন তুমি নিজের কাজে মন দাও গে।” - এখানে ‘তুমি’ কে?

a) মিস নোবল্।

b) ফটিক।

c) বিশ্বম্ভরবাবু।

d) স্টার্ডির।

b. কুবেরের ভান্ডারের ধন দিয়েও যা পাওয়া যায় না, সেটি কী?

a) স্নেহ মমতা।

b) ক্ষমা।

c) সত্য।

d) স্নেহ মমতা ক্ষমা।

c. বেণুড় মঠ স্থাপনে অর্থ সাহায্য করেন-

- মিস মুলার।
- মিঃ স্টার্ডি।
- মিস ম্যাকলাউড।
- মিসেস সেভিয়ার।

d. “তাহার মা অগ্নিমূর্তি হইয়া কহিলেন।”- বক্তা কাকে দেখে অগ্নিমূর্তি হয়েছিলেন?

- বিশ্বম্ভরবাবুকে দেখে।
- মাখনকে দেখে।
- ফটিককে দেখে।
- পুলিশ দেখে।

e. ‘দাম’ গল্পে সুকুমার বক্তৃতায় কার ১২টা উক্তি প্রয়োগ করেছিলেন?

- জর্জ বানার্ড শ।
- উইলিয়াম শেক্সপিয়ার।
- রবীন্দ্রনাথ ঠাকুর।
- প্লেটো।

f. মন্তব্যঃ স্বামী বিবেকানন্দের মতে মিস নোবলের পক্ষে ভারতে কাজ করতে বহু বাধা বিদ্য আছে।

কারণ- ক) ভারতে দুঃখ, কুসংস্কার, দাসত্ব সীমাহীন।

কারণ- খ) শ্বেতাঙ্গরা নোবলকে অহংকারী মনে করবে ও তাকে এড়িয়ে চলবে।

কারণ দুটিকে ঠিক অথবা ভুল হিসেবে চিহ্নিত করো।

- কারণ ক ও খ দুটোই ঠিক।
- কারণ ক ও খ দুটোই ভুল।
- কারণ ক ঠিক খ ভুল।
- কারণ ক ভুল খ ঠিক।

g. “সেই লেখার কথা ভুলে গেলাম।” -কোন লেখার কথা বলা হয়েছে?

- বিবেকানন্দের চিঠি।
- ফটিকের মামার চিঠি।
- পত্রিকায় গল্প লিখন।
- বক্তৃতা।

6. আম আঁটির ভেঁপু থেকে প্রদত্ত প্রশ্নগুলির সঠিক বিকল্প উত্তরটি নির্বাচন করে লেখঃ (যে কোনো চারটি)

1x4=4

a. হরিহর সংসার খরচের জন্য কত টাকা পাঠিয়েছিল?

- চার টাকা।
- সাত টাকা।
- পাঁচ টাকা।
- দশ টাকা।

b. কার যোগাযোগে কৃষ্ণনগরে হরিহরের কাজ জুটেছিল?

- চৌধুরী মহাশয়।
- রক্ষিত মহাশয়।
- গঙ্গুলি মহাশয়।

iv. ভট্টাচার্য মহাশয়।

c. মন্তব্যঃ যতই ষাওয়ার দিন কাছে আসিয়া পড়িতেছে, ততই আসন্ন বিরহের গভীর ব্যথায় তাহার মনের সুরটি করুণ হইয়া বাজিতেছে।

কারণঃ অপু তার বাবা মায়ের ইচ্ছেতে তার গ্রাম এই নিশ্চিন্দিপুর ছেড়ে চলে যাচ্ছে।

i. মন্তব্য সঠিক কারণ ভুল।

ii. মন্তব্য ও কারণ উভয় ভুল।

iii. মন্তব্য ভুল কারণ সঠিক।

iv. মন্তব্য ও কারণ উভয় সঠিক।

d. “আজ কিন্তু সত্য সত্যিই ছাড়াছাড়ি হইয়া গেল।” -কার সাথে সত্যি সত্যি চিরকালের মত ছাড়াছাড়ি হয়ে গেল?

i. নিশ্চিন্দিপুর।

ii. দুর্গা।

iii. পৈতৃক ভিটে।

iv. গ্রামের মানুষদের।

e. নিশ্চিন্দিপুর গ্রামে সবথেকে বড়লোক কে?

i. সুলদা রায়।

ii. অন্নদা রায়।

iii. জ্ঞানদা রায়।

iv. প্রসন্ন রায়।

f. ও বেলায় দুর্গা পটলিদের বাগান থেকে কোন আম এনে দেবে বলেছিল??

i. সিঁদুরতলি।

ii. চালতেতলি।

iii. কাঁকড়তলি।

iv. কাঁঠালতলি।

Section-C: Main Course Book & Supplementary Reader / Non-detailed Text:

7. "আমার ছাত্র আমাকে অমর করে দিয়েছে।" -কে কীভাবে বক্তাকে অমর করে দিয়েছে গল্প অনুসারে লেখ। 2

8. "উৎসাহে তাহার রাত্রে নিদ্রা হয় না।"- উদ্ভিষ্ট ব্যক্তির পরিচয় দিয়ে কোন উৎসাহে তাঁর রাতে ঘুম আসেনি তা লেখ? 3

Or,

"স্কুলে কী বিভীষিকাই যে ছিলেন ভদ্রলোক।"-ভদ্রলোকের পরিচয় দিয়ে তার বিভীষিকার পরিচয় দাও।।

9. কোন বিশেষ প্রয়োজনে স্বামী বিবেকানন্দ মিস্ মুলারকে চিঠি লিখেছিলেন? 3

Or,

"বিধবা এ প্রস্তাবে সহজেই সম্মত হলেন।"-বিধবা কোন প্রস্তাবে কেনই বা রাজি হয়েছিলেন?

10. "মনে হল, নেহ, মায়ী মমতা ক্ষমার এক মহাসমুদ্রের ধারে এসে দাঁড়িয়েছি।"-কার কখন একথা মনে হয়েছিল? বক্তার এই উপলব্ধির দ্বারা বক্তার চরিত্রের যে দিকগুলি ফুটে উঠেছে তা আলোচনা কর। 5

Or,

মিসেস সেভিয়ারের পরিচয় দিয়ে স্বামী বিবেকানন্দ কেন তাঁকে নারীকূলের রত্নবিশেষ বলে আখ্যা দিয়েছেন তা আলোচনা কর।

11. সপ্রসঙ্গ ব্যাখ্যা লেখ:

5

"সে বন বিহগ কাঁদিতে জানে না, বেদনার ভাষা নাই,

ব্যাধের শায়ক বুকে বিধিয়াছে জানে তাঁর বেদনাই।”

“আমি কিছুই ছাড়ব না।”

Or,

12. “এই খেয়া চিরদিন চলে নদীস্রোতে।” -কোন প্রসঙ্গে কবি একথা বলছেন? এই খেয়া চলার আড়ালে কবি কী বলতে চেয়েছেন তা আলোচনা কর।

(2+3)

Or,

“বাঁচতে হবে বাঁচার মতন।”- কে কোথায় একথাগুলি বলেছেন? একথা বলার কারণ কী?

13. অপূর পাঠশালার গুরুমশাইয়ের নাম উল্লেখ করে পাঠশালাটির বর্ণনা দাও। অপূর প্রথম দিনের পাঠশালার অভিজ্ঞতাটি কেমন ছিল?

(2+3)

Or,

“একবার শিগগির আমাদের বাড়িতে আসতে বলো।” -কে কাকে কীজন্য আসতে বলেছিল? প্রসঙ্গ উল্লেখ করে এরপর কী ঘটেছিল তা বর্ণনা কর।

14. “ইহার পর হইতে অসম্ভবের দেশ, অজানার দেশ শুরু হইয়াছে।” -“ইহার পর” বলতে কী বোঝানো হয়েছে? “অসম্ভবের দেশ”, “অজানার দেশ” বলতে এখানে কী বলা হয়েছে?

(2+3)

Or,

“তাহার মন হঠাৎ হু হু করিয়া উঠিল।” - কোন প্রসঙ্গে একথা বলা হয়েছে? কেন তার মন হু হু করে উঠেছিল তা লেখ।

Section – D: Creative Writing

15. নিম্নলিখিত বিষয় অনুসারে বিজ্ঞপ্তি রচনা করঃ

6

আসন্ন আন্তর্বিদ্যালয় ফুটবল প্রতিযোগিতার জন্য বিদ্যালয়ের স্পোর্টস আধিকারিক হিসেবে একটি বিজ্ঞপ্তি রচনা কর।

Or,

তোমাদের বিদ্যালয়ের পক্ষ থেকে একটি বৃক্ষরোপণ কর্মসূচী পালন করা হবে। বিদ্যালয়ের সহসম্পাদক হিসেবে নবম ও দশম শ্রেণীর ছাত্র ছাত্রীদের উদ্দেশ্যে একটি বিজ্ঞপ্তি রচনা কর। বিজ্ঞপ্তিতে স্থান, সময়, তারিখ উল্লেখ করা আবশ্যিক।

16. নিম্নলিখিত বিষয় অনুসারে প্রতিবেদন রচনা করঃ

6

দ্বিশতবর্ষের আলোকে সুকুমার রায়।

Or,

তোমাদের বিদ্যালয়ে সাড়ম্বরে পালিত হল ‘বিজ্ঞান চেতনা দিবস’।



Delhi Public School, Howrah

PERIODIC ASSESSMENT III - (2024-2025)

PRACTICAL PAPER

Class-IX

SUBJECT: INTRODUCTION TO FINANCIAL MARKET (CODE-405)

Time: 1 Hour

F.M. - 50

-
- | | |
|---|------|
| 1. <u>SKILL COMPETENCY BASED QUESTIONS THROUGH LAB ACTIVITIES: -</u> | [30] |
| a) Open your account in NSE smart Trading Simulator. | |
| b) Start and complete Level 03 (Lesson 3,4) from Numeric Speed Accelerator. | |
| 2. Viva Voce | [5] |
| 3. Project file/Practical file | [15] |



Delhi Public School, Howrah

PERIODIC ASSESSMENT III - (2024-2025)

Class-IX

Care must be taken not to write anything on the question paper. All the questions must be attempted in the correct sequence.

SUBJECT: INTRODUCTION TO FINANCIAL MARKETS (CODE - 405)

Time Allowed: - 2 Hours


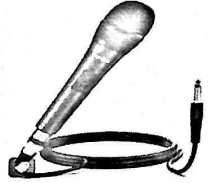

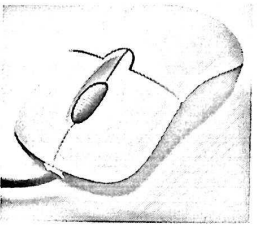
Maximum Marks - 50

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 is NOT a factor affecting Perspective in communication? a) Past experience b) Prejudice c) Language d) Gender	1
ii.	Identify a disadvantage of verbal communication from the following: a) It is slow and time-consuming. b) It does not involve direct interaction. c) Cultural differences may cause misunderstandings. d) It is unsuitable for exchanging ideas.	1
iii.	Which of these is not an appropriate non-verbal communication at work? a) Putting arm around a coworker's shoulder b) Shaking hands firmly c) Looking at the speaker with a smile d) Standing with an upright posture	1

iv.	<p>There is a talent contest in your town. For participating in the audition, you have to send a recording of a song. What would you connect to your computer to record your song?</p> <p>a) </p> <p>b) </p> <p>c) </p> <p>d) </p>	1
v.	<p>Read the following statements carefully: Statement I: Strength and weakness analysis starts with knowing yourself. Statement II: Being self-aware is only about knowing your qualifications and relationships. In the light of given statements, choose the correct alternative from the following:</p> <p>a) Both the statements are true. b) Both the statements are false. c) Statement I is true, Statement II is false. d) Statement II is true, Statement I is false.</p>	1
vi.	List down two functions of internet browser.	1
Q. 2 Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)		
i.	<p>Which of the following is a characteristic of speculation?</p> <p>a) High certainty of outcomes b) Minimal market risks c) Focus on short-term price changes d) Guaranteed returns</p>	1
ii.	<p>Which of the following is an asset for investment?</p> <p>a) Share warrant b) ETF c) GDR d) All of the above.</p>	1
iii.	<p>A systematic investment plan allows an investor to:</p> <p>a) Invest a fixed amount at regular intervals b) Invest a lump sum only once c) Withdraw funds weekly d) Avoid market fluctuations entirely</p>	1
iv.	How does SIP benefit investors?	1

v.	Savings is the activity of setting aside a part of _____ for further use. a) Investment b) Cash c) Income d) life	1
vi.	"Time value of money is a concept that addresses the way the value of money changes over a period of time" Validate.	1

Q.3	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)	
i.	Mr. Rohan is a salaried individual who wants to open a bank account to deposit his monthly salary and withdraw as needed. Which type of bank account is most suitable for him? a) Fixed Deposit Account b) Current Account c) Savings Account d) Recurring Deposit Account	1
ii.	"A Goal settlement should consist of 5 key elements" Mention the five key element properly.	1
iii.	What are the different types of interests calculated for the investment?	1
iv.	A company maintains a current account with XYZ Bank. One day, they deposited ₹5,00,000 but need to withdraw ₹7,00,000 immediately to meet a payment obligation. Which feature of the current account allows the company to withdraw more than the deposited balance? a) Interest earning on deposits b) Overdraft facility c) No minimum balance requirement d) Daily withdrawal limit	1
v.	If a cheque is dishonored due to insufficient funds, the bank will: a) File a criminal case against the payee b) Return the cheque to the payee with a dishonor note c) Deduct a penalty from the drawer's account d) Automatically clear the cheque once funds are available	1
vi.	_____ is a mandatory requirement for opening a current account in a bank. a) Submission of PAN or Form 60 b) Minimum deposit of ₹1,00,000 c) Proof of salary d) Completion of a fixed tenure with the bank	1

Q.4	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)	
i.	Which of the following best defines a budget? a) A forecast of income and expenditure for a specific period b) A legal document outlining government policies c) A report of past financial transactions d) A list of all financial assets owned by a business	1
ii.	Highlight the role of compounding in the effectiveness of the "Rule of 72."	1
iii.	Elucidate the term P.Y.F.	1

iv.	Identify the correct statement that highlights the benefit of financial planning for investors. a) Financial planning eliminates all investment risks. b) It ensures timely investment returns without market fluctuations. c) It helps investors achieve their financial goals by allocating resources effectively. d) Financial planning is only useful for large-scale investors.	1
v.	A business uses financial planning to maintain adequate liquidity and ensure smooth functioning of operations. This highlights financial planning as a benefit for: a) Creditors b) Employees c) The government d) The business itself	1
vi.	Priya wants to save a fixed amount every month and earn interest on it for a specific period to meet her future financial goal. What type of account should she open? a) Current Account b) Savings Account c) Recurring Deposit Account d) Fixed Deposit Account	1

Q.5	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)	
i.	Which of the following quality is the most important when setting a financial goal? a) Being ambitious b) Being vague c) Being specific d) Being flexible	1
ii.	"Goals which you want to achieve is to be specific" Validate.	1
iii.	Write a short note on Variable expenses.	1
iv.	Rahul runs a grocery store. Instead of exchanging goods for goods, he accepts money from customers and uses it to purchase other products he needs. Which function of money is primarily being demonstrated here? a) Medium of exchange b) Store of value c) Unit of account d) Standard of deferred payment	1
v.	Ramesh takes a loan of ₹1,00,000 from the bank to buy a car. The agreement states that he will repay the amount over 5 years. Which function of money does this situation represent? a) Unit of account b) Standard of deferred payment c) Medium of exchange d) Store of value	1
vi.	Which of the following is NOT a characteristic of a well-set financial goal? a) Specific b) Ambitious c) Time-bound d) Flexible	1

SECTION B: SUBJECTIVE TYPE QUESTIONS

Answer any 3 out of the given 5 questions on Employability Skills (2 x 3 = 6 marks) Answer each question in 20 – 30 words.

Q. 6	What can you do to get rid of negative thoughts or feelings?	2
Q. 7	Write a short note on the factors influencing self-management.	2
Q. 8	Differentiate between web page and web browser in short?	2
Q. 9	State any two importance of non-verbal communication.	2
Q. 10	Identify and compose different types of sentences.	2

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

Q. 11	Explain the term 'Division of labour', and how it is used in modern society?	2
Q. 12	Riya received a cheque from her employer, but the date on the cheque was a future date. Explain what this type of cheque is called and whether Riya can encash it immediately.	2
Q. 13	Why a passbook is considered an essential document for a bank depositor?	2
Q. 14	Ravi is deciding whether to buy a new smartphone or pay for his monthly groceries. Explain the difference between needs and wants and identify which category each item falls into.	2
Q. 15	Why is it important for goals to be specific, and what does it mean to clearly define what you want to achieve?	2
Q. 16	Distinguish between debit card and credit card.	2

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

Q. 17	Rohit is comparing the prices of two mobile phones. He notices that one costs ₹20,000 while the other is priced at ₹25,000. Explain how the standard of value function of money helps Rohit in making this comparison.	4
Q. 18	Describe the following steps involved in creating a comprehensive financial plan. a) Setting Goal b) Analyzing information	4
Q. 19	Explain the steps involved in building your own budget.	4
Q. 20	Discuss any four features of electronic banking and explain how it benefits customers.	4
Q. 21	Explain any four key differences between savings and investment.	4



Delhi Public School, Howrah

PERIODIC ASSESSMENT III - (2024-2025)

Class-IX

Care must be taken not to write anything on the question paper. All the questions must be attempted in the correct sequence.

SUBJECT: MARKETING AND SALES (CODE - 412)

Time Allowed: - 2 Hours

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.	Why is it important for a communicator to be 'Courteous' in their message? A) To ensure the message is well-received and respectful B) To make the message longer and more detailed C) To ensure the message is formal and rigid D) To make the message more complex	1
ii.	If your interests do not match your abilities, what should you do? A) Ignore your interests B) Focus only on what you're interested in, regardless of abilities C) Work on improving your abilities or pursue another path D) Stop working on your abilities	1
iii.	Which of the following is a factor that can affect perspectives in communication? A) Speed B) Language C) Price D) Volume	1

iv.	Rahul gets feedback on his project work from his class teacher. Which of these options demonstrates a positive attitude in this situation? A) Rahul ignores the feedback. B) Rahul takes the feedback but does not use it. C) Rahul tells others that the teacher is wrong. D) Rahul learns from the feedback and makes his project work better.	1
v.	What will you do in order to zoom out on a mobile screen? A) Tap B) Pinch C) Swipe D) Double-tap	1
vi.	How does entrepreneurship contribute to economic development? A) By reducing the number of businesses in the economy B) By creating better and cheaper products, leading to business growth and increased money circulation C) By focusing only on local markets without any expansion D) By reducing competition in the economy	1
Q.2	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)	
i.	What is a 'ready-to-buy customer'? A) A customer who is just browsing or gathering information. B) A customer who has a sense of urgency and knows what they need to buy. C) A customer who buys impulsively. D) A customer who always looks for discounts before making a purchase.	1
ii.	Which of the following is a characteristic of loyal or repeat customers? A) They buy products only when there is a sale. B) They are occasional buyers who do not return. C) They buy products or services regularly and are satisfied with the company. D) They only purchase products after extensive research.	1
iii.	Which of the following is NOT a factor influencing buyer behaviour? A) Psychological factors B) Social factors C) Environmental factors D) The weather at the time of purchase	1

iv.	Which phase of buyer behavior focuses on the experience a buyer has after using the product or service? A) Acquisition phase B) Consumption phase C) Disposition phase D) Evaluation phase	1
v.	What is an example of an impulse buying customer? A) A person who plans to buy a laptop after checking various online reviews. B) A customer who buys a snack after being impressed by the display in a store. C) A person who only purchases items during a sale. D) A customer who buys a product for the purpose of reselling it.	1
vi.	Which of the following is an innate need? A) Need for social status B) Need for food C) Need for esteem D) Need for self-actualization	1

Q.3	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)	
i.	Which of the following is a type of selling that involves building long-term relationships with customers? A) Direct Selling B) Relationship Selling C) Team Selling D) Partnership Selling	1
ii.	Which of the following is NOT typically involved in the selling process? A) Generating demand for the product B) Handling objections from customers C) Public relations and advertising D) Delivering the product and collecting payment	1
iii.	The scope of selling includes which of the following? A) Creating advertisements for the product B) Generating sales and providing customer services C) Managing human resources D) Planning product development	1
iv.	Which of the following is NOT a condition for a transaction to be called an exchange? A) There must be at least two persons. B) Both parties should be free to accept or reject the offer. C) The buyer must have money to offer. D) Each party must have something of value to offer.	1
v.	Which of the following is an example of a demographic market? A) Wholesale cloth market B) Children's wear and toys market C) Jewellery store D) Discount store	1
vi.	Market segmentation is the process of: A) Dividing the market based on customer income. B) Dividing the market into smaller subsets of customers who share similar product needs. C) Identifying the most profitable market. D) Selling the same product to all customers.	1

Q.4	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)	
i.	Which of the following products is aimed at the low-income group in the soap industry? A) Luxury soap like Dove B) Industrial soap C) Low-grade toilet soap like Lifebuoy D) Laundry soap like Surf	1
ii.	Which of the following is NOT a characteristic of virtual markets? A) Products are delivered to the buyer's home. B) Transactions happen online without physical interaction. C) Buyers meet the sellers in person before purchasing. D) Payments can be made through debit/credit cards.	1

iii.	What should a businessman do when facing intense competition? A) Ignore competitors and focus solely on price reduction. B) Change their business strategy and look for unique ways to stand out. C) Follow competitors blindly without changing their approach. D) Focus on creating rumors to mislead competitors.	1
iv.	What is a key challenge a businessman faces when a new competitor enters the market? A) The business will automatically gain more customers. B) Profits may decrease, and there will be increased pressure to promote the business. C) The competitor will fail immediately due to lack of experience. D) The market will become less competitive.	1
v.	How does competition benefit consumers? A) It results in fewer product choices and higher prices. B) It allows consumers to choose products at affordable prices from different companies. C) It limits the number of companies selling similar products. D) It reduces the quality of products.	1
vi.	Which of the following strategies could help a business stay ahead of the competition? A) Offering the same product at a lower price than competitors. B) Focusing on a unique angle or niche in the market. C) Ignoring customer feedback. D) Copying competitors' strategies without differentiation.	1

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

i.	Which of the following is the focus of the product concept in marketing? A) Customer needs and wants B) Aggressive selling techniques C) High-quality products at reasonable prices D) Social welfare and consumer satisfaction	1
ii.	Which of the following is a key aspect of the marketing concept? A) Product quality alone ensures customer satisfaction B) Organizations should focus solely on selling and promotion C) Understanding and fulfilling customer needs is essential for success D) Consumers are not important in the marketing process	1
iii.	Which marketing concept assumes that consumers will not buy unless they are convinced through selling efforts? A) Product concept B) Selling concept C) Marketing concept D) Social marketing concept	1
iv.	Which of the following is an example of a product that would be marketed using the selling concept? A) High-end smartphones B) Vacuum cleaners C) Basic household items D) Fresh food products	1

v.	Marketing helps to stabilize the economy by: A) Reducing competition in the market B) Balancing the supply and demand for products and services	1
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	C) Focusing only on selling techniques D) Ignoring consumer preferences	
vi.	Which concept emphasizes the importance of gaining customer loyalty and fulfilling their needs most effectively and efficiently? A) Product concept B) Selling concept C) Marketing concept D) Social marketing concept	1

SECTION B: SUBJECTIVE TYPE QUESTIONS

Answer any 3 out of the given 5 questions on Employability Skills (2 x 3 = 6 marks). Answer each question in 20 – 30 words.

Q. 6	What role does self-reflection play in developing a positive attitude?	2
Q. 7	How can negative thinking be replaced with positive thinking?	2
Q. 8	How does a tablet help with activities like reading a book?	2
Q. 9	Do you have any ideas or have you seen any opportunity in your surroundings that you can use to start a business?	2
Q. 10	How do entrepreneurs contribute to economic growth?	2

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

Q. 11	Distinguish between customer and buyer.	2
Q. 12	How do perceptions influence consumer behavior?	2
Q. 13	How do personal factors like age impact buying decisions?	2
Q. 14	Explain in detail the scope of selling.	2
Q. 15	Why is it important for businesses to understand their competitors in the market?	2
Q. 16	Differentiate between personal consumer and organizational consumer.	2

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

Q. 17	Explain the role of social factors, such as reference groups, family, and social status, in influencing buyer behavior.	4
Q. 18	XYZ Electronics is launching a new smartwatch designed to appeal to both tech-savvy users and fitness enthusiasts. The product includes advanced health monitoring features, long battery life, and a sleek design. However, the company has noticed that the smartwatch market is highly competitive, with several established brands already dominating the space. As part of its strategy, XYZ Electronics wants to use different selling tasks to reach potential customers. The company has decided to assign specific sales personnel to different regions and product categories, each with varying approaches based on customer needs and expectations. a) Identify the different types of selling tasks XYZ Electronics is using in the launch of the smartwatch. b) Explain why XYZ Electronics has chosen specific selling tasks for different regions and customer groups.	4

Q. 19	Explain the psychological factors that influence buyer behavior.	4
Q. 20	Analyse the key characteristics of services. How do they differentiate services from physical products?	4
Q. 21	Explain the concept of utility and how it influences consumer choices.	4



Delhi Public School, Howrah

PERIODIC ASSESSMENT III (2024-2025)

Class-IX

Care must be taken not to write anything on the question paper. All the questions must be attempted in the correct sequence.

SUBJECT: ARTIFICIAL INTELLIGENCE (SUBJECT CODE 417)

PRACTICAL EXAMINATION

Time:-2 Hours

F.M.-50

General Instructions:

1. Please read the instructions carefully.
2. This Question Paper is divided into 02 sections, viz., Section A and Section B.
3. Section A is of 15 marks and is based on the practical activity.
4. Section B is of 35 marks and is based on the Practical File, Project and Viva-Voce.

SECTION A (15 marks)

1. Write and execute the following programs with appropriate output in Python.
 - a. Write a program to read marks of three subjects from the user and display the total and the average marks. (2)
 - b. Write a program to calculate the volume and surface area of a cuboid. Length, breadth and height to be taken as input from the user. (2)
(Hints: surface area= $2*((l*b) + (b*h) + (h*l))$, volume= $l*b*h$)
 - c. Write a script and draw a its equivalent flowchart to find the largest number among three user given numbers. (2+2)
 - d. Write a program and construct its equivalent flowchart to print the sum of all "n" natural numbers. (2+2)
(The value of "n" will be taken from the user.)
 - e. Write a program to check whether the string is a palindrome or not. (3)

SECTION B (35 marks)

1. Practical File (15)
2. Project (15)
3. Viva Voce (5)



Delhi Public School, Howrah

PERIODIC ASSESSMENT III (2024-2025)

Class – IX

Care must be taken not to write anything on the question paper. All the questions must be attempted in the correct sequence.

SUBJECT: ARTIFICIAL INTELLIGENCE (SUBJECT CODE 417)

THEORY EXAMINATION

Time Allowed: -2 Hours

F.M.-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.	Choose the self-management skill that involves maintaining cleanliness, health and smart appearance. a) Self-awareness b) Self-motivation c) Personal hygiene and grooming d) Positive thinking	(1)
ii.	When we discuss about the role of Entrepreneurship, there is potential for increase in large-scale employment opportunities with increase in entrepreneurial activity. As more enterprises, offices, factories, businesses, trading entities etc. are set up, numerous job opportunities are created for skilled, unskilled and unemployed people, especially in developing countries. What kind of Role is this? a) Capital Formation b) Employment generation c) Value Creation d) Wealth Distribution	(1)
iii.	HTML is used to create _____. a. Machine Language program b. High Level Program c. Web Pages d. Web server	(1)
iv.	Which of the following actions aligns with the concept of "Reduce" in waste management? a) Avoiding disposable items and plastic bags b) Using materials for making pillow covers c) Recycling kitchen wet waste into compost d) Refurbishing electronics and using them	(1)

v.	Ginny is a new student in the class who has come from Assam to Delhi. He is feeling shy to interact with the other students in the class. Which factor is influencing such behavior in him? a. Physical Factor b. Social Factor c. Cultural factor d. Environmental Factor	(1)
vi.	Shubham wants to take the backup of a very important file. Which portable storage device should he use for the same? a. Blue-ray disc b. Pen drive c. CD d. RAM	(1)

Q. 2	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)	
i.	The _____ is a subset or branch of AI that helps to train the machine and produces results. a. Machine Learning b. Deep Learning c. Automation d. Robotics	(1)
ii.	State whether the following statement is TRUE or FALSE. State the correct statement if false: In a rule based model, the data is usually fed by the developer.	(1)
iii.	_____ are tools that follow a rule-based approach that uses a hierarchical model of decisions and their possible consequences. a) Data wrapper b) Decision trees c) AI Modeling d) Data Modeling	(1)
iv.	A _____ is a technique to build an intelligent application that simulates the way a human brain processes, learns and remembers information. a. Neural Network b. Natural Language Generation c. Natural Language Processing d. Computer Vision	(1)
v.	Read the examples given below- I. Using Chat GPT to write an email II. Face unlock technology of mobile phones using camera III. Turning off lights with IoT device IV. Hand sanitizer dispenser having sensor Choose the options that are not AI based a. I and II b. III and I c. III and IV d. I, III and IV	(1)
vi.	Which feature in virtual assistants like Alexa or Google Assistant uses Natural Language Processing (NLP) to understand voice commands? a. Text-to-speech b. Speech recognition c. Image recognition d. Predictive analytics	(1)

Q. 3	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)	
i.	_____ -based system is also known as an adaptive intelligent system because it can learn on its own by adapting to the new data which is flowing in.	(1)
ii.	The summary of 4Ws canvas is known as _____. a. Problem Analysis Template b. Problem Scoping Template c. Problem Statement Template d. Problem Solution Template	(1)
iii.	Which of the following elements is not a part of sustainable development? a. Society b. Environment c. Ecology d. Ecosystem	(1)
iv.	Which of the following is not a source of AI bias? a. Data b. People c. Algorithm d. Robot	(1)
v.	Domain in which images and videos are provided as input is _____. a. NLP b. CV c. Data d. Machine Learning	(1)
vi.	State whether the following statement is TRUE or FALSE. State the correct statement if false: AI can be used for children to uphold child rights.	(1)

Q. 4	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)	
i.	Navigation Apps use AI for suggesting _____ and live traffic updates.	(1)
ii.	Which of the following AI model gets trained on the data fed to it and then is able to design a model that is adaptive to change in data? a. Rule based b. Learning based c. Machine learning d. Deep learning	(1)
iii.	_____ algorithm predicts the output values based on input features from the data fed in the system. a. Regression b. Clustering c. Classification d. Deep Learning	(1)
iv.	A neural network is the complex structure in AI system which is made up of artificial _____. a. Brain b. Neurons c. Nucleus d. Axon	(1)
v.	A predetermined approach is also known as _____. a. Change-driven approach b. Flexible approach c. Plan-driven approach d. Data validation	(1)
vi.	A _____ can be defined as a set of inputs and outputs required to achieve a predetermined or specific goal. a. Project b. Formula c. Task d. Planning	(1)

Q. 5	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)	
i.	Facebook uses _____ algorithms to recommend suggestions automatically.	(1)
ii.	State whether the following statement is TRUE or FALSE. State the correct statement if false: Prevention loop is an extension of the recommendation and automation loops.	(1)
iii.	_____ is responsible to analyze data for the prediction of future market trends. a. Data Scientist b. Machine Learning Engineer c. Business Intelligence Developer d. Data Mining Engineer	(1)
iv.	The fourth wave of AI is also known as _____ AI that will integrate everything and enhance the capability of machines to sense and respond to the world around them. a. Internet b. Business c. Perception d. Autonomous	(1)
v.	_____ has caused maximum impact in Business, Banks, Aviation, E-Commerce, Automobile and Healthcare industries.	(1)
vi.	_____ is one of the most prominent industries that use AI technology to improve the strategic aspects of games. a. Banking industry b. Gaming industry c. Entertainment industry d. E-commerce industry	(1)

SECTION B: SUBJECTIVE TYPE QUESTIONS

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

Answer each question in 20 – 30 words.

Q. 6	Feedback is the final component and one of the most important factors in the process of communication. Give two reasons to justify why feedback is important.	(2)
Q. 7	What do entrepreneurs do when they run their business? Mention any two points.	(2)
Q. 8	You have a Gardener coming at your place on weekends to take care of plants in your garden. How can you help him implement green skills?	(2)
Q. 9	How can Sharmila speed up her computer system, given that she has been using it for more than two years, and now it has become slow and sluggish?	(2)
Q.10	Manish got admission to a new school. His clothes were not clean, his shoes were not polished, and his laces were not tied. He did not smile at anyone and looked sad. He did not look confident. What are the qualities of self-management that you think are missing in Manish?	(2)

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

Q.11	"Data feature plays an important role while visualizing data". Explain data visualization in your own word from the given context.	(2)
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Q.12	"The concept of neural network has been widely used in pattern recognition and classification", Explain.	(2)
Q.13	Automation of jobs can lead to future job loss, insecurity and income inequality". Which ethical concerns related to implication of Artificial Intelligence system has been discussed here?	(2)
Q.14	Shilpa, a marketing manager is working in a large e-commerce company. She wants to use AI technology to personalize product recommendations for customers. However, she is facing several challenges regarding the same. What are the two major obstacles she is likely to encounter?	(2)
Q.15	Name at least four companies which usually hire computer engineers for AI roles.	(2)
Q.16	Biswajit wants to interact with Amazon's Echo. However, he doesn't know how the interaction takes place? Can you help him to do the same.	(2)

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

Q.17	Riya's teacher has asked her to list the role of Artificial Intelligence in achieving Sustainable Development Goal 6 (sustainable management of water and sanitation for all). Can you help her do the same?	(4)
Q.18	"A smart citizen is needed as the main driving force behind digital products that will produce a vast change in the field of AI technology." Comment.	(4)
Q.19	Ranvir's teacher gave him an assignment to prepare a presentation on the topic: "Learning- based approach is more powerful than rule-based approach". While preparing the assignment, he needs to add some points explaining the statement. Can you help him in preparing the assignment by suggesting some points?	(4)
Q.20	Mainak wants to know about the difference between Supervised and Unsupervised Learning. Can you help him by suggesting at least four differences between these two?	(4)



Delhi Public School, Howrah

PERIODIC ASSESSMENT – III (2024-2025)

CLASS-IX

Care must be taken not to write anything on the question paper. All the questions must be attempted in the correct sequence.

SUBJECT: INFORMATION TECHNOLOGY (SUBJECT CODE 402)

PRACTICAL EXAMINATION

Time:-2 Hours

F.M.-50

- **General Instructions:**
- Please read the instructions carefully
- This Question Paper is divided into 02 sections, viz., Section A and Section B.
- Section A is of 25 marks and is based on the practical activity.
- Section B is of 25 marks and is based on the Practical File and viva-voce.

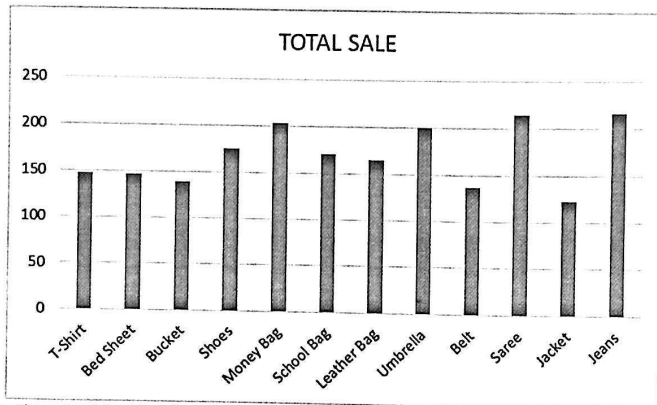
SECTION A (25 marks)

Q1. Prepare the table below in LibreOffice Calc and perform the following actions:

PRODUCT SELL REPORT								
Name of the Product	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	TOTAL SALE	UNIT PRICE	TOTAL PRICE
T-Shirt	30	33	10	29	45	147	543	79821
BedSheet	21	34	29	16	46	146	1023	149358
Bucket	22	39	34	23	21	139	343	47677
Shoes	15	10	31	65	54	175	2100	367500
MoneyBag	20	29	68	75	11	203	200	40600
SchoolBag	16	11	91	43	10	171	850	145350
LeatherBag	21	48	43	21	32	165	2300	379500
Umbrella	31	27	85	9	49	201	650	130650
Belt	17	56	21	21	22	137	200	27400
Saree	33	28	65	11	78	215	2200	473000
Jacket	28	21	32	19	23	123	1800	221400
Jeans	39	43	34	43	58	217	970	210490

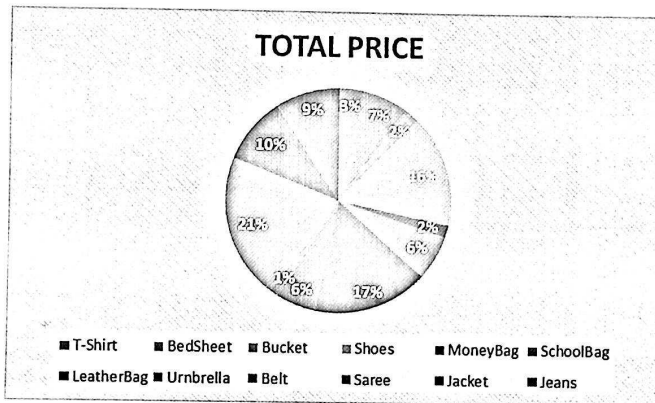
Minimum Sales	123	Maximum Sales	217
Minimum Total Price	27400	Maximum Total Price	473000

- Merge and Center the cell of Row 1 of the table and make the heading bold and underlined as shown above. Prepare the table with the above layout. (3)
- Insert a formula in the cell H5 to H16 that uses the SUM() function to display the total no of products for each category. (2)
- Place a suitable formula in D18 and D19 to display the Minimum Number of sales and Minimum Total Price as per the given table. (2)
- Place a suitable formula in F18 and F19 to display the Maximum Number of sales and Maximum Total Price as per the given table. (2)
- Use the AutoFill feature to generate the series of Serial No column before "Name of the Product column". (1)
- Make a chart for the above data for its pictorial representation and easy comparison. Generate a chart between two data series, Name of Products and Total Sale and design using chart title and axes-title as shown below. (2)



g. Make another chart for the above data for its pictorial representation and easy comparison. Generate a chart between two data series, Name of Products and Total Price and design using chart title and axes-title as shown below.

(2)



Q2. Make a presentation of 6 slides on "Importance of Time Management" in LibreOffice Impress with the following specifications:

- First slide should contain the name of student and roll number. Remaining slides must contain how time management involves a variety of practices and techniques that can help you be more productive and efficient.
- Create a layout (according to the topic) using slide master and apply it to your presentation.
- Apply Slide Transition and Animation.
- Add footer to show the date and time.

(3)

(1)

(1)

(1)

Q3. Write the steps for Q1. (a) and Q2(b) only.

(3+2)

SECTION B (25 marks)

1. Practical File

(10)

2. Viva Voce

(15)



Delhi Public School, Howrah

PERIODIC ASSESSMENT III (2024-2025)

Class – IX

Care must be taken not to write anything on the question paper. All the questions must be attempted in the correct sequence.

SUBJECT: INFORMATION TECHNOLOGY (SUBJECT CODE 402)
THEORY EXAMINATION

Time Allowed: -2 Hours

F.M.-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.
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 - i. This section has 05 questions.
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 - 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 is the correct sequential order of communication cycle? (a) Sender, Decoding, Message, Encoding, Receiver, Feedback (b) Receiver, Decoding, Message, Encoding, Sender, Feedback (c) Sender, Message, Encoding, Receiver, Decoding, Feedback (d) Sender, Encoding, Message, Decoding, Receiver, Feedback	(1)
ii.	What should be the qualities of an entrepreneur? (a) Decision-making skills (b) Risk-taking (c) a and b both (d) Rigidity	(1)
iii.	Meera is always punctual at school. She has a regular schedule that she follows every day. Kalpana usually arrives late to school. She does not submit her assignments on time. She sometimes forgets the main task. Which skill is highlighted in the above story? (a) Self-Management (b) Self-Confidence (c) Self-happiness (d) Self-Independence	(1)
iv.	Which of these is not an appropriate non-verbal communication at work? (a) Putting arm around a coworker's shoulder. (b) Shaking hands firmly.	(1)

	(c) Looking at the speaker with a smile. (d) Standing with an upright posture.	
v.	Despite having a flat foot, Dipa Karmakar became the first Indian female gymnast who took part in the Olympics. It is an example of her _____. (a) Time management (b) Self awareness (c) Self-confidence (d) All of the above	(1)
vi.	Experiment with different idea is the quality related to _____. (a) perseverance (c) trial and error (b) confidence (d) creativity	(1)

Q. 2	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)	
i.	In a computer system, _____ specify what operations need to be performed on the data. (a) Internet (b) Information (c) Process (d) Instruction	(1)
ii.	Rohit had written a paragraph with an address and accidentally deleted it. Which command or shortcut key will he use to get the deleted address back?	(1)
iii.	Saumya has prepared a project for his school in a Word Processor. In his document, he wants all the sentences in the document to start with a capital letter. Which option of the word processor will he use to complete the task? (a) Toggle Case (b) Upper Case (c) Lower case (d) Sentence Case	(1)
iv.	A _____ is the key to a chart; it tells what colour or pattern corresponds to a specific piece of data. (a) Legend (b) Lines (c) Title (d) Chart Wall.	(1)
v.	Gautam has created a document on "Global Warming" consisting of around 500 pages in LibreOffice Writer. But he accidentally misspelt the word 'Global' as 'Global' throughout the document. Which feature of LibreOffice Writer should he use to rectify the problem without navigating through every page of the document?	(1)
vi.	Garima has created a document in Word Processor. She wants to select the whole text but her mouse is not working. Can you suggest her the shortcut key through which she can perform this task from the keyboard? (a) Ctrl+X (b) Ctrl+W (c) Ctrl+A (d) Ctrl+T	(1)

Q. 3	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)	
i.	Srijita's teacher asked her to practice the keystrokes of numeric keypad. She noticed that the keypad works in dual mode. Identify the key that helps in changing the mode from numeric to arrow keys: (a) Scroll Lock (b) Caps Lock (c) Num Lock (d) Alt Key	(1)
ii.	Sonia has to create a vital document for the management meeting and needs to be very particular regarding the selection of words. Which feature of LibreOffice Writer could she use as a word store?	(1)
iii.	If we move a cell containing a formula having reference to another cell in the worksheet. What will happen to the cell numbers used in the formula? (a) The cell row and columns are changed at destination. (b) The cell row change at destination. (c) The cell columns are changed at destination. (d) No change will occur.	(1)
iv.	The following are the various terms that may or may not be related to a word processor. List the terms that are not related to the word processor: i. Margin ii. Word wrapping	(1)

	iii. Spreadsheet iv. Text attributes v. Indentation vi. Slides (a) i, iii and iv (b) iv and v (c) vi only (d) iii and vi	
v.	You have to complete your Science and Math assignments, which contain many equations and formulas. By which feature of Writer can you easily complete your assignments?	(1)
vi.	Which of the following charts is not available in the LibreOffice Calc spreadsheet? (a) Line (b) Area (c) Bar (d) Circle	(1)

Q. 4 Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)		
i.	What is the option to print the document so that the height of the page is less than its width? (a) Landscape (b) Portrait (c) Indent (d) Tab setting	(1)
ii.	The _____ displays the address or the name of the active cell. (a) Name box (b) Address bar (c) Toolbar (d) Status bar	(1)
iii.	Under which menu will you get 'Go to page' option to jump to a particular page of a large document? (a) Insert (b) Edit (c) View (d) Text	(1)
iv.	Which among the following statement is not correct: 1. To activate auto spell check option, just click on the auto spell check icon on the standard toolbar. 2. A blue wavy underline appears on the misspelled word. 3. A dictionary has definitions, pronunciation and meaning but thesaurus has words with similar meaning and opposite meanings. (a) 1 and 2 (b) 1 and 3 (c) Only 1 (d) Only 2	(1)
v.	Which of the following option is used to print a chart? (a) Insert -> Chart (b) File -> View (c) File -> Print (d) View -> Chart	(1)
vi.	The final column of a worksheet in LibreOffice Calc is: (a) Z (b) AMJ (c) AZZ (d) ZZZ	(1)

Q. 5 Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)		
i.	MYRA group is having an annual meeting for discussing budgets for various purposes such as budget for advertising, CSR activities, in-house activities, and so on. There are about seven different types of budgets being prepared. To present them, the team manager wants that every presenter should use same design elements in their presentations. What is the best way to achieve this? (a) Use Slide Master (b) Use Presentation Template (c) Copy and save changes in every new presentation (d) Both 'a' and 'c'	(1)
ii.	What is the shape of the mouse pointer when drawing an image? (a) Pencil (b) White pointing arrow (c) Black plus (d) Black pointing arrow	(1)
iii.	An example of the mixed cell reference is: (a) =A6:B6 (b) \$A\$6:\$B\$6 (c) =SAS6:B6 (d) \$A6:B\$6	(1)
iv.	The thumb of the right hand is used to operate the _____. (a) Shift key (b) Ctrl key (c) Space bar (d) Enter key	(1)
v.	For each presentation to have its name, date and slide number on each slide, what is the best way to achieve this? (a) Type the slide name, data and slide number on each slide manually (b) Type the required details on one slide and paste manually on each slide (c) Use slide master and type the required details in slide footer (d) Both 'a' and 'b'	(1)

vi.	To select a new design for your presentation, you need to use command: (a) Format Page (b) Format Character (c) Format Slide layout (d) Format Slide Design	(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	Suppose you have received feedback on a recent test that needs improvement. How will you use self-awareness to assess your strengths and weaknesses and develop a plan for self-improvement?	(2)
Q. 7	Dhriti lives in a small village in Rajasthan. She noticed that all the women in her village were good at making paintings and handicraft products. She collected money and started a business. Dhriti would help the women to get material from cities and support them in making latest designs. She would then arrange for these paintings and handicraft products to be sold in big cities. How do you think Dhriti is helping her society as an entrepreneur?	(2)
Q. 8	Suppose your school is considering implementing a recycling program and you have been asked to lead this initiative. How can you apply your green skills to set up and manage an efficient school-wide recycling program, promoting recycling habits among students and staff?	(2)
Q. 9	Communication is the most important factor in various aspects of our lives, whether it involves relationships, work, education or personal development. Mention four key advantages of effective communication.	(2)
Q.10	The local community is considering adopting renewable energy sources and Yukti is passionate about raising awareness. State any two ways how you, as a community member, would assist Yukti in applying green skills to design an educational campaign, engaging residents and local businesses in adopting renewable energy practices.	(2)

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

Q.11	Why do we use Slides pane in LibreOffice Impress?	(2)
Q.12	Alishba visits a retail shop and buys some snacks and beverages. There is a 10% GST for each item. If the retail uses LibreOffice Calc for creating a bill, then what type of cell reference should he/she use to do calculations and why?	(2)
Q.13	What do you mean by text alignment in LibreOffice word processor?	(2)
Q.14	State the importance of Find & Replace feature in Writer.	(2)
Q.15	Riddhima wants to prepare a report. She wants to use content placeholder in her document. What is the use of Content placeholder in LibreOffice Impress?	(2)
Q.16	Formatting text and changing text style tools are essential for creating visually structured and professional-looking documents, presentations, or web pages. Explain the use of these two styles.	(2)

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

Q.17	Tanya is a bright student of Class IX. She went to Malaysia during her summer vacation. She wants to share information about different aspects of the country with her teachers and friends in an interesting manner. Help her to find steps to insert an image in a slide from gallery in Impress.	(4)
Q.18	Ranjeet is making a LibreOffice Writer document. He doesn't know the spelling of 'colleague'. He cannot afford to make any spelling errors in his document. He is alone at home so there is no one to help him out. There's one feature in LibreOffice Writer that can save him. Can you guide him how can he make use of that feature?	(4)

Q.19

	A	B	C	D	E	F
1						
2						
3						
4						
5						
6						
7		Student Details				
8		Name	Sub1	Sub2	Total	
9		Ajay	89	91	180	
10		Arunima	76	88	164	
11		Suravi	98	88	186	
12		Mahima	85	94	179	
13		Tanay	90	91	181	
14		Arunava	92	89	181	
15						
16						
17						
18						
19						
20						
21						
22						

(4)

Consider the above picture and write the suitable formula with proper syntax.

- Count the total number of students present in the table.
- Find out the total for Arunima.
- Find out the maximum marks among the total marks.
- Find out the minimum marks among the total marks.

Q.20

Mr. Raghav was working in MS Excel earlier. Now he has switched over to the LibreOffice calc software. He found difficult to answer the following question. Help him to answer these.

- Cell A1 contains the number 10 and B1 contains 5. What will be the contents of cell C1, if the formula $A1+B1*2^3$ is entered in cell C1?
- Cell D5 contains the formula $\$B\$5 + C5$ and this formula is copied to cell E5, what will be the copied formula in cell E5?
- Cell D5 contains the formula $-\$B5 + C5$ and this formula is copied to cell E5, what will be the copied formula in cell E5?
- Cell D5 contains the formula $= \$B5 + C\5 and this formula is copied to cell E6, what will be the copied formula in cell E6?

(4)

Q.21

Sakshi has created a presentation which contains more than 11 slides. She wants to use view option on her slide. State any four views that can be used by Sakshi in the LibreOffice Impress.

(4)



Delhi Public School, Howrah

PERIODIC ASSESSMENT – III (2024-2025)

CLASS – IX

Care must be taken not to write anything on the question paper. All the questions must be attempted in the correct sequence.

SUBJECT: DATA SCIENCE (SUBJECT CODE 419)

PRACTICAL EXAMINATION

Time:-2 Hours

F.M.-50

General Instructions:

1. Please read the instructions carefully.
2. This Question Paper is divided into 02 sections, viz., Section A and Section B.
3. Section A is of 20 marks and is based on the practical activity.
4. Section B is of 30 marks and is based on the practical file and viva-voce.

SECTION A (20 marks)

1. Create a Power-Point Presentation on the topic **Data Footprints** and perform the following actions:
 - a. Prepare 7 slides for the given topic. Type a brief note on **Data Footprints** and apply the 'center' paragraph alignment. Set the font style as 'Carlito' and font size as '20'. Heading should be of 'Broadway' font style and font size '24'. First slide must be the 'Welcome' slide and the last slide must be the 'Thank You' slide. (2)
 - b. In the first two slides after the 'Welcome' slide, one must contain a brief note on Data Footprint and the other to be used to explain the two main categories of Data Footprint. (2)
 - c. The next two slides must contain the advantages and the disadvantages of Data Footprints respectively. (2)
 - d. The last slide must contain any four effective measures to protect ourselves from creating Data Footprints. (2)
 - e. Insert suitable transitions and animations. (2)
2. Consider the following frequency distribution table: (8+2)

BINS	FREQUENCY
50 – 55	4
55 – 60	4
60 – 65	4
65 – 70	4
70 – 75	4
75 – 80	5
80 – 85	4
85 – 90	4
90 – 95	5
95 - 100	4

Create a histogram for the above dataset. Make necessary changes in the frequency column of the data set so that the histogram converts into a Right Skewed Distribution type of histogram. Write the steps to create the histogram.

SECTION B (30 marks)

1. Practical File (20)
2. Viva Voce (10)



Delhi Public School, Howrah

PERIODIC ASSESSMENT III (2024 – 2025)

CLASS – IX

Care must be taken not to write anything on the question paper. All the questions must be attempted in the correct sequence.

SUBJECT: DATA SCIENCE (SUBJECT CODE 419)
THEORY EXAMINATION

Time Allowed:-2 Hours

F.M.-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 is not a factor of 7C's of communication? (a) Completeness (b) Clarity (c) Consideration (d) Classic	(1)
ii.	Being a good listener is a trait of _____. (a) interest (b) ability (c) self-confidence (d) self-control	(1)
iii.	Which of the following models can be followed to instill positive thinking? (a) SMILE (b) LAUGH (c) THINK (d) POSITIVE	(1)
iv.	Which of the following means treating data according to the instructions and changing it into information? (a) Output (b) Input (c) Processing (d) Storage	(1)
v.	_____ memory is a temporary storage area that enhances the speed of CPU. (a) ROM (b) Cache (c) PPROM (d) Hard disk	(1)
vi.	_____ is a device that connects multiple computers together and transmits data to its correct destination on a network. (a) Switch (b) Modem (c) Router (d) NIC	(1)

Q. 2 Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)		
i.	In DIKW pyramid _____ is the ultimate result or output found through exploration of data. (a) Data (b) Information (c) Knowledge (d) Wisdom	(1)
ii.	The term _____ is used for accessing, retrieving or restoring the inaccessible, lost, corrupted or damaged data from secondary storage or removable media. (a) Data Recovery (b) Data loss (c) Data Backup (d) Data Collection	(1)
iii.	The amount of money in our bank account is an example of ____ variable. (a) ordinal (b) nominal (c) discrete (d) continuous	(1)
iv.	Factor Analysis, Cluster Analysis, Variance Variable are the various techniques to determine relationships in _____ analysis. (a) Bivariate (b) Multivariate (c) Trivariate (d) Univariate	(1)
v.	A data source is said to be _____ if it provides the main data which is considered as the first hand information by a surveyor, investigator etc. (a) primary (b) secondary (c) third-party (d) copyright protected	(1)
vi.	The large quantity of information that arrives through various devices in increasing volumes is called _____. (a) Large data (b) Big data (c) Bulk data (d) Varied data	(1)

Q. 3 Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)		
i.	_____ refers to the data generation rate which is very fast as enormous amount of data is collected within seconds by various sources or devices. (a) Volume (b) Variety (c) Velocity (d) Veracity	(1)
ii.	Which of the following statements refer to the term Veracity related to Big data? (a) size of the data collected (b) enormous amount of data in different forms (c) rate of data production (d) inconsistencies and uncertainty in data	(1)
iii.	Qualitative variable, also known as _____ variable is subjective in nature. (a) Accountable (b) Countable (c) Categorical (d) Semi-categorical	(1)
iv.	In statistical data analysis, _____ analysis is a commonly used method to segregate groups with similar traits. (a) classification (b) cluster (c) categorical (d) semi-categorical	(1)
v.	Grades of examination to assess student's performance is an example of _____ variable. (a) Continuous (b) Ordinal (c) Discrete (d) Nominal	(1)
vi.	_____ kind of data footprint is created when a user is unaware of the fact that his/her activities has been monitored by an organization/ company on the internet. (a) passive (b) active (c) direct (d) indirect	(1)

Q. 4 Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)		
i.	_____ charts represent information as a series of data points which change over a short/ long period of time. (a) Line (b) Pie (c) Histograms (iv) Scatter	(1)
ii.	Which of the tools is known as data-driven documents, a popular data visualization library for visualizing data using web standards? (a) Microsoft Excel (b) D3.js (c) Fusion charts (d) Tableau Public	(1)
iii.	Which method of visualization displays hierarchical data in nested format? (a) Tree maps (b) Heat maps (c) Graphs (d) Charts	(1)
iv.	_____, a data visualization tool that simplifies the data by fragmenting it into more manageable chunks of visual information. (a) Tableau (b) Spreadsheet (c) Dashboard (d) Calc	(1)
v.	Which of the following approaches is used to recognize trends, patterns and outliers from seemingly meaningless records of data?	(1)

	(a) Data Interpretation (b) Data Visualization (c) Data Representation (d) Data Collection	
vi.	Heat maps are - (a) those type of charts where the data points are connected with straight line (b) divided into segments of varying proportions (c) like bar graphs which are used to visualize numerical data (d) two dimensional representation of data in which values are represented by colours	(1)

Q. 5	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)	
i.	Frequency is one of the several ways of conducting _____ analysis. (a) Univariate (b) Bivariate (c) Trivariate (d) Multivariate	(1)
ii.	"The task of collecting and interpreting data is time consuming" The above statement depicts one of the disadvantages of _____. (a) Quantitative data (b) Quantitative variable (c) Qualitative data (d) Qualitative variable	(1)
iii.	_____ applications generates and adopts a massive degree of data of cab drivers, locations, trip informations etc. (a) Food delivery (b) Ride sharing (c) Grocery sale (d) Sports	(1)
iv.	_____ are normally defined within the parenthesis as it refers to the individual cells or cell ranges in a spreadsheet data. (a) Arguments (b) Functions (c) Formula (d) Graphs	(1)
v.	Which of the following statements is a disadvantage of Quantitative data? (a) It is highly reliable and more accurate (b) The process of analysing quantitative data is easy (c) It provides larger data sets to get more accurate results (d) It requires certain expertise of statistics	(1)
vi.	_____ algorithms are commonly used for identifying or recognizing the rare observation which is suspicious as compared to normal behaviour. (a) Anomaly Detection (b) Pattern matching (c) Data Processing (d) Information Retrieval	(1)

SECTION B: SUBJECTIVE TYPE QUESTIONS

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

Answer each question in 20 – 30 words.

Q. 6	How is non-verbal communication different from visual communication?	(2)
Q. 7	Ajay's performance in the last examination was not up to the mark and he has lost positivity within himself but he needs to focus more for his upcoming exam. Discuss two steps that can help Ajay regain positivity and become a positive thinker.	(2)
Q. 8	Differentiate between CU and ALU of a computer CPU.	(2)
Q. 9	Shankar's smartphone is showing an alert notification which says that the device storage is almost full. His device contains important files which he cannot delete/remove at the earliest. He heard about cloud storage from his elder brother that can help him regarding storage management. Explain cloud storage in this context. Why do you think it as a very important tool in today's computing?	(2)
Q.10	What do you understand by an app? Name any two categories of apps with examples.	(2)

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

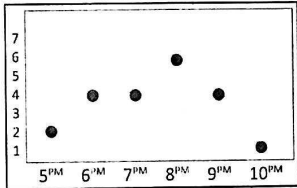
Q.11	Define the term data. How is data turned into an information?	(2)
Q.12	Discuss four major causes of data loss.	(2)
Q.13	Sidhu was going through a journal where he notices the fact that data processing involves the steps of data collection, data analysis and data interpretation in order to extract the optimal output from certain data. Discuss any two of these data processing steps in brief to Sidhu.	(2)
Q.14	Differentiate between qualitative and quantitative data with examples.	(2)

Q.15	Data Science is that domain where data is acquired depending upon the requirement of a problem to be solved and also explored so as to analyze the data and make proper use of the data. Define the table formats (i) CSV and (ii) SQL for data storage in this regard.	(2)
Q.16	A variable is an attribute that can be measured as it always contains some values which may be different and depend upon the situation. Explain the levels (i) Univariate analysis and (ii) Bivariate analysis of data analysis based on the number of variables that data rely upon.	(2)

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

Q.17	The DIKW hierarchy is a model that represents the transformation of raw data into valuable insights for decision-making. DIKW framework can help institutions derive meaning from vast amounts of data, and ultimately make better, more informed decisions. Discuss the DIKW layers for Sector Banking and other financial institutions.	(4)
Q.18	A data footprint refers to the total amount of data generated, stored, processed, and transmitted by a system, organization, or individual over time. What are the two categories of data footprints? Discuss two advantages and two disadvantages of data footprints.	(4)
Q.19	Differentiate between Single Variable Plot and Multivariable plots with examples of relevant data sets.	(4)
Q.20	Explain the types of histograms- (i) Normal Distribution (ii) Right Skewed Distribution (iii) Bimodal Distribution (iv) Uniform Distribution with supporting diagrams.	(4)
Q.21	Esha is a data scientist and she guides her subordinate project members explaining that proper visualization of data can help get the actual essence of it. State two advantages of data visualization in this regard. Identify the following data visualization plots/charts and write a short note on them.	(4)

(i)



(ii)

