SAMPLE PAPER SET 2
ENGLISH COMMUNICATIVE
CLASS IX
SESSION 2024-2025

SECTION A : READING SKILLS (20 MARKS)

I Read the following passage: **10 marks**

A.Milkha Singh, also known as The Flying Sikh, was an Indian track and field sprinter who was introduced to the sport while serving in the Indian Army. He is the only athlete to win gold in 400 metres at the Asian Games as well as the Commonwealth Games. He also won gold medals in the 1958 and 1962 Asian Games. He represented India in the 1956 Summer Olympics in Melbourne, the 1960 Summer Olympics in Rome and the 1964 Summer Olympics in Tokyo .He was awarded the Padma Shri, India's fourth-highest civilian honour, in recognition of his sporting achievements

B.The race for which Singh is best remembered is his fourth-place finish in the 400 metres final at the 1960 Olympic Games. He led the race till the 200 m mark before easing off, allowing others to pass him. Singh's fourth-place time of 45.73 seconds was the Indian national record for almost 40 years.

C.From beginnings that saw him orphaned and displaced during the partition of India, Singh became a sporting icon in the country. In 2008, journalist Rohit Brijnath described Singh as "the finest athlete India has ever produced".

D.He was disappointed with his debut performance at the 1956 Melbourne Olympics. *1 returned to India, chastened by my poor performance in Melbourne. I had been so excited by the prospects of being part of the Indian Olympics team, but hadn't realized how strong and professional the competition would be. My success in India had filled me with a false sense of pride and it was only when I was on the track that I saw how inconsequential my talents were when pitted against superbly fit and seasoned athletes. It was then that I understood what competition actually meant, and that if I wanted to succeed on the international arena, I must be prepared to test my mettle against the best athletes in the world."

E.Then he decided to make sprinting the sole focus of his life. "Running has thus become my God, my religion and my beloved. My life during those two years was governed by strict rules and regulations and a self-imposed penance. Every morning I would rise at the crack of dawn, get into my sports kit and dash off to the track, where I would run two or three miles cross-country in the company of my coach.".On how he pushed himself through the tough days of vigorous training. "I practiced so strenuously that often I was drained of all energy, and there were times when I would increase my speed to such an extent that after my rounds, I would vomit blood or drop- down unconscious through sheer exercise. My doctors and coaches warned me, asked me to slow down to maintain my health and equilibrium but my determination

was too strong to give up. My only focus was to become the best athlete in the world. But then images of a packed stadium filled with cheering spectators, wildly applauding me as I crossed the finishing line, would flash across my mind and I would start again, encouraged by visions of victory." (10)

Answer the following questions, based on the passage above.

i What was Milkha Singh's nickname?   1 mark

      A) The Sprint King

      B) The Flying Sikh

      C) The Fast Indian

      D) The Speedster

ii Which Olympics did Milkha Singh participate in for the first time? 1 mark

      A) 1952 Helsinki

      B) 1956 Melbourne

      C) 1960 Rome

      D) 1964 Tokyo

iii. What was Milkha Singh's notable achievement at the 1960 Rome Olympics? 1 mark

      A) Winning a gold medal

      B) Setting a world record

      C) Finishing fourth in the 400 metres

      D) Winning a bronze medal

Iv .What honor was awarded to Milkha Singh in recognition of his sporting achievements? 1 mark

      A) Bharat Ratna

      B) Padma Bhushan

      C) Padma Shri

D) Arjuna Award

v. Milkha Singh realised after his performance at the 1956 Melbourne Olympics that - (1 mark)

A) He was the best athlete in the world

B) He needed to retire from sprinting

C) He should switch to another sport.

D) He needed to train harder to compete against the best

vi. Complete the following - (1 mark)

Opinion	Reason
Milkha realized how inconsequential his talents were.	

vii. Complete the analogy choosing the word from para 4. (1 mark)

Succeed ; fail ;; inexperienced ;   ------------------

viii. State True or False (1 mark)

Milkha Singh's sole focus of life was winning Padam Shri.

ix. How did Milkha Singh push himself through the tough days of vigorous training? (1 mark)

x . Explain the phrase 'I would start again' in the last sentence. (1 mark)

II Read the passage and answer the questions that follow : (10)

A. The Amazon is the world's largest tropical rainforest. It covers an area of nearly 2.8 million square miles, which is nearly the size of the continent of Australia. The Amazon rainforest gets its life from the majestic Amazon river, the world's second largest river, which runs directly through the heart of the region. The rainforest itself is simply the drainage basin for the river and its many tributaries. The vast forest itself consists of four layers, each featuring its own ecosystems and specially adapted plants and animals.

B The forest floor is the lowest region. Since only two per cent of the sunlight filters through the top layers to the understory, very few plants grow here. The forest floor, however, is rich with rotting vegetation and the bodies of dead organisms, which are quickly broken down into nutrients and decomposers such as millipedes and earthworms use nutrients for food.

C The understory is the layer above the forest floor. Much like the forest floor, only about 2-5 percent of the sunlight reaches this shadowy realm. Many of the plants in the understory have large, broad leaves to collect as much sunlight as possible. The understory is so thick that there is very little air movement. As a result, plants rely on insects and animals to pollinate their flowers.

D. The layer above the understory is the canopy. This is where much of the action in the rainforest occurs. Many canopy leaves have specially adapted leaves which form "drip tips". Drip trips allow water to flow off the leaves which prevents mosses, fungi, and lichens from occupying the leaves. Leaves in the canopy are very dense and filter about 80 per cent of the sunlight. The canopy is where the wealth of the rainforest's fruits and flowers grow. Bromeliads, cut-like plants, provide drinking pools for animals and breeding locations for tree frogs.

i Which of the following statements best describes the function of the Amazon rainforest in relation to the Amazon River? (1 mark)

A) The Amazon River provides water for irrigation in the rainforest.

B) The Amazon rainforest serves as the drainage basin for the Amazon River and its tributaries.

C) The Amazon River prevents the rainforest from flooding.

D) The Amazon rainforest diverts the flow of the Amazon River.

ii What is the primary reason for the limited plant growth on the forest floor of the Amazon rainforest? (1 mark)

A) Excessive rainfall

B) Lack of nutrients in the soil

C) Limited sunlight penetration

D) Competition with large animals

iii Which feature of the understory layer helps plants maximize their sunlight intake? (1 mark)

A) Thick bark

B) Shallow roots

C) Large, broad leaves

D) Drip tips

iv What is the significance of 'drip tips' on the leaves in the canopy layer? (1 mark)

A) They help the plant absorb more sunlight.

B) They prevent water accumulation and the growth of mosses, fungi, and lichens.

C) They assist in the plant's reproduction process.

D) They help the leaves to hold more water.

v Which layer of the rainforest is described as having very little air movement, and what impact does this have on plant pollination? (1 mark)

A) Canopy; plants rely on the wind for pollination.

B) Understory; plants rely on insects and animals for pollination.

C) Forest floor; plants rely on water for pollination.

D) Emergent layer; plants rely on birds for pollination.

vi Complete the sentence-

The canopy is considered the most active layer of the rainforest because _____. (1 mark)

vii How do bromeliads benefit the rainforest ecosystem, according to the passage?(1 mark)

viii Complete the analogy. (1 mark)

 Forest floor: Decomposers :: Canopy: _____ (1 mark)

ix . Pick the antonym of the word 'thin' from the passage. (para 4)(1 mark)

x .Based on the information provided, why might the lack of air movement in the understory be advantageous for certain plants? (1 mark)

SECTION – B (Writing Skills) (24 Marks)

III. You are Rita/ Rohit, Secretary, Welfare Association, Ganga Colony, Muradabad. Write a notice in not more than 50 words to be put up on the notice board informing the residents that there would be no water supply for two days in your colony due to major pipe-line work. (4 marks)

IV. Write a dialogue between a parent and a teenager discussing the teenager's desire to go on a solo backpacking trip. The conversation should explore the teenager's reasons to go, the parent's concerns about safety and how they might come to a mutual agreement. (5 marks)

V. Write an informal letter to your friend describing a recent campaign conducted by your school to reduce plastic usage, inspired by Unit 3 'Environment' from your English MCB book. Explain the activities involved in the campaign, the impact it had on your school community and what you learned about the importance of reducing plastic waste. (7 marks)

OR

Write an informal letter to your friend describing a recent tree plantation drive organised by your school. Explain the purpose of the drive, your experience of planting trees, the benefits of tree planting for the environment and how you felt participating in this activity.

VI. Write a paragraph describing a family gathering you enjoyed, using the visual clue given, based on MCB Unit 1 'People' of your English MCB book. Describe the atmosphere, activities and the importance of family bonds during such gatherings. (8 marks)

OR

Write a paragraph describing the role of teamwork in achieving success, using the visual clue given based on MCB Unit 1 'People' of your English MCB book. Explain how collaboration and cooperation among individuals can lead to accomplishing challenging goals and creating a sense of unity. Include an example of your personal experience. (8 marks)

SECTION – C Grammar (10 marks)

VII Complete the task A-C, as directed.

(A) Fill in the blanks (i) – (iii) with appropriate option from those in the brackets. (3)

Time management is (i) _____ (a, an, the) process of organizing (ii) _____(but, or, and) planning how to divide your time (iii) _____ (between, among, and) different activities.

(B) In the following paragraph, one word has been omitted in each line, In your answer sheets, remember to write the missing word along with the word that comes before and after it, as shown below. The first one has been done as an example. (4)

No.	Text	Word before	Omission	Word after
e.g.	The internet presents a way	a	better	way
(i)	to achieve goals of libraries			
(ii)	than physical libraries namely			
(iii)	free and open to information			
(iv)	and books. Everything available on			
	click of a button.			

(C) Do as directed.

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

Moths are insects like butterflies they also go through metamorphosis and are nocturnal

lay/ which/ turn/ they/ into/ eggs/ caterpillars.

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

Rohan: Can you share the notes with me.

Rahul: I am sorry I can't share as I have to prepare for the test tomorrow.

Rohan was absent for three days so he asked Rahul

(a)_____ but Rahul apologised and said he could not as

(b)_____.

SECTION - D (Literature)

VIII Read the given excerpts and answer the questions briefly, for ANY TWO excerpts, of the three, given. (4+4)

(A) few weeks ago, worded as if in special tribute to Duke, an

order came through from the chemical company's headquarters: "… therefore, to advance our objectives step by step, Charles Hooper is appointed Assistant National Sales Manager."

i Who paid a special tribute to Duke?

ii What does the expression advance objectives step by step mean?

iii Who helped Hooper the most?

iv Who was Duke?

(B) Behold her, single in the field,
    Yon solitary Highland lass!
    Reaping and singing by herself;
    Stop here, or gently pass!

i Which region does the solitary reaper belong to?

ii What was the girl doing?

iii What does the poet suggest?

iv Name the poet who wrote this poem.

(C) *"Maid: They might take you on for eight days, Madame. That would mean eight hundred francs. It's really money for nothing. You would only have to peel potatoes one minute and make an omelette the next, quite easy.*
Juliette: But how kind of you. … Thank God I'm not quite sohard up as that

yet!

Maid: Oh, Madame, I hope you are not angry with me?"

i What opportunity does the maid present to Juliette?

a) A chance to travel

b) A job that pays eight hundred francs for eight days

c) A cooking class

d) A gardening position

ii How much money does the maid suggest Juliette could earn in eight days?.

iii . What would Juliette need to do to earn the mentioned amount?

iv . How does Juliette respond to the maid's suggestion?.

IX Answer ANY FIVE of the following seven questions in about 30 – 40 words each. 2 × 5 = 10

(i) How has Wordsworth admired and idealised the simple rustic life in "The Solitary Reaper"?

(ii) Why was the grandmother upset when her granddaughter went to attend the wedding?.

(iii) Did Chuck give up after Duke's death? Give reasons for your answer.

(iv)What did the narrator and his friend Trower see when they were returning from the canteen?

Answer to the context of the chapter The Man Who Knew Too Much.

(v) How do the expressions bicker down, hurry down, slip between ridges, chatter, chatter help in creating the image of the young river? (The Brook)

(vi) Does Sacha Guitry's 'A Villa For Sale' define human behavior through the character of Gaston? Give reasons.

X. Answer ANY ONE of the following two questions in about 120 words 8 marks

(A) What made the grandmother so much interested in the serial of Kashi Yatre that appeared in the weekly Karmaveera? What happened when the narrator went to attend a wedding in the neighbouring village?

(B) One is often unable to taste the fruit of one's hard work. Explain with reference to the story 'A Dog Named Duke'.

MARKING SCHEME
COMMUNICATIVE ENGLISH
2024-25
Class - 9th

I.

i B.The Flying Sikh
ii B   1956 Melbourne
iii Finishing fourth in 400 mts
iv C Padam Shri
v D He needed to train harder to compete against the best
vi He did not perform well in his debut performance
vii Seasoned
viii False
ix He practiced so strenuously that often Ihe was drained of all energy and there were times when he would increase his speed to such an extent that after the rounds, he would vomit blood or drop- down unconscious
x 'I would start again' means here that he was encouraged to shun any complacency and start again with the double energy and determination to become the best athlete.

II.

i B) The Amazon rainforest serves as the drainage basin for the Amazon River and its tributaries.

ii C) Limited sunlight penetration

iii C) Large, broad leaves

iv B) They prevent water accumulation and the growth of mosses, fungi, and lichens.

v B) Understory; plants rely on insects and animals for pollination.

vi It has the greatest variety of plant life and associated activities.

vii They offer drinking pools and breeding locations for certain animals.

viii Bromeliads

ix dense

x. The lack of air movement in the understory might be advantageous for certain plants because it encourages reliance on insects and animals for pollination, which can be more reliable than wind pollination in such a dense environment.

III. Format - 1

Content - 2

Accuracy - 1

IV. Content - 3

Accuracy / Fluency - 1

Expression - 1

V. Content - 3

Accuracy / Fluency - 2

Expression - 2

- **Value Points**: Activities included awareness sessions, workshop on alternatives to plastic.
- Highlight was "Plastic-Free Week" where everyone pledged to avoid single-use plastics.
- Impact: Reduced plastic waste around school, canteen switched to biodegradable packaging.
- Learned about importance of reducing plastic waste.

   OR

Value Points:

- Planting saplings in school grounds.
- Trees reduce air pollution, provide habitats for wildlife.
- Fulfilling to contribute to environment, realise importance of tree planting for planet's health.

VI. Value Points:

- Warm and joyful, filled with laughter and conversations. Shared meals, storytelling, games and recollecting old memories.
- Importance of family bonds evident through shared experiences and support.
- Such gatherings strengthen family ties and create lasting memories

OR

Value Points

- Collaboration and cooperation essential for achieving challenging goals.
- Combining unique strengths and skills leads to innovation and creativity.
- Creates a sense of unity and mutual trust among team members.

VII. (A) (i) the   1

(ii) and   1

(iii) between   1

    (B) Word before   Omission   Word after   1X4

	Word before	Omission	Word after
(i)	achieve	the	goal
(ii)	libraries	themselves	namely
(iii)	open	access	information
(iv)	everything	is	available

    (C) (i) They lay eggs which turn into caterpillars.   1X4

      (ii) If he could share the notes with him.

      (iii) He had to prepare for the test the next day

 LITERATURE

VIII (A)

i Charles Hooper's company paid a special tribute to Duke.

ii Moving towards your goal step by step.

iii His pet dog named Duke helped Hooper the most advance his objectives step by step.

ɪᴠ.Duke was the name of Hooper's obedient dog.

(B)

(i) A The girl belongs to the mountainous highland region of Scotland.

(ii) The girl was reaping and singing by herself in the field.

(iii) The poet suggests the passers-by either to stand silently and listen to her song or leave the place silently.

(iv) This poem has been written by William Wordsworth.

C

(i) job that pays eight hundred francs for eight days

(ii) The maid suggests that Juliette would earn eight hundred francs in eight days

(iii) Juliette would need to peel potatoes for one minute and make an omelet the next to earn the suggested amount.

(iv) Juliette responds by expressing gratitude but states that she's not in a financial situation that desperate

IX

(i) Wordsworth was an admirer of simple rustic life. The 'Solitary Reaper' is a Scottish peasant girl who is full of life. She is singing while reaping and binding the grain, unaware of the poet's presence. The poet shows his admiring nature by describing about the lonely reaper who sings a melancholy song. Her song adds even more beauty to the soothing nature.

(ii) As the grandmother was illiterate, she was unable to read the next episode of 'Kashi Yatre'. She felt embarrassed at asking the villagers to read it for her. So, she felt miserable and dependent without her granddaughter

(iii) Chuck did not give up after Duke's death rather Chuck continued to work hard for his company. He realised the deep love, dedication and patience that

Duke had shown in getting him back on his feet. So he got promotion and became an Assistant National Sales Manager.

(iv) One day while the narrator and his friend Trower were returning from the canteen to the hall. They saw three cooks through the open door and they heard The Professor criticisingthe method of peeling potatoes. He was telling the other two cooks that their "abominably unscientific and unhygienic method of peeling potatoes" wasted the vitamin values of the vegetable. The narrator and his friend heard and fled.

(v) It streams through mother nature, sparkling among ferns and petals. It rushes in high speed through hills, ridges, towns and villages. This is where the poet uses the words 'bicker', hurry up, 'slip between the ridges' and 'chatter chatter' to explain the noisy and irregular movement of the brook.

(vi) Yes, the playwright used Gaston's character to satirize human vices stemming from the competition for material acquisitions. Gaston is portrayed as selfish and unconcerned about his wife, serving as a commentary on human behavior.

X

(A) Avva could not read or write. Therefore, every Wednesday the granddaughter used to read out the next episode of KashiYatre to her, which used to appear in the Kannada weekly Karmaveera. Avva never went to school because in her time people didn't consider education essential for girls. Also, she got married at an early age and got occupied by responsibilities. However, she always regretted never going to school.

(B) Duke was a loyal, faithful, understanding and intelligent dog. He realized Chuck's handicap after their very first meeting. Since then he did not ever jump at him. Duke would keep on motivating Chuck to move by nudging and poking him. He took Chuck for a walk every day,

covering a greater distance than before every time. Later, he insisted on two rounds in a day. Largely due to Duke's efforts Chuck recovered. Yet, when the time came to reap the fruits of one's efforts, to see Chuck being promoted in the office, he died. But such kind acts are always remembered by the ones who benefitted from his efforts. Those who perform such acts are regarded as motivators and God's messengers.

NALINI MATHUR
DIVYA SHARMA
DEEP SHIKHA BHATIA
DAV SEC 49 FBD
MONIKA CHAWLA
DAV PALWAL FBD

प्रतिदर्श प्रश्न पत्र (सत्र 2024-25)

कक्षा - नवीं

विषय - हिंदी 'ब' कोड (085)

	सामान्य निर्देश ꞉- निम्नलिखित निर्देशों को बहुत सावधानी से पढ़िए और उनका पालन कीजिए। ● इस प्रश्न पत्र में चार खंड हैं 'क' 'ख' 'ग' और 'घ' ● खंड 'क' में दो अपठित गद्यांश हैं। इसमें प्रथम तीन प्रश्न बहुवैकल्पिक हैं और अंतिम दो लघूत्तरात्मक अथवा अति लघूत्तरात्मक हैं। निर्देशानुसार उत्तर लिखिए। ● खंड 'ख' में दिए गए व्याकरण से संबंधित प्रश्नों के उत्तर निर्देशानुसार लिखिए। ● खंड 'ग' में पाठ्यपुस्तक पर आधारित प्रश्नों के उत्तर निर्देशानुसार लिखिए। ● खंड 'घ' में रचनात्मक लेखन से संबंधित प्रश्न हैं। प्रश्नों में आंतरिक विकल्प दिए गए हैं। ध्यानपूर्वक निर्देशों का पालन करते हुए प्रश्नों के उत्तर लिखिए। ● प्रश्न पत्र में कुल 17 प्रश्न हैं। निर्देशानुसार उत्तर लिखिए।	
प्रश्न-1	खंड 'क'- (अपठित बोध) निम्नलिखित अपठित गद्यांश को ध्यानपूर्वक पढ़कर निर्देशानुसार उत्तर लिखिए - 'भूमि माता है और मैं उसका पुत्र हूँ। यह भाव जब सशक्त रूप में जागता है, तब राष्ट्र-निर्माण के स्वर वायुमण्डल में भरने लगते हैं। भूमि के साथ माता और पुत्र का संबंध स्थापित होने पर उसे पवित्र मातृभूमि का पद दिया जाता है। 'मातृभूमि को प्रणाम', 'माता पृथ्वी को प्रणाम' यह प्रणाम-भाव भूमि एवं जन को परस्पर दृढ़ता से बाँध देता है। इसी दृढ़-भिति पर राष्ट्र का भवन तैयार किया	

जाता है। इसी दृढ़ चट्टान पर राष्ट्र का चिर जीवन आश्रित रहता है। इसी मर्यादा को मानकर राष्ट्र के प्रति मनुष्यों के कर्तव्य और अधिकारों का उदय होता है। जो जन पृथ्वी के साथ माता और पुत्र के संबंध को स्वीकार करता है, उसे ही पृथ्वी के वरदानों में भाग पाने का अधिकार है। माता के प्रति अनुराग और सेवाभाव पुत्र का स्वाभाविक कर्तव्य है। स्वार्थ के लिए पुत्र का माता के प्रति प्रेम, पुत्र के अधोपतन को सूचित करता है। जो जन मातृभूमि के साथ अपना संबंध जोड़ना चाहता है उसे अपने कर्तव्यों के प्रति पहले ध्यान देना चाहिए।

माता अपने सब पुत्रों को समान भाव से चाहती है। इसी प्रकार पृथ्वी पर बसने वाले जन बराबर हैं। उनमें ऊँच और नीच का भाव नहीं है। जो मातृभूमि के हृदय के साथ जुड़ा हुआ है वह समान अधिकार का भागी है। पृथ्वी पर निवास करने वाले जनों का विस्तार अनन्त है। नगर और जनपद, पुर और गाँव, जंगल और पर्वत नाना प्रकार के जनों से भरे हुए हैं। ये जन अनेक प्रकार की भाषाएँ बोलने वाले और अनेक धर्मों के मानने वाले हैं, फिर भी वे मातृभूमि के पुत्र हैं और इस कारण उनका सौहार्द भाव अखण्ड है। सभ्यता और रहन-सहन की दृष्टि से जन एक-दूसरे से आगे-पीछे हो सकते हैं, किन्तु इस कारण से मातृभूमि के साथ उनका जो संबंध है उसमें कोई भेदभाव उत्पन्न नहीं हो सकता। पृथ्वी के विशाल प्रांगण में सब जातियों के लिए समान स्थान है। समन्वय के मार्ग से भरपूर प्रगति और उन्नति करने का सबको एक जैसा अधिकार है। किसी जन को पीछे छोड़कर राष्ट्र आगे नहीं बढ़ सकता। अतएव समग्र राष्ट्र जागरण और प्रगति की एक जैसी उदार भावना से संचालित होना चाहिए।

(i) राष्ट्र प्रेम का भाव जब सशक्त रूप से जगता है तब क्या होता है?

(क) राष्ट्र पतन के स्वर वायु मंडल में भरने लगते हैं।

(ख) राष्ट्र निर्माण के स्वर वायु मंडल में भरने लगते हैं।

(ग) राष्ट्र उत्थान के स्वर वायु मंडल में भरने लगते हैं।

(घ) राष्ट्र अधोपतन के स्वर वायु मंडल में भरने लगते हैं। (ii) निम्नलिखित कथन (A) तथा कारण (R) को ध्यानपूर्वक पढ़िए तथा दिए गए विकल्पों में से एक सही विकल्प चुनकर लिखिए । कथन (A): माता अपने सभी पुत्रों को समान भाव से चाहती है। कारण (R): पृथ्वी पर बसने वाले सभी जन में ऊँच- नीच की भावना भरी हुई है। (क) कथन (A) तथा कारण (R) दोनों गलत हैं। (ख) कथन (A) गलत है, लेकिन कारण (R) सही है। **(ग) कथन (A) सही है, लेकिन कारण (R) कथन (A) की गलत व्याख्या करता है।** (घ) कथन (A) तथा कारण (R) दोनों सही हैं तथा कारण (R) कथन (A) की सही व्याख्या करता है। (iii)विभिन्न भाषाएँ बोलने वाले तथा विभिन्न धर्मों को मानने वाले लोग मातृभूमि के पुत्र क्यों हैं? (क) उनका उदार भाव अखण्ड है। (ख) उनका सौहार्द भाव खंडित है। (ग) उनका प्रगति मार्ग अखण्ड है। **(घ) उनका सौहार्द भाव अखण्ड है।** (iv) राष्ट्र रूपी भवन का निर्माण किस पर खड़ा होता है? (v)राष्ट्र उन्नति के लिए क्या आवश्यक है?	
प्रश्न- 2	निम्नलिखित अपठित गद्यांश को ध्यानपूर्वक पढ़कर निर्देशानुसार उत्तर लिखिए - मैं गंगा या भागीरथी भारतीय संस्कृति की यश-पताका हूँ। मैं महाराज भगीरथ के पूर्वजों का उद्धार करने के लिए स्वर्ग से पृथ्वी पर अवतरित हुई और 'भागीरथी' कहलाई। मेरे वेग को भगवान शिव ने अपने जटा-जूट में धारण किया। मैं ज्येष्ठ मास के शुक्ल पक्ष की दशमी तिथि को व्योमविहारिणी से धरती	

पर पाप-विमोचिनी बनकर उतरी थी। मेरा अतीत अत्यंत गौरवपूर्ण रहा है। पिता हिमालय की गोद से निकलकर मैं अनेक मैदानों को उर्वर बनाती, कई तीर्थों को महिमामंडित करती बंगाल की खाड़ी में समाहित हो जाती हूँ। मेरी प्रशंसा में अनेक रचनाएँ रची गई हैं। मेरे किनारे कवियों, ऋषियों और मुनियों ने अपनी साधना के दीप जलाए हैं। मेरा जल अपवित्रों को पवित्र करता है, मिट्टी को सोना बनाता है, देवताओं की पूजा को पूर्ण करता है और लाखों-करोड़ों तृषितों की तृषा को शांत करता है। मेरे जल से कृषक खेत सींचते हैं, धरती हरी-भरी रहती है। पीने का पानी भी मैं हूँ। उद्योग धंधों में भी मेरा प्रयोग होता है। बिजली मेरे पानी से बनती है। मुझ पर बाँध और पुल बनाकर इंसान ने मुझे जीत लिया है। नौका और जहाज मुझे चीरते हुए आगे निकल जाते हैं। मुझमें जाल डालकर मछुआरे मछलियाँ निकालते हैं, लेकिन मैं गंगा अब सिसक रही हूँ, क्योंकि जिनका उद्धार मैंने किया है, वे ही मुझमें कूड़ा-करकट, दूषित जल और शवों को डालकर दूषित कर रहे हैं। जिसके तट कभी मंत्रों की ध्वनि से गूँजते थे, यज्ञों की ज्वाला से पवित्र होते थे, वे ही अब उपेक्षित और निरादृत हो रहे हैं। शायद ही ईश्वर तुम्हारी इस भूल को क्षमा कर पाए।

I. गंगा पृथ्वी पर अवतरित हुई-

(क) भारतीय संस्कृति का गौरव बढ़ाने के लिए।

(ख) महाराज भागीरथ के पूर्वजों का उद्धार करने के लिए।

(ग) भगवान शिव का सान्निध्य पाने के लिए।

(घ) तीर्थों की महिमा बढ़ाने के लिए।

II. गंगा को 'यज्ञ-पताका' कहा गया है-

(क) भगवान शिव की

(ख) भारतीय संस्कृति की।

(ग) ऋषियों व मुनियों की साधना की।

(घ) हमारे पूर्वजों की

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

कथन (A): यही गंगा अब सिसक रही है।

कारण (R): गंगा में कूड़ा-करकट एवं शव डालकर उसे दूषित किया जा रहा है।

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

(ख) कथन (A) गलत है लेकिन कारण (R) सही है।

(ग) कथन (A) सही है लेकिन कारण (R) उसकी गलत व्याख्या करता है।

(घ) कथन (A) तथा कारण (R) दोनों सही हैं तथा कारण (R) कथन (A) की सही व्याख्या करता है।

IV. ईश्वर मनुष्यों की किस भूल को और क्यों क्षमा नहीं कर पाएगा?

V. गंगा के किनारे कवियों, ऋषियों और मुनियों ने अपनी साधना के दीप क्यों जलाए हैं?

खंड 'ख'- (व्यावहारिक व्याकरण)	
प्रश्न- 3	शब्द-पद पर आधारित किन्हीं दो प्रश्नों के उत्तर लिखिए - (i) ध्वनियों के मेल से बनने वाली भाषा की अर्थपूर्ण एवं स्वतंत्र इकाई को क्या कहा जाता है ? (ii) संज्ञा, सर्वनाम, विशेषण और क्रिया ----------- कहलाते हैं? (iii) ईश्वर हम सबकी रक्षा करते हैं। रेखांकित शब्द का भेद क्या है?	1X2=2

प्रश्न- 4	अनुस्वार-अनुनासिक पर आधारित निम्नलिखित में से किन्हीं दो प्रश्नों के उत्तर लिखिए-
	
	 (i) दिए गए शब्दों में उचित स्थान पर अनुस्वार का प्रयोग करें -
	   ज़िदा, परतु
	
	 (ii) 'भिण्डी' शब्द का मानक रूप लिखिए।
	
	 (iii) दिए गए शब्दों में से अनुनासिक के उचित प्रयोग वाला शब्द छाँटकर लिखिए -
	   अँदाज़ा , पहुँचा
		1X2=2

प्रश्न- 5	निम्नलिखित में से किन्हीं चार प्रश्नों के उत्तर लिखिए- (i) उपसर्ग तथा मूल शब्द अलग कीजिए। <table><tr><td>शब्द</td><td>उपसर्ग</td><td>मूलशब्द</td></tr><tr><td>पर्यटन</td><td></td><td></td></tr></table> (ii) दिए गए प्रत्यय से शब्द बनाइए - <table><tr><td>प्रत्यय</td><td>शब्द</td></tr><tr><td>अक्कड</td><td></td></tr></table> (iii) शब्द निर्माण की प्रक्रिया में उपसर्ग शब्द के ---------- जुड़ते हैं? (iv) निम्नलिखित शब्दों में कौन-सा शब्द 'इमा' प्रत्यय से नहीं बना है? लालिमा, नीलिमा, ईर्ष्यमा, कालिमा (v) सही उत्तर लिखिए - सर्वहारा : हारा, गरमाहट : ---------	1X4=4
प्रश्न- 6	निम्नलिखित में से संधि पर आधारित किन्हीं तीन प्रश्नों के उत्तर लिखिए -	1x3=3

	(i) अय्, आय्, अव्, आव् ---------संधि के प्रकार हैं।	
	(ii) 'प्रत्युपकार' शब्द का संधि-विच्छेद कीजिए।	
	(iii) 'पवित्र' शब्द का संधि -विच्छेद करते हुए भेद का नाम लिखिए।	
	(iv) दो निकटवर्ती वर्णों अर्थात ध्वनियों के पारस्परिक मेल से जो विकार उत्पन्न होता है उसे क्या कहते हैं ?	
प्रश्न- 7	'विराम चिह्न' पर आधारित किन्हीं दो प्रश्नों के उत्तर लिखिए - (i) (-) कोष्ठक में दिए गए विराम चिह्न का नाम लिखिए - (ii) उपनाम या किसी विशेष शब्द के लिए किस विराम चिह्न का प्रयोग होता है? (iii) दिए गए वाक्य में उचित विराम चिह्नों का प्रयोग करके वाक्य को पुनः लिखिए- रामायण एक धार्मिक ग्रंथ है	1×2=2
प्रश्न -8	'अर्थ के आधार पर वाक्य-भेद' पर आधारित निम्नलिखित प्रश्नों में से किन्हीं तीन के सही उत्तर लिखिए - (i) जिन वाक्यों से हर्ष ,आश्चर्य ,घृणा ,शोक आदि संबंधी भाव प्रकट हो वहाँ कौन- सा वाक्य प्रकट होता है? (ii) अर्थ की दृष्टि से वाक्य भेद बताइए । यदि वर्षा होती तो फसल अच्छी होती । (III) निम्नलिखित वाक्य को प्रश्नसूचक वाक्य में बदलिए । हमारी क्रिकेट टीम आस्ट्रेलिया दौरे पर जाएगी। (IV) अर्थ के आधार पर वाक्य के कितने भेद होते हैं ?	1×3=3
	खंड 'ग'- (पाठ्य पुस्तक)	
प्रश्न-9	निम्नलिखित पठित पद्यांश को पढ़कर पूछे गए प्रश्नों के सही विकल्प चुनकर लिखिए -	1×5=5

अब कैसे छूटै राम नाम रट लागी।

प्रभु जी, तुम चंदन हम पानी, जाकी अँग-अँग बास समानी।

प्रभु जी, तुम घन बन हम मोरा, जैसे चितवत चंद चकोरा।

प्रभु जी, तुम दीपक हम बाती, जाकी जोति बरै दिन राती।

प्रभु जी, तुम मोती हम धागा, जैसे सोनहिं मिलत सुहागा।

प्रभु जी, तुम स्वामी हम दासा, ऐसी भक्ति करै रैदासा।।

(ⅰ) प्रस्तुत पद किसके द्वारा रचित है ?

(क) रैदास

(ख) रहीम

(ग) मीराबाई

(घ) सूरदास

(ⅰⅰ) उपर्युक्त पद में कवि का भक्ति भाव किस प्रकार का है ?

(क) माधुर्य

(ख) अर्चना

(ग) दास्य

(घ) स्मरण

(ⅰⅰⅰ) प्रभु और भक्त के मिलन को किसके समान बताया है ?

(क) सोने में सुहागे के समान

(ख) चन्दन और बास के समान

(ग) चंद्रमा के सौंदर्य के समान

(घ) आकाश में छाए बादलों के समान

(ⅰv) मोती में पिरोए हुए धागे को किसकी संज्ञा दी गई है ?

(क) दीपक की

(ख) प्रभु की

	(ग) बादल की	
	(घ) भक्त की	
	(v) कथन (A) तथा कारण (R) को ध्यानपूर्वक पढ़िए। उसके बाद दिए गए विकल्पों में से एक सही विकल्प चुनकर लिखिए -	
	कथन (A): कवि को राम नाम की रट भूलती नहीं है।	
	कारण (R): वह प्रत्येक परिस्थिति में ईश्वर से जुड़े रहना चाहता है।	
	(क) कथन (A) तथा कारण (R) दोनों गलत हैं।	
	(ख) कथन (A) गलत है, लेकिन कारण (R) सही है। **(ग)** कथन (A) सही है, लेकिन कारण (R) उसकी गलत व्याख्या करता है।	
	(घ) कथन (A) तथा कारण (R) दोनों सही हैं तथा कारण (R) कथन (A) की सही व्याख्या करता है।	
प्रश्न-10	निम्नलिखित प्रश्नों में से किन्हीं तीन प्रश्नों के उत्तर लगभग 30-40 शब्दों में लिखिए। (i) 'जहाँ काम आवे सुई ,कहा करे तलवारि'– पंक्ति का आशय स्पष्ट कीजिए। (ii) कवि रहीम ने किस दृष्टान्त द्वारा सिद्ध किया है कि बिगड़ी बात नहीं बन सकती ? (iii) संत रैदास ने निम्न कुल के भक्तों को समभाव स्थान देने वाले प्रभु का गुणगान करते हुए क्या कहा है ? (iv) कवि रहीम के अनुसार विपत्ति में हमारा सहायक कौन बनता है ?	2×3=6
प्रश्न-11	निम्नलिखित पठित गद्यांश को पढ़कर पूछे गए प्रश्नों के सही विकल्प चुनकर लिखिए - जब अप्रैल में मैं बेस कैंप में थी, तेनजिंग अपनी छोटी सुपुत्री डेकी के साथ हमारे पास आये थे। उन्होंने इस बात पर विशेष महत्त्व दिया कि दल के प्रत्येक सदस्य	1×5=5

और प्रत्येक शेरपा कुली से बात की जाए। जब मेरी बारी आई, मैंने अपना परिचय यह कहकर दिया कि मैं बिल्कुल ही नौसिखिया हूँ और एवरेस्ट मेरा पहला अभियान है। तेनजिंग हँसे और मुझसे कहा कि एवरेस्ट उनके लिए भी पहला अभियान है, लेकिन यह भी स्पष्ट किया कि शिखर पर पहुँचने से पहले उन्हें सात बार एवरेस्ट पर जाना पड़ा था। फिर अपना हाथ मेरे कंधे पर रखते हुए उन्होंने कहा. "तुम एक पक्की पर्वतीय लड़की लगती हो। तुम्हें तो शिखर पर पहले ही प्रयास में पहुँच जाना चाहिए।"

(i) लेखिका के पास बेस कैंप कौन आया था?

(क) तेनजिंग   (ख) तेनजिंग की पुत्री डेकी

(ग) (क) (ख) दोनों

 (घ) लोपसांग   (ii) लेखिका ने अपना परिचय क्या कह कर दिया?

 (क) मैं नौसिखिया हूँ।   (ख) यह मेरा पहला अभियान है।

(ग) (क) – (ख) दोनों   (घ) मैं दक्ष हूँ।   (iii) तेनजिंग ने लेखिका से क्या कहा?

(क) तुम एक पक्की पर्वतीय लड़की लगती हो।   (ख) तुम्हें तो पहले प्रयास में ही शिखर पर नहीं पहुँचना चाहिए।   (ग) दोनों (क) और (ख)

 (घ) तुम कुछ भी कर सकती हो।

 (iv) 'पर्वतीय' शब्द में कौन-सा प्रत्यय है?

(क) पर्वत   (ख) तीय

(ग) ईय   (घ) य

(v) कथन (A) तथा कारण (R) को ध्यानपूर्वक पढ़िए तथा दिए गए विकल्पों में से एक सही विकल्प चुनकर लिखिए -

	कथन (A): लेखिका अपना परिचय देना चाहती थी। कारण (R): तेनजिंग हर सदस्य से मिलना चाहते थे। (क) कथन (A) तथा कारण (R) दोनों गलत हैं। (ख) कथन (A) गलत है, लेकिन कारण (R) सही है। (ग) कथन (A) सही है, लेकिन कारण (R) उसकी गलत व्याख्या करता है। (घ) कथन (A) तथा कारण (R) दोनों सही हैं तथा कारण (R) कथन (A) की सही व्याख्या करता है।	
प्रश्न-12	निम्नलिखित प्रश्नों में से किन्हीं तीन प्रश्नों के उत्तर लगभग 30-40 शब्दों में लिखिए। (i) भगवाना के इलाज और उसके मरने के बाद बुढ़िया के घर की आर्थिक स्थिति पर क्या प्रभाव पड़ा ? (ii) लेखक ने अतिथि को लौट जाने का संकेत देने के लिए क्या-क्या उपाय किए ? (iii) लेखक भगवाना की माँ की सहायता क्यों न कर सका ? (iv) 'तुम्हारे सामीप्य की बेला एकाएक यों रबर की तरह खिंच जाएगी, इसका मुझे अनुमान न था'- 'तुम कब जाओगे,अतिथि' पाठ के आधार पर आशय स्पष्ट कीजिए।	2×3=6
प्रश्न-13	निम्नलिखित प्रश्नों में से किन्हीं दो प्रश्नों के उत्तर लगभग 50-60 शब्दों में लिखिए- (i) लेखिका का ध्यान आकर्षित करने के लिए गिल्लू क्या करता था ? पालतू पशु अपने प्रेम का प्रदर्शन किस प्रकार करते हैं ? 'गिल्लू' पाठ के आधार पर उत्तर लिखिए। (ii) मनुष्य के अनुमान और भावी योजनाएँ कभी-कभी कितनी उल्टी साबित होती हैं, स्मृति पाठ के आधार पर अपने विचार लिखिए। (iii) साँप को चक्षुश्रवा क्यों कहते हैं? लेखक ने साँप के इस गुण का अनुभव कब और कैसे किया?	4x2=8

प्रश्न-14	**निम्नलिखित में से किसी एक विषय पर संकेत बिंदुओं के आधार पर लगभग 100-120 शब्दों में अनुच्छेद लिखिए।** (ⅰ) युवा पीढ़ी के कर्तव्य • **आदर्श युवक** • **युवक देश के भविष्य** • **कर्तव्यों से अधिकारी की प्राप्ति** (ⅰⅰ) ग्लोबल वॉर्मिंग • **तात्पर्य (परिभाषा)** • **धरती पर तापमान में वृद्धि** • **कारण एवं निवारण** (ⅰⅰⅰ) ऑनलाइन गेमिंग • **बढ़ता प्रचार** • **तनाव की प्रकृति** • **दूर करने के उपाय**	**5**
प्रश्न 15	**'प्रातः भ्रमण स्वास्थ्य के लिए वरदान है।' इसका महत्व बताते हुए पिता की ओर से अपने पुत्र को 100 शब्दों में पत्र लिखिए ।** **अथवा** **संयुक्त परिवार की उपयोगिता बताते हुए अपने छोटे भाई को 100 शब्दों में पत्र लिखिए ।**	**5**

प्रश्न 16	नीचे दिये गए चित्र को ध्यानपूर्वक देखकर व समझकर उसका वर्णन लगभग 100 शब्दों में लिखिए।	**5**
प्रश्न 17	दो मित्रों के मध्य जंक फ़ूड पर हुई बातचीत को लगभग 100 शब्दों में संवाद के रूप में लिखिए। अथवा दो छात्रों में प्रतियोगी परीक्षाओं के विषय में की गई चर्चा को लगभग 100 शब्दों में संवाद के रूप में लिखिए।	**5**

Mathematics

Class IX

SAMPLE PAPER

Term 1(2024-25)

Time: 3 hours.   M.M.: 80

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 Questions of 5 marks, 2 Questions of 3 marks and 2 Questions of 2 marks has been provided. An internal choice has been provided in the 2 marks questions of Section E.**
8. **Draw neat figures wherever required. Take π =22/7 wherever required if not stated.**

	SECTION A	
S.No.	**SECTION A consists of 20 Questions of 1 Mark each**	**Marks**

1.	Which of these is equivalent to $9^{3/4} \times 27^{1/5}$? a) $3^{\left(\frac{3}{2}+\frac{3}{5}\right)}$ b) $3^{\left(\frac{3}{4}+\frac{3}{5}\right)}$ c)$3^{\left(\frac{3}{2}-\frac{3}{5}\right)}$ d) $3^{\left(\frac{3}{4}-\frac{3}{5}\right)}$	1
2.	Ordinate of all points on x-axis is a) 0 b) 1 c) -1 d) any non- zero real number	1
3.	If p(x) = x² -2$\sqrt{2}$x +1 then p(2$\sqrt{2}$) is a) 4$\sqrt{2}$ b) 0 c) 1 d) 8$\sqrt{2}$ +1	1

4.	The decimal expansion of the number $\sqrt{3}$ is
	
	   a) 1.73205 b) a finite decimal
	
	   c) non terminating non recurring d) non terminating repeating
		1

5.	If volume of a cuboid is 2x² -8 then its possible dimensions are a) 2,2,2 b) 2, (x+2$\sqrt{2}$) ,(x-2$\sqrt{2}$) c) 2, (x+2) ,(x-2) d) 2, (x+$\sqrt{2}$), (x-$\sqrt{2}$)	1
6.	Zero of zero polynomial is a) 0 b)1 c) does not exist d) any real number	1

7.	The perpendicular distance of the point M(3,10) from y- axis is a) 3　　　　　b)10　　　c) −7　　　　　d)13	1
8.	The number of dimensions, a surface has 　　a) 1　　b) 2　　　c) 3　　　d) 4	1
9.	Distance between the graphs of the equations y = −4 and y = 4 is a) 2 units　　　　b) 4 units　　c) 6 units　　　d) 8 units	1
10.	" If equals be added to the equals, the wholes are equal" is stated in the form of a) an axiom　　b) a definition　　c) a postulate　　d) a proof	1
11.	The supplement of an angle is 3 times its complement, then the measure of the angle is a) 45°　　b) 40°　　c)90°　　d) 50°	1
12.	In fig. $l_1 \parallel l_2$, the value of x is	1
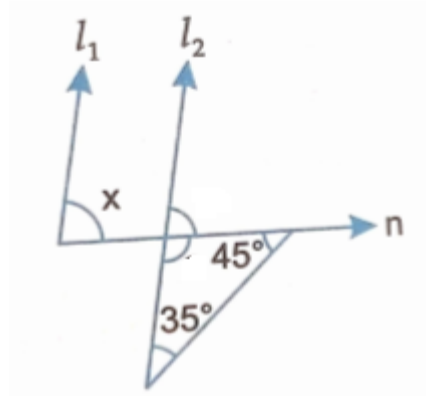
a) 80°   b) 100°   c) 110°   d) 70°

13.	Area of an equilateral triangle is $81\sqrt{3}cm^2$, then its semi- perimeter is a) 18 cm b) 36 cm c) 24 cm d) 27cm	1
14.	In fig., a is greater than b by one third of a right angle. The values of a and b are: a) 105°, 75 ° b) 100°, 80° c) 95°, 85° d) 110°, 70°	1
15.	In the given figure , the value of z in terms of x and y is 	1
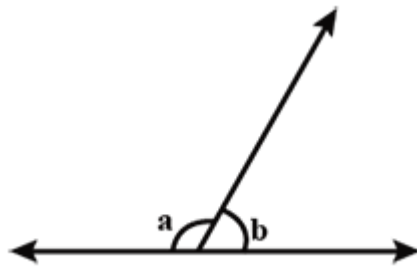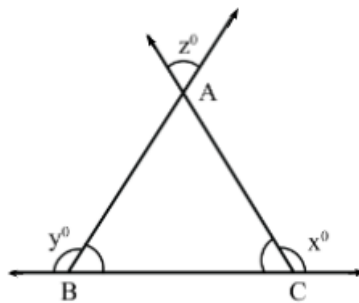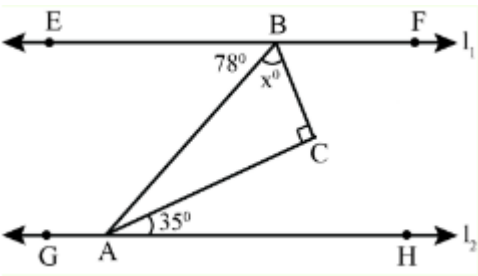
	a) x +y+180° b) x+y -180° c) x+y+360° d) 180° - (x+y)	
16.	In $\triangle ABC$ and $\triangle PQR$, AB = QP, $\angle$ B = $\angle$P and BC = PR. State which of the congruence condition applies: a) SAS b) ASA c) SSS d) RHS	1
17.	The area of a right angled isosceles triangle is 8 cm². The length of its hypotenuse is a) $\sqrt{32}$ cm b) $\sqrt{16}$ cm c) $\sqrt{48}$cm d) $\sqrt{24}$ cm	1
18.	In fig., the value of x for which $l_1 \parallel l_2$ is a) 37° b) 43° c) 45° d) 47°	1

DIRECTION: In the question number 19 and 20, a statement of Assertion (A) is followed by a statement of Reason (R). Choose the correct option :
(a) **Both Assertion (A) and Reason(R) are true and Reason(R) is the correct explanation of Assertion (A).**
(b) **Both Assertion (A) and Reason(R) are true but Reason(R) is not the correct explanation of Assertion (A).**
(c) **Assertion (A) is true but Reason(R) is false.**
(d) **Assertion (A) is false but Reason(R) is true.**

19. **Assertion(A):** $2x - 3y = 8$ has a unique solution.

    Reason(R): $x = 4$, $y = 0$ and $x = 0$, $y = \frac{-8}{3}$ are two solutions of $2x - 3y = 8$.

    1
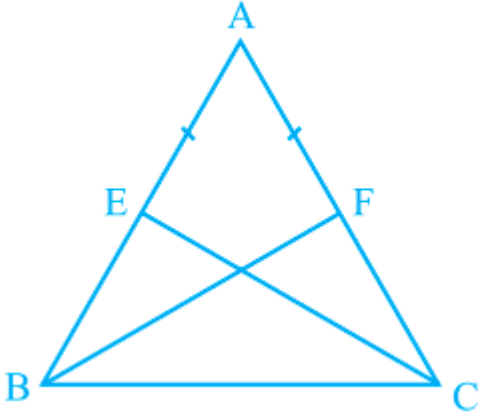
20. **Assertion (A):** In the given figure BA∥DE , BC ∥ EF and $\angle ABC = 80°$, then $\angle DEF = 100°$.

    1
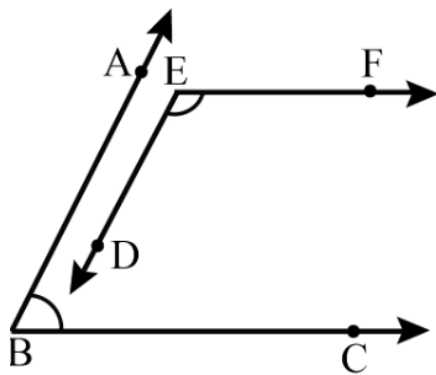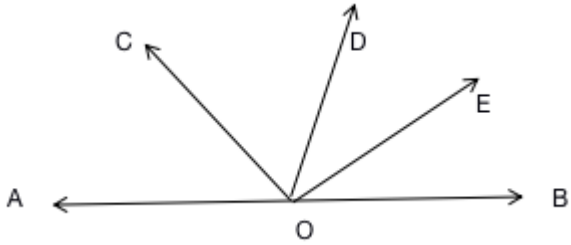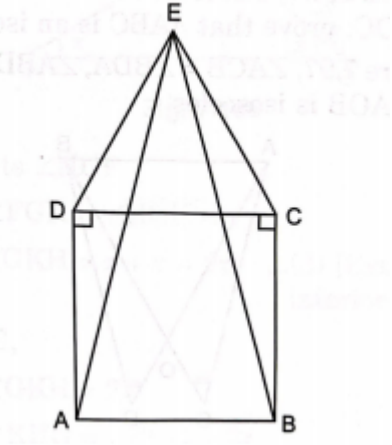
    Reason(R): If a transversal intersects two parallel lines, then each pair of corresponding angles are equal and each pair of consecutive interior angles are supplementary.

S.No.	**Section B**	Marks
	Section B consists of 5 questions of 2 marks each.	
21.	If x^2-1 is a factor of ax^3+bx^2+cx+d then show that $a+c=0$. OR If $x+2k$ is a factor of $f(x)= x^5-4k^2x^3+2x+2k+3$, find the value of k.	2
22.	E and F are respectively the midpoints of equal sides AB and AC of ABC. Show that BF = CE. 	2
23.	If $\Pi x + 3y = 25$, write x in terms of y. Also find one solution of the given equation in terms of Π.	2
24.	Express $0.\overline{037}$ in the form of $\frac{p}{q}$, where p and q are integers and q≠ 0.	2

25.	Ray OD stands on a line AOB. Ray OC and ray OE are the bisectors of $\angle$AOD and $\angle$DOB respectively. Find $\angle$COE. 	2
	Section C	
S.No.	**Section C consists of 6 questions of 3 marks each.**	**Marks**
26.	Represent $\sqrt{3.8}$ on a number line.	3
27.	If a,b,c are all non zero and a+b+c =0 then prove that $\dfrac{a^2}{bc} + \dfrac{b^2}{ca} + \dfrac{c^2}{ab} = 3$ OR Factorise: $x^3 - 23x^2 + 142x - 120$.	3

28.	Prove that in an isosceles triangle, angles opposite to equal sides are equal. OR ABCD is a square and $\triangle$DEC is an equilateral triangle. Prove that i) AE = BE ii) $\angle$DAE = 15° 	3
29.	The sides of a triangular plot are in the ratio 3:5:7 and its perimeter is 300 m. Find its area.	3
30.	In the figure given below, PQR is an equilateral triangle in which coordinates of Q and R are (0,4) and (0,-4) respectively. Find the coordinates of the vertex P. Also find the length of PR.	3
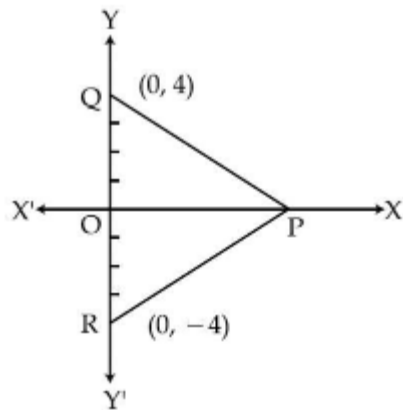
| 31. | The point (2,3) lies on the graph of the linear equation $3x - (a - 1)y = 2a - 1$. If the same point also lies on the graph of the linear equation $5x + (1 - 2a)y = 3b$, find the value of b. | 3 |

Section D

S.No.	**Section D consists of 4 questions of 5 marks each.**	Marks
32.	Find the values of a and b if $\dfrac{7 +\sqrt{5}}{7- \sqrt{5}} - \dfrac{7 -\sqrt{5}}{7+ \sqrt{5}} = a + \dfrac{7}{11} \sqrt{5}\, b$ OR Simplify: If $x = \dfrac{\sqrt{3} +\sqrt{2}}{\sqrt{3}- \sqrt{2}}$ and $y = \dfrac{\sqrt{3} -\sqrt{2}}{\sqrt{3}+ \sqrt{2}}$ then find the value of $x^2 +y^2$.	5

33.	If $f(x) = x^4 - 2x^3 + 3x^2 - ax + b$ is a polynomial such that when it is divided by (x-1) and (x+1) , the remainders are 5 and 19 respectively. Determine the remainder when f(x) is divided by (x-2).	5
34.	A part of monthly expenses of a family on milk is fixed is ₹ 3000 and the remaining varies with the quantity of milk, taken extra at the rate of ₹ 50 per litre. Taking the quantity of milk required extra as x litres and the total expenditure on milk as ₹ y, write the linear equation for this information and draw its graph. From the graph, find the monthly expenditure if the quantity of extra milk required is 6 litres. OR The auto-rickshaw fare in a city is charged as ₹10 for the first kilometre and at the rate of ₹4 per kilometre for subsequent distance covered. Taking the total distance travelled in an auto-rickshaw as x km and total fare as ₹ y, write the linear equation in standard form to express the above statement. Draw the graph of the linear equation.	5
35.	AB is a line segment. Points P and Q are on the opposite sides of AB such that each of them is equidistant from the points A and B . Show that PQ is the perpendicular bisector of AB. OR ABC is an isosceles triangle in which AB = AC. Side BA is produced to D, such that AD = AB. Show that $\angle$ BCD is a right angle.	5

	Section E	
S.No.	**Section E consists of 3 Case study based questions of 4 marks each.**	**Marks**
36.	Democracy has given people a powerful right, that is to vote. In India every citizen over 18 years of age has the right to vote. Instead of enjoying it as a holiday one must vote if he/she truly wants to contribute to the nation building process and bring about a change. A survey was done in a small area in which $3+x\sqrt{2}$ voters were men and $\dfrac{5}{3+x\sqrt{2}}$ voters were women. Based on the above information answer the following questions: a)Write the conjugate surd of $3+x\sqrt{2}$. b) Classify the following as Rational or Irrational number: $$(6-\sqrt{27})-(-\sqrt{27}-8)$$ c) Simplify $(\sqrt{14}-2\sqrt{2})^{2}$ OR Find two rational numbers between 0.121221222… and	 1 1
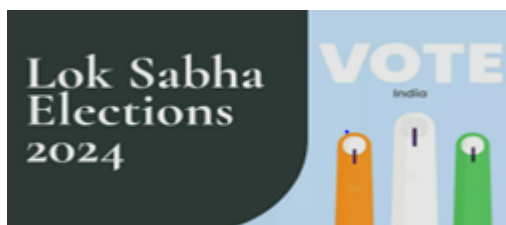
	0.141441444….	2
37.	Case Study 2: Shown below is the picture of tree A that has broken in a storm and its broken part is leaning on two neighbouring trees(standing erect) B and C. The broken part of tree A leans on the major stem of tree B at an angle of p = 54°. The diagram of the picture is drawn alongside showing angles x,y,z and w being formed and the marked points P,Q,R,S,T,U and V. 	
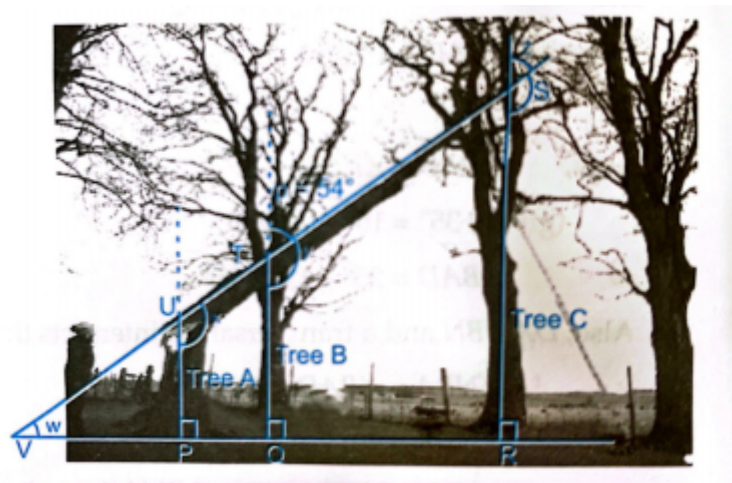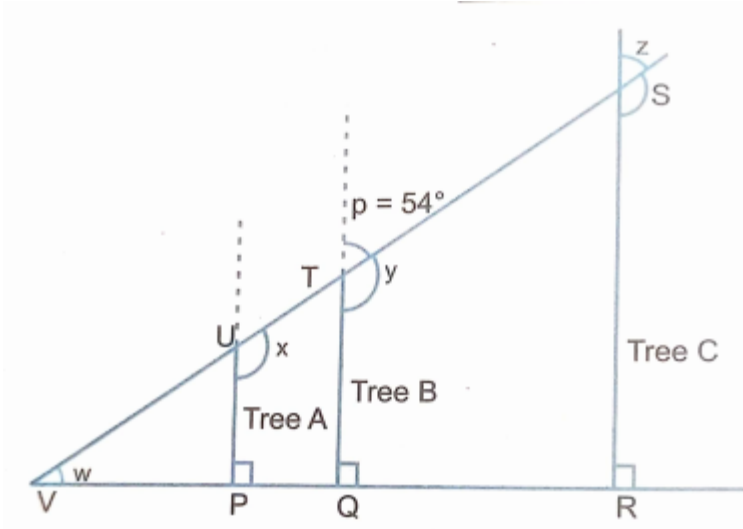
i) Find the measure of angle y.   1

ii) Find the measure of angle x.   1

iii) If the line representing the broken tree is extended to meet the ground level line RP at V forming an angle w then find the measure of angle w .

OR

Find the ratio of measure of angle z and y.   2

38.   Case Study -3

PLAN OF A LAWN: **Green lawns** and blooming **flower beds** require the right amount of water. Every plant needs a gentle coverage with a durable metal oscillating sprinkler. For the upcoming new housing residential real estate projects in Gurgaon a plan was proposed by RWA in which two crossroads X and Y pass in the middle of the lawn as shown in the figure below. Four flower beds of different 2D- shapes have to be constructed in the four quadrants. Consider the two crossroads as x- axis and y-axis and answer the following questions:
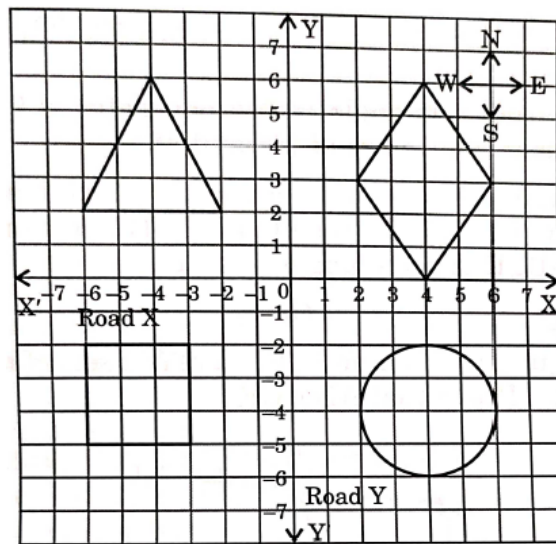
i) Find the coordinates of the centre of the circle shaped flower bed.   1

ii) What would be the length of fencing required to fence the circular flower bed?   1

iii) Find the area of the triangular flower bed and calculate the cost of manuring at the rate of ₹5 per m^2.

		OR	
		Find the length of the perpendiculars from the centre of the circle to x axis and y axis respectively. Also write the coordinates of the foot of the perpendicular from the centre of the circle on both the axes.	2

SAMPLE PAPER (2024-25)

Class IX Science (086) Theory

Time: 3 Hours   **Maximum Marks: 80**

General Instructions:

(i) The question paper comprises five sections A, B, C ,D and E. There are 39 questions in the question paper. All questions are compulsory.

(ii) Section–A - question no. 1 to 20 - all questions and parts thereof are of one mark each. These questions contain multiple choice questions (MCQs), very short answer questions and assertion - reason type questions. Answers to these should be given in one word or one sentence.

(iii) Section–B - question no. 21 to 26 are short answer type questions, carrying 2 marks each. Answers to these questions should be in the range of 30 to 50 words.

(iv) Section–C - question no. 27 to 33 are short answer type questions, carrying 3 marks each. Answers to these questions should be in the range of 50 to 80 words.

(v) Section–D – question no. - 34 to 36 are long answer type questions carrying 5 marks each. Answers to these questions should be in the range of 80 to 120 words.

(vi) Section E consists of three case based questions of 4 marks each. with sub parts.

(vi) There is no overall choice. However, internal choices have been provided in some questions. A student has to attempt only one of the alternatives in such questions.

(vii) Wherever necessary, neat and properly labelled diagrams should be drawn.

SECTION A		
No.	**Questions**	**Marks**

1.	Which of the following is the correct order of intermolecular forces of attraction? a) Water>Air>Sand b) Air>Sugar>Oil c) Air<Water<Sugar d) Salt>Air>Juice	1
2.	A 10% (mass by mass) solution of glucose in water signifies : (a) 10 grams of glucose dissolved in 100 grams of water. (b) 10 grams of glucose dissolved in 90 grams of water. (c) 20 grams of glucose dissolved in 200 grams of water. (d) 20 grams of glucose dissolved in 90 grams of water.	1

3.	Which of the following phenomena would increase on raising the temperature?
	
	(i) Diffusion
	(ii) Evaporation
	(iii) Compression of gases
	(iv) Solubility of a gas in liquid
	(v) Expansion of gases
	
	   (a) (i), (ii) and (iii)
	   (b) (ii), (iii) and (iv)
	   (c) (i), (ii) and (v)
	   (d) (i), (iii) and (iv)
		1

4.	Pick out the INCORRECT statement from the following regarding the nature of compound, FeS (a) It is not attracted to magnets. (b) Elements have combined in a fixed ratio in its formation (c) It is soluble in carbon disulphide (d) Its properties are different from its constituents.	1
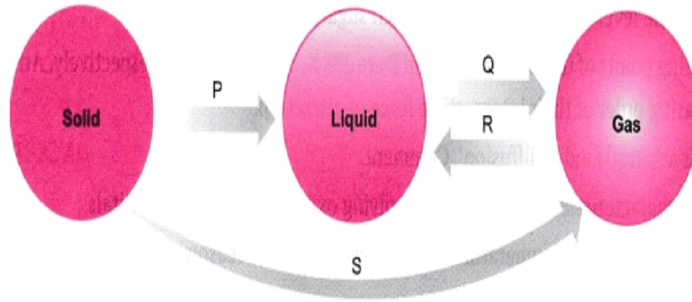
5.	Identify P, Q, R and S in the diagram given above. a) P-Fusion, Q-Vaporization, R-Condensation, S- Sublimation b) P-Vaporization, Q-Condensation, R-Fusion, S- Sublimation c) P-Sublimation, Q-Vaporization, R-Fusion, S- Sublimation d) P-Fusion, Q-Condensation, R-Vaporisation, S- Sublimation	

6.	Which of the following materials will combine to form a sol?
	(i) Water (ii) Oil
	(iii) Air (iv) $Mg(OH)_2$
	(v) Milk
	
	    (a) (i) and (iii)
	    (b) (ii) and (v)
	    (c) (i) and (v)
	    (d) (i) and (iv)
		1
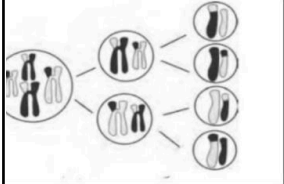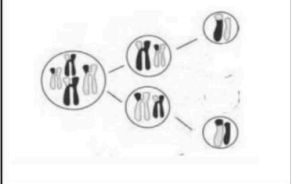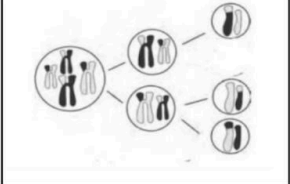
7.	When heat is constantly supplied by a burner to boiling water, then the temperature of the water during vapourisation: (a) Rises very slowly (b) Rises rapidly until steam is produced (c) First rises and then becomes constant (d) Does not rise at all	1

8.	Identify the cell structure which permits the plant cells to withstand a very dilute (hypotonic) solution without bursting. a) Cell membrane b) Cell wall c) Large sized vacuole d) Chloroplast	1
9.	An animal cell is kept in a solution for an hour in which water concentration is exactly the same as inside the cell. Identify the correct pair for the cell and the type of solution. a) Cell swells : Hypotonic solution b) Cell shrinks : Hypertonic Solution c) No change in the cell : Isotonic solution d) Cell bursts : Isotonic solution	1
10.	Identify the figure that depicts the correct number of daughter cells formed in meiosis: 	1

11.	Given below are the steps involved in the synthesis, modification and transfer of proteins in a cell:
	
	   I. Proteins are manufactured in the ribosomes.
	   II. Modifications of proteins in the golgi complex
	  III. Proteins are sent to endoplasmic reticulum
	  IV. Vesicles carry package proteins to the outside of the cells
	
	Choose the correct sequence-
	
	    a) I, II, III, IV
	
	    b) I, III, II, IV
	
	    c) II, I, III, IV
	
	    d) I, III, IV, II
		1

12.	Match the column A with column B and Choose the correct option:-	1

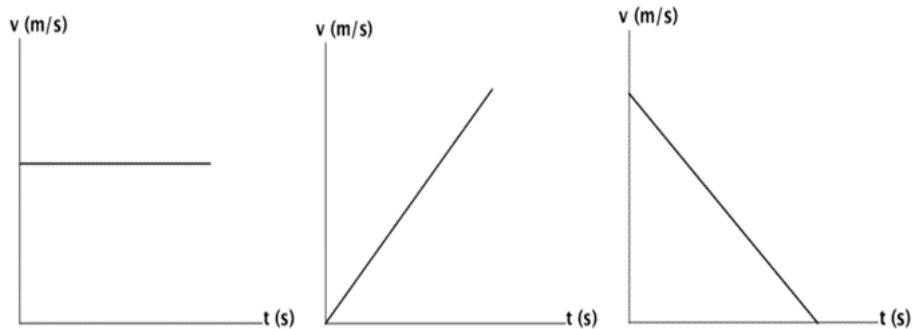| Column A Name of the Scientist	Column B Contribution
A. Robert Hooke	1] Observed nucleus
B. Schleiden and Schwann	2] Protoplasm
C. Robert Brown	3] Cell theory
D. Purkinje	4] honeycomb like structure- Cells

   a) A-3,B-4,C-1,D-2

   b) A-1,B-2,C-3,D-4

   c) A-2,B-4,C-1,D-3

   d) A-4,B-3,C-1,D-2

13.	The type of forces acting in these cases are-	1

A. Case 1   unbalanced; Case 2 balanced; Case 3 unbalanced

B. Case 1   balanced; Case 2 unbalanced; Case 3 unbalanced

C. Case 1   balanced; Case 2 balanced; Case 3 unbalanced

D. Case 1   unbalanced; Case 2 unbalanced; Case 3 unbalanced
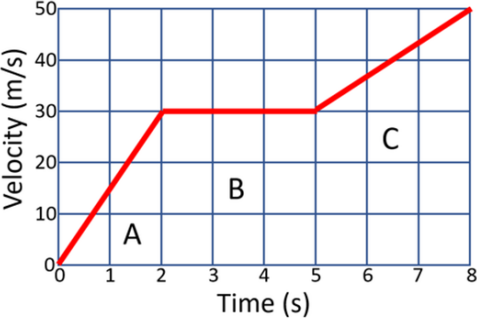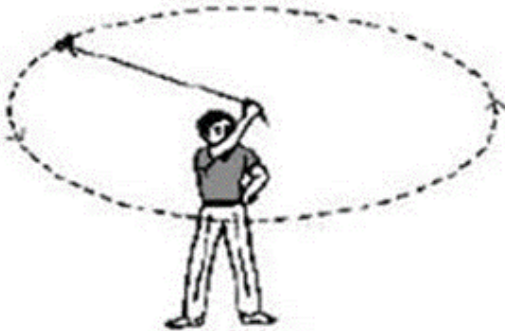
14	By applying a force of 1 N, one can hold an object of approximate mass(g=10m/s²): A. 10 Kg B. 100 mg C. 100 g D. 10 g	1
15	The girth of a dicotyledonous stem increases due to the activity of: a) Intercalary meristem b) Lateral meristem c) Apical meristem d) Cork	1
16	Which of the following is a **correct** statement regarding phloem? I) Transports water and minerals II) Translocates food III) Movement in it is unidirectional. IV) Movement in it is bi-directional Choose the correct option: a. I and III b. II and III c. I and IV d. II and	1
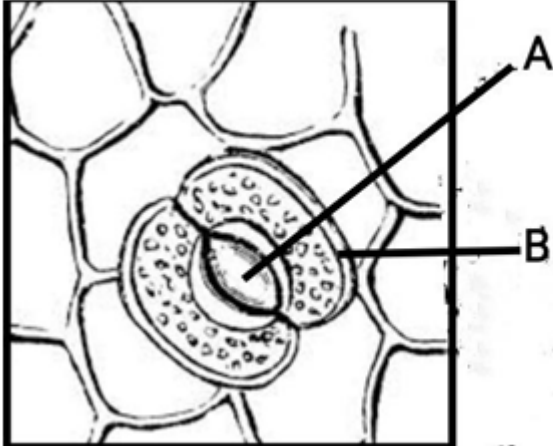
For question numbers **17-20 ,** two statements are given- one labelled **Assertion (A)** and the other labelled **Reason (R).** Select the correct answer to these questions from the codes (a), (b), (c) and (d) as given below:

a) Both A and R are true, and R is the correct explanation of the assertion.

b) Both A and R are true, but R is not the correct explanation of the assertion.

c) A is true, but R is false.

d) A is false, but R is true.

17	**Assertion:** The inner membrane of mitochondria is deeply folded. **Reason:** It creates a large surface area for ATP generation.	1
18.	**Assertion: -** Epidermal tissue forms a continuous layer without intercellular spaces. **Reason:** This layer helps in loss of water and protects from mechanical injuries.	1
19.	**Assertion** : Ball is falling towards the centre of earth due to the force acting on it by earth but motion of earth towards the ball is not noticed. **Reason**- Force acting on both ball and earth are equal in magnitude and acceleration is inversely proportional to the mass.	1
20.	**Assertion:** A solution can scatter a beam of light passing through it. **Reason:** The particles of solution are smaller than 1 nm in diameter.	**1**

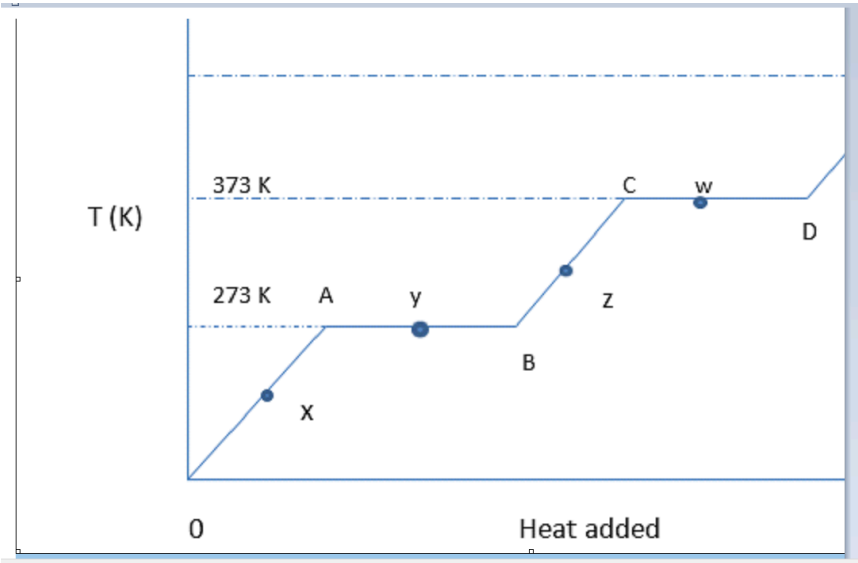**SECTION B**

21.	From the given velocity time graph of a body
	
	    a) Identify the time interval where the body is in uniform motion
	
	    b) Calculate the displacement of the body in the above time interval.
	
		2

22.	A farmer standing midfield scares away the birds by tying a small piece of stone to a thread and moves it in a motion as shown in the figure below; a) Identify the type of motion of the stone in the above case . Mention the number of times the direction of motion is changing in one rotation. b) Write the mathematical expression to calculate the speed of the stone in this type of motion. **OR** a) An athlete takes 11 seconds to go once around a circular path of radius 7 m at a uniform pace. What is his speed? b) Why is the motion of Athlete an accelerated motion?	2

23.	Obtain an expression for acceleration due to gravity '**g**' acting on an object of mass '**m**' situated on the surface of earth.	2
24.	A rubber band and a sponge contradict the properties of solids. Which properties do they contradict? Why are they still considered solids?	2
25.	Given below is an epidermal peel with stomata of a dicotyledonous plant. a) Label parts **A** and **B** of stomata. b) Give two important functions of stomata.	2
26.	Differentiate between a bacterial cell and an animal cell, on the basis of their: a) Nuclear region b) Chromosome shape **OR** Identify the type of cell division depicted in the given diagram and also mention its significance	2
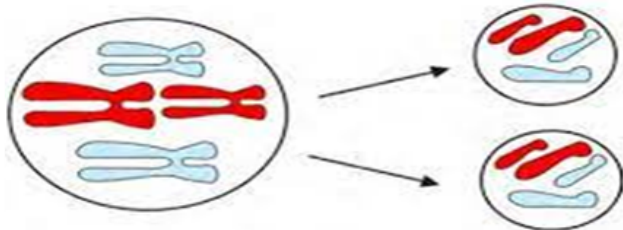
SECTION C

27.	A car accelerates uniformly from 18 km/h to 36 km/h in 5 s. Calculate the a) acceleration b) distance covered by car at that time.	3
28.	a)) At a time when it is cloudy, there may be frequent thunder and lightning. The sound of thunder takes some time to reach you after you see the lightning .Give reason b) Distinguish between speed and velocity.(any two points)	3
29.	a) State Newton's second law of motion . b) Newton's first law is a special case of second law .Explain.	3
30.	A little salt is sprinkled on a piece of peeled raw potato and water is observed after a few minutes around it. a) Name and describe the phenomenon observed. b) Would you be able to observe the same phenomenon when a piece of boiled potato is taken in place of raw one? Give a reason.	3
31.	Identify and give one function for each of the given plant tissues-	3

	a) Dead tissues present around the vascular bundles in a monocotyledonous plant. b) Tissues present in the tendrils and stems of climbers. c) Tissues present in the outer layer of bark of an old tree. OR It has been observed that as a dicotyledonous plant such as mango grows older, it becomes woody and width increases. a) Explain how it becomes woody and thick. b) Mention the characteristic feature of the tissue forming the outer layers.	
32.	(i) "Rusting of Iron is a chemical change". Justify this statement. (ii) Sunlight passing through the canopy of a dense forest gets scattered. Explain this observation.	1+2
33.	Given below is a Temperature vs Heat given graph for a substance. Answer the following questions based on this graph. a) In which physical state does the substance exist at point Y?	3

	b) Which line of the graph represents change of state without undergoing change in any temperature? Give reason in support of your answer?	
	SECTION D	

34.	a) Name and Define the physical quantity whose SI unit is Kgm/s.
	
	b)Plot the following graphs-
	
	   i)momentum versus velocity when mass is fixed
	
	   ii) momentum versus mass when velocity is fixed.
	
	c) A cricket player lowers his hand at the time of holding a catch. Give a reason.
	
	OR
	
	a) Name the physical quantity which represents the rate of change of momentum. Write its SI unit.
	
	b)A truck of mass **M** is moved under a force **F**. If the truck is then loaded with an object equal to the mass of the truck and the driving force is halved, then how does the acceleration change?
	
	c)A karate player breaks a slab of ice with a single blow of his hand . Give a reason.
		5

35.	a) The teacher instructed three students, 'A', 'B' and 'C', to prepare a solution of sodium hydroxide(NaOH) in water. 'A' dissolved 50 g of NaOH in water to make 200 mL of solution, 'B' dissolved 50g of NaOH in water to make 50 ml of solution while 'C' dissolved 50g of NaOH in water to make 100 mL of solution. Which one of them has prepared a 50% (mass/volume) solution of NaOH in water? Justify with the help of calculations. b) The students were asked to prepare a 10% (mass/mass) sugar solution in water during an experiment. Ramesh dissolved 10 g of sugar in 100 g of water while Sarika prepared it by	5

dissolving 10 g of sugar in water to make 100 g of the solution. Compare the mass % of the two solutions and state who prepared a more concentrated solution.

OR

A group of students took an old shoe box and covered it with a black paper from all sides. They fixed a source of light (a torch) at one end of the box by making a hole in it and made another hole on the other side to view the light. They placed a glass tumbler containing milk in the box as shown in the figure. They were amazed to see that milk taken in the tumbler was illuminated. They tried the same activity by taking a salt solution but found that light simply passed through it.

(a) Explain why the milk sample was illuminated. Name the phenomenon involved.

- Shoe box
- Glass tum containing
- Source of light
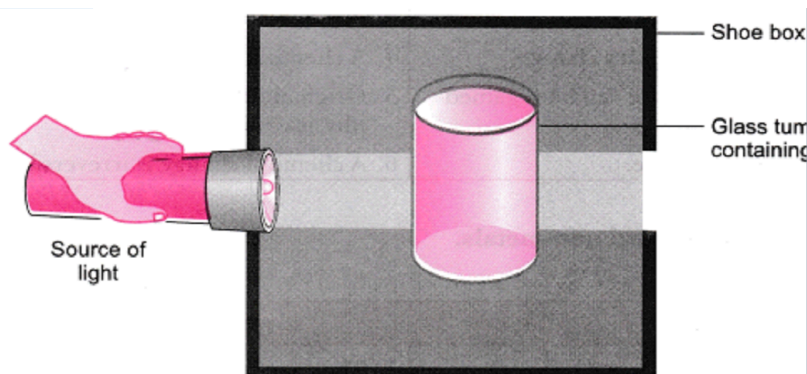
(b) Same results were not observed with a salt solution. Explain why?

(c) Suggest two more mixtures which would show the same effect as shown by milk?

| 36. | Study the given below picture of an animal cell and answer the questions that follows. | 5 |
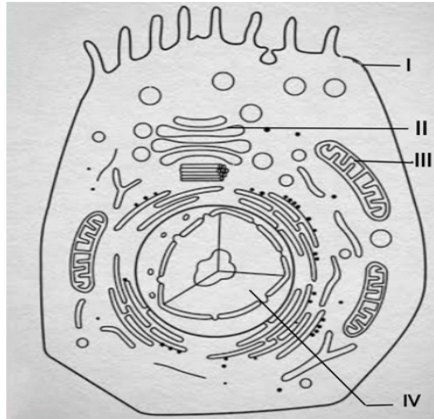
a) Label parts **I, II, III** and **IV** and give one function of each.

b) Give one difference between plant cell and animal cell on the basis of size of the vacuole.

OR

a) Grass looks green, papaya looks yellow. Which cell organelle is responsible for this?
b) Draw a well labelled diagram of a eukaryotic nucleus with ANY FOUR labels.
c) How is this nucleus different from a prokaryotic nucleoid?

SECTION E

37	Radha observed that leaves of many trees had fallen but branches of trees and the tendrils of potted plants remained intact, without any damage after a huge storm.	4
	a) Mention the tissue which helps to provide mechanical strength to the tendrils.	
	b) What is the location of this tissue in a leaf?	
	c) Draw a well labelled diagram of this tissue.	
	OR	

	c) Name the dead tissue which provides mechanical strength to the plant and mention the cell wall material which makes the cells non- living.	
38	100 ml of water was placed in four vessels A, B, C, D. Vessels A, C and D are of the same size, vessel B is smaller. Vessel C is covered and vessel C and D are placed under a fan. The beakers were kept undisturbed for 2 hours.	4

Placed under fan
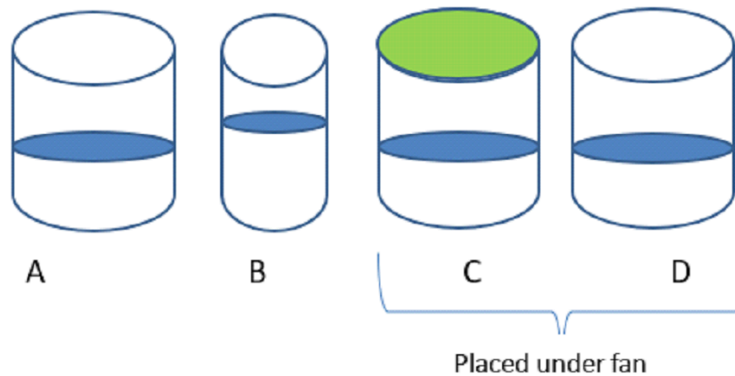
(a) In which beaker water level will decrease by the maximum extent. Give a reason.
(b) Arrange beakers A, B, C and D in decreasing order of the water level present in them after 2 hours?
(c) Hot tea can be sipped more easily from a saucer than from a cup. Explain why?

OR

(c) Given below is the temperature and humidity data for some states:

STATE	MAX TEMPERATURE	MINIMUM TEMPERATURE	HUMIDITY
Delhi	44^0C	34^0C	55%
Mumbai	35^0C	28^0C	85%
Rajasthan	48^0C	35^0C	20%

In which state will desert cooler be most effective and why?

| 39 | Every object that has mass exerts a gravitational pull or force on every other mass. The strength of this pull depends on the masses of objects at play. Gravity keeps the planets in orbit around the sun and the moon around the Earth. Your weight on other planets is a result of your mass,the strength of gravity on the planet and the distance you are from the centre of it. Following table gives the values of weight of mass 25 kg on different Surfaces.

NAME OF PLACE   **VALUE OF WEIGHT**
Earth's equator   245 N
Centre of earth   0 N
Surface of earth   6850 N
Jupiter   612.5 N
Moon   40.8 N

a) Distinguish between Mass and Weight

b) State the significance of the universal law of Gravitation.

c) What is the ratio of i) **g** on Earth's equator and Jupiter

         ii) **G** on surface of Earth and Moon

OR

c) State the conditions under which **g** is numerically equal to **G** | 4 |

Time Allowed: 3 Hours   **Maximum Marks: 80**
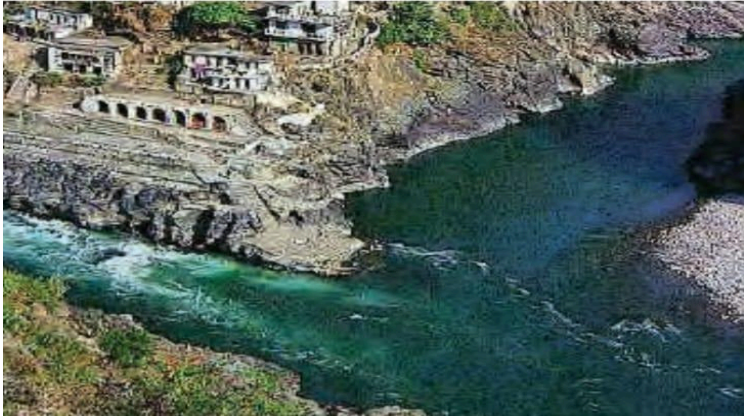
<u>General Instructions:</u>
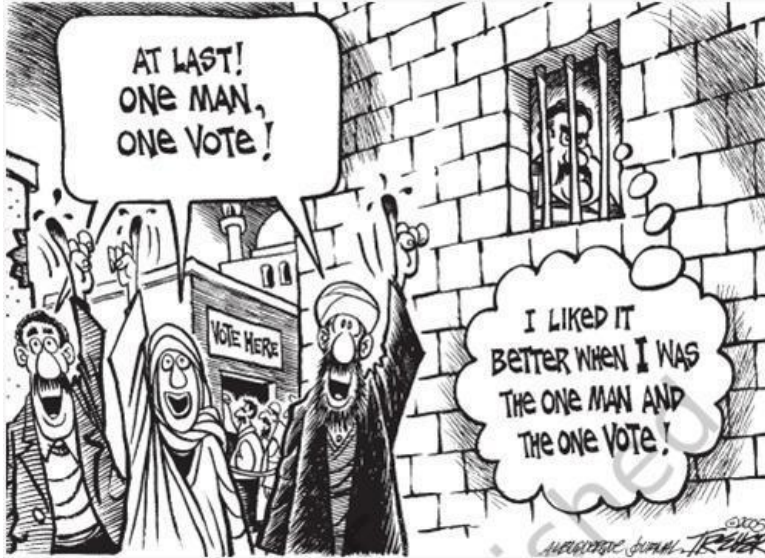
1. The question paper comprises Six Sections – A, B, C, D, E and F. There are 37 questions in the Question paper. All questions are compulsory.

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.25 to 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).

	SECTION A	
	MCQs (1X20=20)	

1	Given below are certain statements about events which took place in France in the 18th Century. Choose the **incorrect** statement.
	    a) The National Assembly completed the draft of the constitution in 1791
	    b) France became constitutional monarchy in 1791
	    c) All citizens got right to vote in 1791
	    d) The National Assembly was led by Mirabeau and Abbe Sieyes
		1

2	Identify the historical event based on clues given below
	i) Price of essential goods increased with decline in wages
	ii) Workers carried out strikes demanding reduction in working hours
	iii) Workers led by Father Gapon were attacked by police.
	
	Options:
	    a) October Revolution c) February Revolution
	    b) 1905 Revolution d) Civil War
		1

3	Given below is a list of historical events which took place in the European continent during the 19th-20th Century. Arrange them in the correct chronological sequence. i) Beginning of Collectivisation ii) Bolshevik Uprising iii) Debates over Socialism in Russia iv) Civil War **Options :** a)iii-iv-i-ii b) iii-ii-iv-i c) ii-iv-iii-i d) i-ii-iii-iv	1

4	Two statements are given in the question below as Assertion (A) and Reason(R). Read the statements carefully and answer the question that follows. **Assertion (A)**: Initially, many saw Napoleon as a liberator who would bring freedom for the people. **Reason (R):** He introduced many reforms like abolition of slavery Read the statements and choose the correct option. a)Both A and R are correct and R is the correct explanation of the A. b) Both A and R are correct but R is not the correct explanation of the A. c) A is correct, but R is incorrect. d) A is incorrect, but R is correct.	1

5	Identify the pair which is **incorrectly** matched.
	   a. A narrow sea channel separating India and Sri Lanka - palk strait
	   b. Canal connecting India and Europe - Suez canal
	   c. Latitude dividing India into two halves - tropic of Cancer
	   d. India's neighbouring countries in the east- Bangladesh and China
		1

6	Analyze the given statements and choose the **incorrect** option in reference to India's contribution during ancient times.
	   a. Exchange of ideas of Upanishads, Ramayana, stories of Panchtantra through land routes.
	   b. Export of spices, muslin clothes across the world.
	   c. India has contributed to the architectural styles of domes and minarets.
	   d. Contribution of Decimal system and numeral system to the world.
		1

7	Two statements are given below as Assertion (A) and Reason(R). Read the statements and choose the correct option.
	Assertion (A): Himalayas are also known as young fold mountains.
	Reason(R): The folds of Himalayas are asymmetrical in nature.
	Options-
	   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

8	Mohan lives in Punjab with rich and fertile soil and suitable climatic conditions to practice agriculture to earn his livelihood. Identify the type of relief feature he lives in.
	   a. Himalayan mountains
	   b. Northern plains
	   c. Peninsular plateaus
	   d. Great Indian Desert
		1

9	Match the column A showing Rivers with their places of origin given in column B.	1

Table for Q9:

Column A	Column B
A. Kaveri.	1.Amarkantak hills in Madhya Pradesh
B . Indus	2. Slopes of Western Ghats in Nashik district of Maharashtra
C. Godavari	3. Brahmagiri range of Western Ghats
D.Narmada	4. Mansarovar lake in Tibet

Options-
a. A1, B3, C4, D2
b. A3, B4, C1, D2
c. A4, B3, C2, D1
d. A3, B4, C2, D1

10	Choose the correct option for the geographical feature shown in the image.	1
	a. Formation of Peninsula b. Formation of Delta c. Formation of Devprayag d. Formation of Riverine islands	
11	Identify the river system with the help of information given below and choose the correct option. - This river rises in Tibet, east of Mansarovar lake. - In Tibet the river carries a smaller volume of water and silt. - It has a braided channel in its entire length and forms a riverine island. Options - a. Brahmaputra river system b. Ganga river system c. Narmada River system d. Indus river system	1
12	There are two statements given below, marked as Assertion (A) and Reason (R). Read the statements and choose the correct option. **Assertion (A)** :Democracy enhances the dignity of citizens **Reasoning (R)**: Democracy is based on the principle of political equality (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
13	Match the items given in Column A with Column B and choose the correct option given below:-	1

Column A	Column B
1. Referendum	a. Country and citizens are governed by set of laws
2. Coup	b. Indirect democracy

| 3. Representative Democracy | c. General vote by the electorate on a single political question |
| 4. Rule of Law | d. Illegal seizure of power |

Options-

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

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

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

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

---

14 Analyse the picture and answer the question-

Identify the leader given in the picture against whom the people are protesting.

    a.   Hitler

    b.   General Dyer

    c.   General Pervez Musharraf

    d.   Saddam Hussein

1

---

15 ' The Long Walk to Freedom' is an autobiography of-

a) Mahatma Gandhi

b) Aung San Suu Chi

c) Nelson Mandela

d) B.R. Ambedkar

1

16	We need Rights in a Democracy because i Rights protect minorities from the oppression of the majority. ii Rights ensure individual liberty. iii Rights guarantee certain limitations on an individual. iv Rights are placed higher than the government to check the government misuse of power. Select the correct option: (a) Only (iii). (b) Only (iv). (c) (i), (ii), (iii) and (iv). (d) Only (i), (ii) and (iv).	1
17	Identify the Fundamental Right with the help of given clues: ● All minorities have the right to establish and administer educational institutions of their choice. ● Any section of citizens with a distinct language or culture has a right to conserve it. (a) Right to Freedom. (b) Right to Equality. (c) Right to Constitutional Remedies. (d) Cultural and Educational Rights.	1
18	Match the items given in column A with column B and choose the correct option given below:	1

Column A	Column B
A) Fishing	i) Tertiary sector
B) Construction	ii) Primary Sector

C) Teaching	iii) Non market activity
D) Production for self consumption	iv) Secondary sector

Option:-   a) A-ii, B-iv, C-i, D-iii

b) A- i,B -ii,C-iii,D-iv

c) A -ii,B-iii,C-iv,D-i

d) A -iii,B-iv,C-ii,D-i

19	Identify the Government initiative taken to promote quality education on the basis of given statements:
	i) It promotes elementary education for children in the age group 6-14 years.
	ii) It is a time bound initiative and pioneered by Atal Bihari Vajpayee.
	iii) It is introduced by the Central Government in partnership with the state and local government.
	Options:
	  a) Mid Day Meal
	  b) Sarva Shiksha Abhiyan
	  c) Distance Education
	  d) Vocational Training
		1

20	Nandu is a 10 year old boy. He is living in a slum. He used to be a rag picker. His father is a construction labour. His mother washes dishes at homes in a nearby posh colony. One day an NGO came at the slum and made people aware about the benefits of education. They also set up classes for the education of the children of slums. Nandu used to go there daily. Within a few months he learnt counting, alphabets and some good habits like washing hands before eating. Now he helps his mother in making a household budget, checking the price of items which he buys from a nearby shop. He also teaches counting to his 6 year old sister at home.
	
	    Analyse the information given above, considering one of the following correct options.
	  a) Human capital formation
	  b) Physical capital formation
	  c) Non-market economic activity
	  d) Working capital
		1

	SECTION B	
	VERY SHORT ANSWER QUESTION (2X4=8)	

21	State any two causes which culminated into the Subsistence Crisis in France during the Old Regime.	2
22	Evaluate the significance of standard meridian for India in two points.	2
23	Give any two reasons why we need a Constitution.	2
24	'In India female workforce participation rate is very low.' Give reasons.	2
SECTION C		
SHORT ANSWER-BASED QUESTIONS (3x5=15)		
25	Enumerate the changes that occurred in Russia after the October Revolution.	3
26	Differentiate between the Himalayan and Peninsular river system of India by giving any three relevant points.	3
27	"Popular governments can be undemocratic and popular leaders can be autocratic." Justify the statement with special reference to Zimbabwe under Robert Mugabe's rule.	3
28	Explain the two types of unemployment prevalent in rural areas. Also mention the type of unemployment prevalent in urban areas. (2+1)	3
29	Briefly explain the measures that can turn the population of a country into a productive asset.	3
SECTION D		
LONG ANSWER-BASED QUESTIONS (5X4=20)		
30	'Women played an active role in bringing important changes in French society.' Elucidate OR ''Robespierre introduced many reforms during his reign to bring equality in French society'. Support the statement with five valid points	5
31	"All physiographic divisions of India are complementary to each other." Justify the given statement with the help of suitable examples. OR Explain the division of Northern plains on the basis of variation in relief. Also name any two states which are a part of the Northern Plains.	5
32	Explain the status of citizens' rights in Saudi Arabia with regards to their government. OR Explain the case of Ethnic Massacre during Milosevies rule in Kosovo, a province of Yugoslavia before its split.	5
33	'Unemployment has a detrimental impact on the overall growth of an economy.' Elucidate. OR Examine the role of health in human capital formation. Suggest any three steps taken by the Government in the field of health care. (2+3)	5
SECTION E		

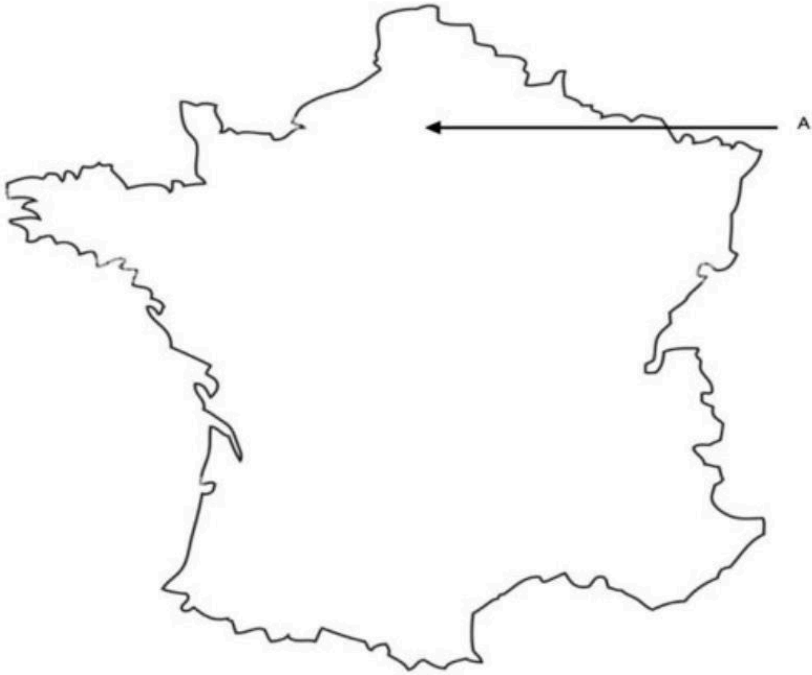|	CASE-BASED QUESTIONS (4X3=12)	

34	Read the source given below and answer the questions that follow:
	
	Official view of the opposition to collectivisation and the government response
	From the second half of February of this year in various regions of the Ukraine………
	mass insurrections of the peasantry have taken place, caused by distortions of the Party's
	line by a section of the lower ranks of the Party and the Soviet apparatus in the course of
	the introduction of collectivisation and preparatory work for the spring harvest.
	
	Within a short time, large scale activities from the above-mentioned regions carried over
	into neighbouring areas and the most aggressive insurrections have taken place near the
	border.The greater part of the peasant insurrections have been linked with outright
	demands for the return of collectivised stocks of grain, livestock and tools …..Between 1st
	February and 15th March, 25,000 have been arrested 656 have been executed, 3673 have
	been imprisoned in labour camps and 5580 exiled……
	
	-Report of K.M. Karlson, President of the State Police Administration of the Ukraine the
	Central Committee of the Communist Party, on 19 March 1930
	
	From: V. Sokolov (ed), Obshchestvo I Vlast, v 1930-ye gody
	
	    1. State any one emergency measure introduced by Stalin when he came to power.
	    2. Give the term for Collective farming under Stalin's regime.
	    3. Highlight any two ways in which Russians who resisted collectivisation were
	       treated in Russia
		4
		
		1
		1
		2

35	Analyse the picture and answer the questions given. 1. The above signboard is emblematic of the Apartheid Era. Identify the country from where this signboard has been taken. 2. 'The Apartheid system was particularly oppressive for the blacks.' Justify. 3. Name the organisation that led the struggle against the policies of segregation in South Africa.	4 1 2 1
36	Read the source given below and answer the following questions: The measures adopted by the government have increased the life expectancy to over 68 years in 2021.Infant mortality rate (IMR) has come down from 147 in 1951 to 28 in 2020.Crude birth rates have dropped to 20 (2020) and death rates to 6	4

(2020) within the same duration of time. Increase in life expectancy and improvement in child care are useful in assessing the future progress of the country. Increase in longevity of life is an indicator of good quality of life marked by self -confidence .Reduction in infant mortality involves the protection of children from infections, ensuring nutrition along with mother and child care.

36.1 Define the term infant mortality rate.   (1)

36.2 Assess any one reason for decline in IMR over the years. . (1)

36.3 Suggest any two measures taken by the government to increase the life expectancy in India.   (2)

SECTION F	
MAP SKILL-BASED QUESTION (2+3=5)	

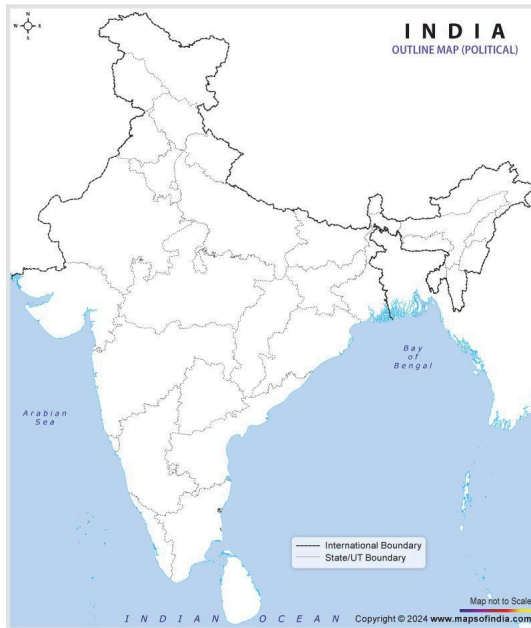| 37.1	I) On a given outline map of France identify the following.	2
	A) The fortress prison Bastille was located in THIS CITY.	1
	II) On a given outline map of the World identify the following.	
	B) This country was part of the Allied Powers in the First World War.	1
	37.1(A)	

37.1(B)

37.2 On an outline map of India, locate and label any **three** of the following features with the help of an appropriate symbol.
  A. State with capital Dispur
  B. Aravalli range
  C. Highest peak of western ghats
  D. A saltwater lake in Odisha

	SECTION A	
	MCQs (1X20=20)	
1	c) All citizens got right to vote in 1791	1
2	b) 1905 Revolution	1
3	b) iii-ii-iv-i	1
4	c) A is correct, but R is incorrect.	1
5	d. India's neighbouring countries in the east- Bangladesh and China	1
6	c. India has contributed to the architectural styles of domes and minarets.	1
7	b. Both A and R are true but R is not the correct explanation of A.	1
8	b. Northern plains	1
9	d. A3, B4, C2, D1	1
10	c. Formation of Devprayag.	1
11	a) Brahmaputra river system	1
12	(a) Both A and R are true and R is the correct explanation of A.	1
13	A. 1-c, 2-d, 3-b, 4-a	1
14	D. Saddam Hussein	1
15	C. Nelson Mandela	1
16	(c) (i), (ii), (iii) and (iv)	1
17	(d) Cultural and Educational Rights.	1
18	a) A-ii, B-iv, C-i, D-iii	1
19	(b) Sarva Shiksha Abhiyan	1
20	(a) Human capital formation	1
	SECTION B	
	VERY SHORT ANSWER QUESTION (2X4=8)	
21	1.The population of France increased from 23 million in 1715 to 28 million in 1789 this lead to increase in demand for food grains	2

	2.When the production of food grains could not keep pace with the growing demand, the price of bread, which was a staple food, increased rapidly. 3.On the other hand, wages could not keep pace with the rise in prices, So the gap between the poor and the rich widened. 4.Things became worse when drought or hail reduced the harvest. This led to a subsistence crisis .	
22	There is a 30 degrees (approx) longitudinal gap between easternmost and westernmost points of India which creates a time difference/lag of two hours. 1 degree= 4 minutes 30x4= 120 minutes or 2 hours Therefore to avoid confusion in time, the country has chosen standard meridian passing through Mirzapur in Uttar Pradesh at 82 degrees 30 minutes E longitude. This will eliminate the chaos in railway or air schedules within the country.	1+1= 2
23	A Constitution does many things:- 1) It generates a degree of trust and coordination that is necessary for different kinds of people to live together. 2) It specifies how the government will be constituted, who will have power to take which decisions. 3) It lays down limits on the powers of the government. 4) It expresses the aspirations of the people about creating a good society. (Any two points = 2 marks) Page 22	2
24	Lack of education Skill formation (explain each briefly) Any other relevant point.	2
	SECTION C	
	SHORT ANSWER-BASED QUESTIONS (3x5=15)	

25	Changes introduced by Bolshevik after October revolution are as follows
	
	    1. Industries and banks were nationalised, which meant that the government now had their ownership control and management.
	    2. Land was declared to be a social property and peasants were allowed to seize the land of nobility.
	    3. In cities, bolsheviks enforced partition of large houses, according to family requirements
	    4. Use of all titles of aristocracy was banned. New uniforms for the army and officials were designed.
	    5. The party was renamed as Russian Communist party
	    6. Despite opposite by their political allies, poets made peace with Germany and withdrew from World War I
		3

26		3
	Himalayan rivers — **Peninsular rivers** 1. these rivers are perennial, ie. They flow throughout the year. 2. They have larger course and often form gorges and v-shaped valleys. 3. They originate from glaciers. Ex: Ganga, Brahmaputra, etc. 1. these rivers are seasonal. 2. They have shorter course. 3. They are dependent mainly on rainfall. Ex: Narmada, Tapi	
27	In Zimbabwe, President Robert Mugabe was popular but also used unfair practices in elections in the following ways :- 1) Over the years his government changed the constitution several times to increase the powers of the President and make him less accountable. 2) Opposition party workers were harassed and their meetings disrupted. 3) Public protests and demonstrations against the government were declared illegal. 4) There was a law that limited the right to criticise the President. 5) Television and radio were controlled by the government and gave only the ruling party's version. 6) There were independent newspapers but the government harassed those journalists who went against it. (Any three points = 3 marks) Page 7	3
28	a) Seasonal unemployment It happens when people are not able to find a job during some months of the year. People dependent on agriculture usually face these kinds of problems. Disguised Unemployment It happens when more people are working than are actually required. This happens among family members engaged in agricultural activity. b) Educated unemployment is prevalent in urban areas.	2+1
29	1. Population can be turned into an asset by investment in human capital by spending resources on education. 2. Health for all 3. Skill formation	3
	SECTION D	
	LONG ANSWER-BASED QUESTIONS (5X4=20)	
30	a) To discuss and voice their interest, women started their own Political clubs and newspapers. b) 60 women clubs came up in different cities like The Society of Revolutionary and Republican women. c) Women demanded same political rights as men like right to vote and were disappointed with Constitution of 1971, which made them passive	5

		citizens	
		d) With their efforts, the Revolutionary govt. did introduce certain laws like father could no longer force them into marriage, divorce was made legal and could be applied by both, they could now train for jobs etc. e) During the reign of terror, the new government issued laws, ordering closure of women's clubs, and many prominent women were arrested and executed. Their struggle for equal pol rights however continued. f) Olympe de Gouges was a politically active woman who protested against the Constitution and formulated a declaration of rights for women and citizens. Or Measures introduced during the Reign of Terror were as follows: a)Robespierre's government issued laws placing a maximum ceiling on wages and prices. b)Meat and bread were rationed. c)Peasants were forced to transport their grain to the cities and sell it at prices fixed by the government. d)The use of more expensive white flour was forbidden; all citizens were required to eat the pain d'égalité (equality bread), a loaf made of wholewheat. e)Equality was also sought to be practised through forms of speech and address. f)Instead of the traditional Monsieur (Sir) and Madame (Madam) all French men and women were henceforth Citoyen and Citoyenne (Citizen). g)Churches were shut down and their buildings converted into barracks or offices (any 5)	
31		Each region complements the other and makes the country richer in its natural resources. i) The mountains are the major sources of water as well have great diversity of flora as well as fauna. ii) Northern Plains are the granaries of the country. They provided the base for early civilizations. iii) Plateaus are a storehouse of minerals, which has played a crucial role in the industrialization of the country. iv) Coastal regions provide sites for fishing and port activities. v) Island groups help generate immense income from the tourism trading industry. Thus, the diverse physical features of the land have immense future possibilities of development. OR On the basis of variation in relief the Northern plains can be divided into four divisions - 1. The rivers, after descending from the mountains deposit pebbles in a narrow belt of about 8 to 16 km in width lying parallel to the slopes of the Shiwaliks. It is known as **bhabar**. All the streams disappear in this bhabar belt.	1+4=5

	2. South of this belt, the streams and rivers re-emerge and create a wet, swampy and marshy region known as **terai.** This was a thickly forested region full of wildlife. 3. The largest part of the northern plain is formed of older alluvium. It lies above the floodplains of the rivers and presents a terrace- like feature. This part is known as **bhanga**r. The soil in this region contains calcareous deposits, locally known as kankar. 4. The newer, younger deposits of the floodplains are called **khadar.** They are renewed almost every year and so are fertile, thus, ideal for intensive agriculture. Northern plains are part of Punjab, Haryana, Uttar Pradesh, Bihar, West Bengal and Assam. They cover a large area in India.	
32	In Saudi Arabia,the position of the citizens' rights with regard to their government is as following :- 1) The country is ruled by a hereditary king and the people have no role in electing or changing their rulers. 2)The king selects the legislature as well as the executive. He appoints the judges and can change any of their decisions. 3) Citizens cannot form political parties or any political organisations. 4)Media cannot report anything that the monarch does not like. 5) There is no freedom of religion. Every citizen is required to be Muslim. Non-Muslim residents can follow their religion in private, but not in public. 6) Women are subjected to many public restrictions. The testimony of one man is considered equal to that of two women. Any five points = 5 marks Page 76 OR Kosovo was a province of Yugoslavia before its split 1) In this province the population was overwhelmingly ethnic Albanian But in the entire country, Serbs were in majority. 2) A narrow minded Serb nationalist Milosevic had won the election but His government was very hostile to the Kosovo Albanians 3) He wanted the Serbs to dominate the country. Many Serb leaders thought that Albanians should have either left the country or accepted the dominance of the Serbs. 4) There was a massacre of thousands of Albanians which was being carried out by the army of their own country, working under the direction of a leader who came to power through democratic elections. 5) This was one of the worst instances of killings based on ethnic prejudices in recent times. 6)Finally several other countries intervened to stop this massacre.	5

		Five points- explanation Page 76 & 77	

33		'Unemployment has a detrimental impact on the overall growth of an economy.'
		Reasons
		1 Wastage of manpower resources.
		2. People turn into a liability.
		3. There is a feeling of hopelessness and despair.
		4. It tends to increase economic overload as dependence of unemployed on the working population increases.
		5. The quality of life as well as of society is adversely affected.
		(Any other relevant point)
		OR
		The role of health in human capital formation are as follows:
		    1. Realise his full potential and ability to fight illness.
		    2. Healthy person is an asset to the organisation
		    3. Increases his efficiency and thus would contribute more to country's income and economy
		Measures
		    1. Setting up of Government Hospitals and charitable dispensaries.
		    2. Free vaccination
		    3. Free medical check ups and organising blood donation camps
		(Any other relevant point)
			5

		SECTION E	
		CASE-BASED QUESTIONS (4X3=12)	
34			4
35		1 Nelson Mandela. (1 mark) 2. The apartheid system was particularly oppressive for the blacks in the following ways :- 1)They were forbidden from living in white areas. 2)They could work in white areas only if they had a permit. 3) Trains, buses, taxis, hotels, hospitals, schools and colleges, libraries, cinema halls. theatres, beaches, swimming pools, public toilets, were all seperate for the whites & blacks 4) They could not even visit the churches where the whites worshipped. (Any 2 points = 2 marks) 3. African National Congress. (1 mark)	4

36		36.1 Infant mortality refers to the total number of children who die before completing the age of 1 year per 1000 live births in a particular year.
		
		36.2 IMR is reduced by:
		    1. Free vaccination
		    2. Ensuring nutrition
		    3. Mother & Child care
		
		36.3 Aim of National policy in terms of health ,
			4

		● aims at improving the accessibility of healthcare,family welfare ● and nutritional service ● India has built a vast health infrastructure ● Man power developed in terms of Doctors, Nurses etc..	
	SECTION F		
	MAP SKILL-BASED QUESTION (2+3=5)		
37.1 37.2	a) Paris b) England/Britain On the map 	