



BAL BHARATI PUBLIC SCHOOL, DWARKA

**SAMPLE PAPER
CLASS – IX
SUBJECT: ENGLISH**

General Instructions:

- (i) This paper is divided into two sections: A, B and C. All questions are compulsory.
- (ii) Separate instructions are given with each section and question, wherever necessary. Read these instructions very carefully and follow them.
- (iii) Do not exceed the prescribed word limit while answering the questions.

**SECTION–A
READING SKILLS (20 MARKS)**

Q1. Read the following text passage and answer the questions that follow- (10 marks)

1. Maharana Pratap, the brave ruler of Mewar, was a legendary figure in the Indian history. He was born on May 9, 1540 in the region of Kumbhalgarh. His name became synonymous with indomitable courage, determination, and a firm commitment to his homeland.
2. Maharana Pratap ascended to the throne of Mewar in 1572 after the death of his father, Maharana Udai Singh II. He fought with the ambitious Mughal emperor Akbar throughout his reign because Akbar wanted to capture Mewar. Unlike many of his contemporaries who succumbed to Mughal dominance, Maharana Pratap refused to bow before Akbar and decided to fight for the preservation of his ancestral land and cultural heritage.
3. One of the defining characteristics of Maharana Pratap's character was his unwavering commitment to the principles of valor and honour. His famous horse, Chetak, exemplified these values, as the loyal and fearless horse played a vital role in many of his battles. The battle of Haldighati in 1576, where Maharana Pratap faced Akbar's formidable army under the leadership of the famous commander Raja Man Singh, is a testament to his indomitable spirit. Despite being outnumbered, they fought with remarkable valor and the battle became a defining moment in their legacy.
4. Maharana Pratap's life was marked by numerous hardships and sacrifices. He took refuge in the rugged Aravalli mountains, living a life of hardship and constant struggle. He was known to live a simple and ascetic life, emphasizing self-reliance and the importance of the welfare of his people.
5. The character of Maharana Pratap also reflected his commitment to preserving the cultural and religious traditions of Mewar. He was a patron of the arts and promoted a deep reverence for valor, honor, and chivalry. His court was a hub of cultural activities. He supported artists, scholars, and poets who enriched the heritage of Mewar.
6. Maharana Pratap's legacy endures in the annals of Indian history, not only for his military prowess and bravery but for his unwavering spirit even in the face of adversity. His devotion

to his people, his motherland and his unwavering pursuit of honor has made him an enduring symbol of valor and patriotism.

7. Even today, his memory is celebrated in songs, stories, and festivals. His name continues to inspire generations to stand up for what they believe in and to defend their heritage with unwavering determination. The life and legacy of Maharana Pratap is an integral part of India's rich historical heritage, and his name is synonymous with the indomitable spirit of a true patriot and warrior.

Answer the following questions, based on the passage above-

1. Select the qualities and characteristics that are synonymous with Maharana Pratap's legacy in Indian history. 1

- a) Indomitable courage, determination, and commitment to his homeland
- b) Exceptional culinary skills and artistic talents
- c) Mastery of foreign languages and diplomacy
- d) A preference for a nomadic lifestyle and exploration

2. Describe Maharana Pratap's reign and his resistance against the Mughal emperor Akbar. What set him apart from his contemporaries, and what were the core principles that guided his determination to preserve his homeland and cultural heritage? Rationalize your response in about 40 words. 2

3. Complete the sentence appropriately. 1
The author's use of vivid adjectives in the paragraph (3), such as "valor and honour " and "loyal and fearless ", greatly affects the reader about Maharana Pratap's famous horse Chetak because _____

4. Find the word which means 'with an uneven or jagged surface' from the passage 1
a. refuse b. hardship c. rugged d. ascetic

5. Complete the sentence appropriately. 1
According to the author, the character of Maharana Pratap not only reflects the quality of a great warrior but also reflects the quality of a protector of cultural and religious traditions of Mewar.
For instance, _____

6. Based on the reading of the passage, examine, what aspects of Maharana Pratap's legacy have solidified his enduring position in Indian history, and how has his unwavering spirit in the face of adversity, dedication to his people and motherland, and commitment to honor made him a symbol of valor and patriotism? Answer in about 40 words. 2

7. Based on the understanding of the above passage, what kind of life did Maharana Pratap lead during his refuge in the Aravalli mountains? 1

- a) A life of luxury and comfort
- b) A simple and ascetic life marked by hardship and struggle

- c) A nomadic and wandering lifestyle
- d) A secluded life in a palace

8. Study the following two statements that are given from the above paragraph: 1

Statement 1. "Maharana Pratap's life was marked by numerous hardships and sacrifices."

Statement 2. "He took refuge in the rugged Aravalli mountains, living a life of hardship and constant struggle."

Now choose the appropriate conclusion:

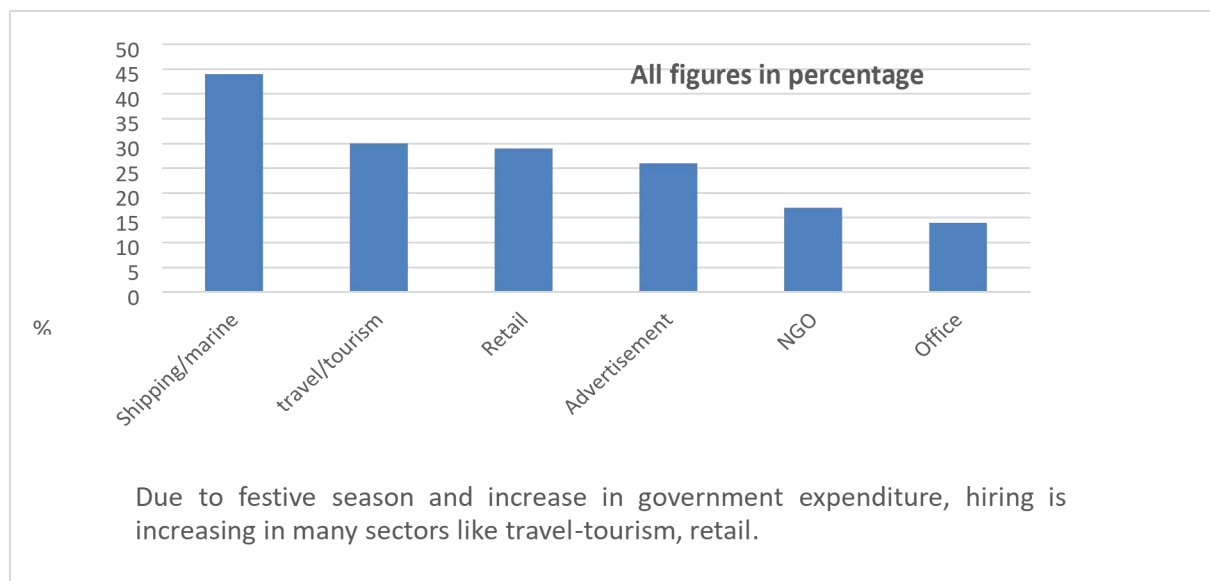
- a) The first statement defines the second statement.
- b) The first statement does not define the second statement.
- c) Both the statements are false.
- d) The first statement compares the second statement.

Q2. Read the following passage and answer the questions that follow- (10 marks)

1. In the past years, there has been an increase in hiring in other sectors apart from the traditional job sectors. According to the latest report of hiring platform Foundit, in October, there was a decline in e-recruitment sectors like Customer Service, Software, Hardware, Telecom, Finance and Accounts, Sales, Logistics, while Apart from Shipping/Marine, Travel and Tourism, there has been growth in the offline retail sector. Increase in some of these sectors is because of holidays.

2. Hiring in the Shipping/Marine sector increased by 44% last month on an annual basis. This growth in Travel and Tourism sector was 30%. Apart from this, growth of 29% and 26% has also been recorded in Retail and Advertising, Market Research and Public Relations sectors.

3. According to food service and facility management company Sodexo, about 4 lakh new jobs have been created in the food production and kitchen industry this year. Pradeep Chavda, HR Director of the company's India unit, says that about 3.2 lakh jobs were created in the year 2022. In this respect, it is an increase of about 20 to 25%.



4. The number of stand alone restaurants is increasing across the country, along with weddings, parties, functions, outdoor catering, and corporate events. Apart from this, the number of cloud kitchens is also increasing. Due to this, apart from catering chefs, chef de party, pastry chefs, cooks and other kitchen support staff, the demand for ground staff is also increasing.

Answer the following questions, based on the passage above-

1. Complete the following appropriately, based on your understanding of para 1 & 2
We can say that the situation of e-recruitment sectors is comparable with the offline retail sector and one of the reasons for the growth in offline retail sector hiring is _____.

1
2. Fill the blanks with the appropriate option from those given in brackets, based on your understanding of para 2.
According to the latest report from Foundit, _____ (Customer service/ Shipping/Marine/ Software/Offline Retail) sectors experienced a decline in e-recruitment in October.

1
3. Based on the survey results, what does the study's findings suggest about the current labor market trends?

1
4. Describe the main takeaway from the study mentioned in the above passage. Rationalize your answer in 40 words.

2
5. According to Sodexo, how many new jobs were created in the food production and kitchen industry this year?

1
6. What percentage increase in job creation is mentioned in the passage compared to the previous year?
a) 10% b) 15% c) 18% d) 25%

1
7. How has the growth in standalone restaurants, events, and the rise of cloud kitchens contributed to the significant increase in job opportunities in the food production and kitchen industry, as reported by Sodexo in 2022? Answer in about 40 words.

2
8. Apart from catering chefs and pastry chefs, which of the following positions is mentioned as in-demand in the industry?

1

 - a) Accountants
 - b) Ground staff
 - c) Marketing managers
 - d) IT specialists

SECTION-B (GRAMMAR & WRITING)

(20 MARKS)

Q3. Complete ANY TEN of twelve of the following tasks, as directed.

(10)

i. Fill in the blank by using the correct form of the word in the bracket, for the given portion of an E-mail:

Sir,

This is with reference to your Email query; we are thrilled to inform you that you have been _____ (select) for the post of Asst. Professor.

ii. Read the given sentence from an article on social media. Identify the error and supply the correction in the sentence.

Social networking sites has become the latest fad among school children.

Use the given format for your response.

Error	correction

iii. Krish and Komal had a conversation about the inauguration of Komal’s book launch.

Report Krish’s question.

Are you excited about your book launch?

iv. Read the dialogue between Saloni and her dance teacher, Lakshmi, regarding her dance performance.

Saloni: Is my posture okay when I do this movement?

Lakshmi: I think you need to work upon your back a bit.

Select the correct option to complete the reporting of the above dialogue.

Saloni asked Lakshmi if _____ that movement. Lakshmi replied that she thought Saloni needed to work upon her back a bit.

- a. my posture was okay when she did
- b. her posture was okay when she did
- c. her posture is okay when she did
- d. her posture was being okay when she does

v. Fill the blank by choosing the correct option, to complete the line of a story.

It was a dark moonless night. Saumya _____ (was/were/would) returning home after her late night-shift duty.

vi. Identify the error and supply correction for the given sentence from a marketing company.

The company aimed at increasing authority in areas frequently visited by the clients.

Use the given format for your response.

Error	correction

vii. Select the option that identifies the error and supplies the correction for the following line, from an analytical report.

Instead of a rush of text that competes for attention, your clients see a collection of beautiful graphs those transform their historical data into actionable insights.

Option No.	Error	Correction
A	of	for
B	those	that
C	into	to
D	actionable	action

viii. Complete the given narrative, by filling the blank with the correct option.

One by one, snowflakes fell from a gray and motionless sky, only to _____ and melt instantly on the windshield.

- a. lands
- b. land
- c. having land
- d. landing

ix. Report the dialogue between a Delivery agent and his customer, by completing the sentence:

Delivery agent: Sir, please give me a five-star rating for this order.

Customer: I need to check the packet before I give the rating.

The delivery agent requested the customer to give him a five-star rating for that order. The customer answered that he needed to _____.

x. Fill the blank by choosing the correct option to complete the news report.

With technological advancements and _____ customer expectations, businesses need a robust digital transformation strategy.

- a. Evolving
- b. Evolve
- c. Evolution
- d. Evolves

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

Delightful display

Snowdrops bow their pure white heads

To the sun's _____.

- a. glorious
- b. glory
- c. glory's
- d. gloried

xii. Identify the error and supply correction for the following note in a passengers' flight instruction manual:

The SAMPLE TESTING MESSAGE send through Cell Broadcasting System aims to enhance public safety and provide timely alerts during emergencies.

Use the given format for your response.

Error	correction

WRITING (10 Marks)

Q4 A. You are Deepika/Deepak. You were on your morning walk when you happened to see an injured bird on the pavement under a huge Banyan tree. You picked it up and took it to an avian veterinarian. Make a diary entry about your experience in not more than 120 words.

OR

Q4 B. “I was sleeping peacefully when I heard some noise from the outside. I woke up and ran towards the balcony.....”

Complete the story in 100-120 words, giving it a suitable title.

Q5 A. It was your father’s birthday and your mom cooked a delicious meal: write a descriptive paragraph in not more than 120 words engaging the reader's senses by describing a mouthwatering, homemade dish, including its appearance, aroma, and taste.

OR

Q5 B. You were down with viral fever for a few days and missed a lot of school work. A classmate of yours helped you a lot by sharing notes. Write the descriptive paragraph in not more than 120 words describing her appearance and thoughtful gestures.

SECTION-C(LITERATURE)

(40 MARKS)

Q6. Read the given extracts and answer the questions for ANY ONE of the two, given.

A. It was a hot summer night; about ten o'clock. I had my meal at the restaurant and returned to my room. I heard a noise from above as I opened the door. The sound was a familiar one. One could say that the rats and I shared the room. I took out my box of matches and lighted the kerosene lamp on the table. (5)

(The Snake and the Mirror)

i. Make one inference about the following sentence, “The sound was a familiar one.”

Rationalize your response in 40 words. 2

ii. State True or False: The writer lived in a well-kept and neat house. 1

iii. The narrator says he lighted the lamp. Infer one reason for him doing so: 1

a. the house didn't have any power supply

b. he wanted to go outside in dark night

c. he needed to study in the light of lamp

d. he liked to sleep in the light of lamp

iv. Which word/phrase would correctly substitute 'shared', in the given sentence from the extract. 1

OR

B. Kathmandu is vivid, mercenary, religious, with small shrines to flower-adorned deities along the narrowest and busiest streets; with fruit sellers, flute sellers, hawkers of postcards; shops selling Western cosmetics, film rolls and chocolate; or copper utensils and Nepalese

antiques. Film songs blare out from the radios, car horns sound, bicycle bells ring, stray cows low questioningly at motorcycles, vendors shout out their wares. (5)

(Kathmandu)

- i. What makes Kathmandu vivid? 1
- a. An array of things
 - b. Film rolls and chocolates
 - c. Nepalese antiques
 - d. Vendors shouting out their wares
- ii. “Film songs blare out from the radios, car horns sound, bicycle bells ring, stray cows low questioningly at motorcycles, vendors shout out their wares.”
What inference can you make about Kathmandu city from the statement? 1
- iii. What effect does the writer want to create by mentioning so many things to describe Kathmandu? Answer in about 40 words. 2
- iv. Which of the following words is closest in meaning to ‘vivid’ as mentioned in the extract: 1
- a. Bright
 - b. Graphic
 - c. Typical
 - d. Memorable

Q7. Read the given extracts and answer the questions for ANY ONE of the two, given.

A. Let us remember, whenever we are told
To hate our brothers, it is ourselves
That we shall dispossess, betray, condemn.
Remember, we who take arms against each other (5)

(No Men Are Foreign)

- i. Fill the blank with one word. 1
When the speaker says “it is ourselves That we shall dispossess, betray, condemn”, his tone is _____.
- ii. Which of the following best describes the speaker's attitude towards negative forces who want to profit by spreading difference and hatred? 1
- a. Indifferent
 - b. Dejected
 - c. Dismissive
 - d. Respectful
- iii. Why does the poet want us to remember “whenever we are told to hate our brothers, it is ourselves, that we shall dispossess, betray, condemn.” Explain in about 40 words. 2
- iv. Which of the following words can replace the word “dispossess” as mentioned in the line: “That we shall dispossess, betray, condemn.” 1
- a. Seize
 - b. Disinherit
 - c. Impound
 - d. Disgrace

B. No motion has she now, no force—
She neither hears nor sees,
Rolled round in earth’s diurnal course
With rocks and stones and trees (5)

(A Slumber Did My Spirit Seal)

- i. What does the following line signify? “No motion has she now, no force” 1
- ii. What is the significance of the following, “Rolled round in earth’s diurnal course With rocks and stones and trees”. Explain in about 40 words. 2
- iii. Complete the sentence with the appropriate option. 1
The poet imagines her to be an _____ part of nature.
- iv. Mention the rhyme scheme used in the above stanza of the poem. 1

Q8. Answer ANY FOUR of the following five questions, in about 40-50 words. (4x3=12)

- i. Margie had never studied in a regular school. But she got to know about the traditional school. Comment on the statements. (The Fun They Had)
- ii. Kezia did not have a loving relationship with her father. She always felt scared of him. Justify this taking examples from the chapter “The Little Girl”
- iii. Describe the feeling of bliss, according to the poet in the poem, ‘Rain on The Roof’.
- iv. Give a brief description of the central idea of the poem, ‘Wind’.
- v. In the poem “A Legend of the Northland”, the old woman ignites the fury of the Saint. What repercussions did she have to face and why? Elaborate

Q9. Answer ANY TWO of the following three questions, in about 40-50 words. (2x3=6)

- i. Sue and Jhonsy shared a special bond. Justify by taking examples from the chapter “The Last Leaf”.
- ii. “A House is not a Home” justify the aptness of the title of the chapter with reference to examples from the chapter itself.
- iii. How did Olga’s treatment of Lushkoff, brought a life altering change in the latter? Explain.

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

Some remarkable values of Evelyn’s character made her achieve the target despite her handicap. Santosh Yadav also had to face the challenges from a traditional family during her growing up years. Compare and contrast the characters of both in the light of above statements.

(The Sound of Music and Reach for The Top)

OR

“Einstein was deeply shaken by the extent of destruction during the second world war”. What qualities of Einstein’s character are revealed by this statement? What efforts did he make to promote peace and democracy? Elaborate

(A Truly Beautiful Mind)

Q11. Answer ANY ONE of the following two questions, in about 100-120 words. (6)

Childhood is a period which is full of joyful moments. The child in the “The Lost Child” is fascinated to see many things before going to the fair but later on, the same things didn’t bring him any joy. Comment and justify the statements taking examples from the story.

OR

In the chapter “The Happy Prince”, the little Swallow feels colder and colder but kept up her determination to help/support the Prince. How did the bird show his great strength and courage? Explain.



बाल भारती पब्लिक स्कूल, द्वारका
कक्षा – नवमीं
प्रतिदर्श प्रश्नपत्र (2024-2025)
विषय – हिंदी

दिनांक - _____

समय – 3घंटा

पूर्णांक – 80

सामान्य निर्देश :

1. इस प्रश्नपत्र में चार खंड हैं- क, ख, ग और घ
2. खंड क में अपठित गद्यांश से प्रश्न पूछे गए हैं, जिनके उत्तर दिए गए निर्देशों का पालन करते हुए दीजिए।
3. खंड ख में व्यावहारिक व्याकरण से प्रश्न पूछे गए हैं।
4. खंड ग पाठ्यपुस्तक पर आधारित है, निर्देशानुसार उत्तर दीजिए।
5. खंड घ रचनात्मक लेखन पर आधारित है।
6. प्रश्न पत्र में कुल 16 प्रश्न हैं, सभी प्रश्न अनिवार्य हैं।
7. यथासंभव सभी खंडों के प्रश्नों के उत्तर क्रमशः लिखिए।

खंड-अ

प्रश्न-1. नीचे लिखे गद्यांश को ध्यानपूर्वक पढ़कर पूछे गए प्रश्नों के उत्तर दीजिए-

लोकतंत्र के मूलभूत तत्त्व को समझा नहीं गया है और इसलिए लोग समझते हैं कि सब कुछ सरकार कर देगी, हमारी कोई जिम्मेदारी नहीं है। लोगों में अपनी पहल से जिम्मेदारी उठाने और निभाने का स्तर विकसित नहीं हो पाया है, फलस्वरूप देश की विशाल मानव शक्ति अभी खरटे लेती पड़ी है और देश की पूँजी उपयोगी बनाने के बदले आज बोझ रूप बन बैठी है। लेकिन उसे नींद से झकझोर कर जागृत करना है। किसी भी देश को महान बनाते हैं उसमें रहने वाले लोग। लेकिन अभी हमारे देश के नागरिक अपनी जिम्मेदारी से बचते रहे हैं। चाहे सड़क पर चलने की बात हो अथवा साफ-सफाई की बात हो, जहाँ-तहाँ हम लोगों को गंदगी फैलाते और बेतरतीब ढंग से वाहन चलाते देख सकते हैं, फिर चाहते हैं सब कुछ सरकार ठीक कर दे। सरकार ने बहुत सारे कार्य किए हैं, इसे अस्वीकार नहीं किया जा सकता है। वैज्ञानिक प्रयोगशालाएँ खोली हैं, विशाल बाँध बनवाए हैं, फौलाद के कारखाने खोले हैं, इस प्रकार बहुत सारे काम सरकार के द्वारा हुए हैं, पर अभी करोड़ों लोगों को कार्य करने के लिए प्रेरित नहीं किया जा सका है।

वास्तव में होना तो यह चाहिए कि लोग अपनी सूझ-बूझ के साथ अपनी आंतरिक शक्ति के बल पर खड़े हों और अपने पास जो कुछ साधन सामग्री हो उसे लेकर कुछ करना शुरू कर दें और फिर सरकार उसमें आवश्यक मदद करे। उदाहरण के लिए गाँव वाले बड़ी-बड़ी पंचवर्षीय योजनाएँ नहीं समझ सकेंगे पर वे लोग यह बात जरूर समझ सकेंगे कि अपने गाँव में कहाँ कुआँ चाहिए, कहाँ सिंचाई की जरूरत है, कहाँ पुल की आवश्यकता है, बाहर के लोग इन सब बातों से अनभिज्ञ होते हैं।

(i) लोकतंत्र का मूलभूत तत्व है- (1)

- (क) कर्तव्य पालन (ख) लोगों का राज्य
(ग) चुनाव (घ) जनमत

(ii) किसी देश की महानता निर्भर करती है- (1)

- (क) वहाँ की सरकार पर (ख) वहाँ के निवासियों पर
(ग) वहाँ के इतिहास पर (घ) वहाँ की पूँजी पर

(iii) सरकार के कामों के बारे में कौन सा कथन सही नहीं है- (1)

- (क) वैज्ञानिक प्रयोगशालाएँ बनवाई हैं। (ख) विशाल बाँध बनवाए हैं।
(ग) वाहन चालकों को बिगाड़ा है। (घ) फौलाद के कारखाने खोले हैं।

(iv) गाँव के लोग कौनसी बात जरूर समझ सकते हैं? (2)

(v) सरकार में आवश्यक मदद करेगी? (2)

प्रश्न -2 निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़कर इसके आधार पर सर्वाधिक उपयुक्त उत्तर वाले विकल्प चुनकर लिखिए-

आज भी हिरोशिमा और नागासाकी की एटमी विभीषिकाओं को नहीं भूले हैं। यह घटना सदियों तक मानव समाज की चेतावनी देती रहेगी कि परमाणु शक्ति का दुरुप्रयोग मानव जाति के लिए विनाश का कारण बन सकता है। अतः परमाणु शक्ति को नियंत्रित करने के लिए विश्वस्तर पर प्रयास किए जा रहे हैं। वास्तव में द्वितीय विश्व युद्ध के बाद ही परमाणु हथियारों को नष्ट कर देना चाहिए था, किन्तु दो भागों में विभाजित विश्व-व्यवस्था ने परमाणु हथियारों की होड़ को और बढ़ा दिया है। सी.टी.बी.टी. और एन.पी.टी. (परमाणु अप्रसारण संधि) पर हस्ताक्षर द्वारा विश्व स्तर पर इसे नियंत्रित करने का प्रयास किया जा रहा है। भारत परमाणु शक्ति का प्रयोग सदैव शांति एवं विकास कार्यों में करने का पक्षधर रहा है। भारत ने हमेशा ही परमाणु हथियारों का विरोध किया है। परन्तु राजनैतिक कारणों से मजबूर होकर उसे पोखरण में परमाणु परीक्षण करना पड़ा।

- (i) हम कहाँ की एटमी विभीषिकाओं को नहीं भूले हैं ? (1)
(क) जर्मनी का (ख) न्यूयॉर्क का
(ग) हिरोशिमा और नागासाकी की। (घ) जयपुर की
- (ii) परमाणु शक्ति का दुरुप्रयोग मानव जाति के लिए किसका कारण बन गया ? (1)
(क) गौरव का (ख) विनाश का
(ग) प्रदूषण का (घ) उत्थान का
- (iii) भारत ने परमाणु परीक्षण कहाँ किया था ? (1)
(क) पोखरण में (ख) गुजरात में
(ग) दिल्ली में (घ) हरिद्वार में
- (iv) परमाणु हथियारों को कब नष्ट कर देना चाहिए था ? (2)
- (v) परमाणु हथियारों की होड़ को किसने बढ़ा दिया है ? (2)

खंड- ख (व्यावहारिक व्याकरण)

प्रश्न -3. शब्द और पद पर आधारित तीन प्रश्नों में से किन्हीं दो प्रश्नों के उत्तर दीजिए – (1x2=2)

- i) वह बाज़ार चला गया। रेखांकित शब्द को क्या कहेंगे ?
ii) शब्द किसे कहते हैं?
iii) शब्द वाक्य का अंग होते हैं - यह कथन सत्य है ?

प्रश्न-4. निर्देशानुसार अनुस्वार एवं अनुनासिक पर आधारित तीन प्रश्नों में से किन्हीं दो के उत्तर दीजिए-(1x2=2)

- (i) 'सगति' शब्द में उचित स्थान पर अनुस्वार का प्रयोग कीजिए।
(ii) अनुस्वार व अनुनासिक में अंतर स्पष्ट कीजिए।
(iii) अनुनासिक स्वर का एक उदाहरण दीजिए।

प्रश्न-5. निर्देशानुसार उपसर्ग एवं प्रत्यय पर आधारित पाँच प्रश्नों में से किन्हीं चार के उत्तर दीजिए-(1x4=4)

- (i) 'अत्यधिक' शब्द में उपसर्ग बताइए।
ii) 'निर्जन' शब्द में मूल शब्द क्या होगा?
iii) 'सजावट' शब्द में प्रत्यय बताइए।
iv) उपसर्ग और प्रत्यय से प्रयुक्त एक शब्द बताइए।
v) 'ऐतिहासिक' शब्द में किस प्रत्यय का प्रयोग किया है?

प्रश्न-6. निर्देशानुसार संधि पर आधारित चार प्रश्नों में से किन्हीं तीन के उत्तर दीजिए-(1x3=3)

- i) 'देवालय' शब्द में स्वर संधि का भेद बताइए।
ii) 'मेघालय' शब्द का संधि विच्छेद कीजिए।

- iii) संधि कीजिए - रमा+ईश
iv) दीर्घ संधि का एक उदाहरण दीजिए।

प्रश्न-7. निर्देशानुसार विराम चिह्न पर आधारित तीन प्रश्नों में से किन्हीं दो के उत्तर दीजिए-(1x2=2)

i) दिए गए वाक्य में उचित स्थान पर विराम चिह्न लगाइए

रमेश सुरेश महेश और नितेश घूमने गए

ii) योजक चिह्न का एक उदाहरण दीजिए।

iii) कोष्ठक () का प्रयोग कब किया जाता है?

प्रश्न-8. निर्देशानुसार अर्थ की दृष्टि से वाक्य भेद पर आधारित चार प्रश्नों में से किन्हीं तीन के उत्तर दीजिए-(1x3=3)

i) 'उसने खाना खाया होगा।' - दिए गए वाक्य को प्रश्नवाचक वाक्य में बदलिए।

ii) निषेधात्मक वाक्य का एक उदाहरण दीजिए।

iii) यदि वह आएगा तो उसका मित्र चला जाएगा। - अर्थ की दृष्टि से वाक्य भेद बताइए।

i) 'तुम्हारी आयु लंबी हो।' - अर्थ की दृष्टि से वाक्य भेद बताइए।

खंड- ग

प्रश्न -9 निम्नलिखित पद्यांश को पढ़कर पूछे गए प्रश्नों के सही विकल्प छाँटकर लिखिए-(1x5=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) अगर प्रभु ने स्वयं को चंदन कहा तो भक्त है -

क) मोर ख) पानी ग) चकोर घ) दास

ii) कवि को रट लग गई है -

क) ज्योति की ख) चितवत की ग) सोने की घ) राम नाम की

iii) सोने को निखारने के लिए प्रयुक्त होता है -

क) दीपक ख) सुहागा ग) बाती घ) मोती

iv) किसकी रोशनी दिन- रात जलती रहती है -

क) बाती की ख) दीपक की ग) घन की घ) भक्ति की

v) इन पदों में प्रयुक्त भाव है -

क) भक्ति ख) वात्सल्य ग) करुणा घ) घृणा

प्रश्न -10 निम्नलिखित प्रश्नों में से किन्हीं तीन प्रश्नों के उत्तर लगभग 30-40 शब्दों में लिखिए- (2x3=6)

क) ' अग्निपथ' नामक कविता में कवि मनुष्य को किस बात की शपथ लेने को कह रहा है?

ख) 'खुशबू रचने वाले हाथ' कैसी परिस्थितियों में तथा कहाँ-कहाँ रहते हैं?

ग) गीत और अगीत में कौन सुंदर है?

घ) प्रेम का धागा टूटने पर पहले की तरह क्यों नहीं हो पाता ?

प्रश्न -11 निम्नलिखित गद्यांश को पढ़कर पूछे गए प्रश्नों के सही विकल्प छाँटकर लिखिए- (1x5=5)

परचून की दुकान पर बैठे लालाजी ने कहा, " अरे भाई, उनके लिए मरे- जिए का कोई मतलब ना हो, पर दूसरे के धर्म- ईमान का तो ख्याल रखना चाहिए। जवान बेटे के मरने पर तेरह दिन का सूतक होता है और वह यहाँ सड़क पर बाज़ार में आकर खरबूजे बेचने बैठ गई है। हज़ार आदमी आते -जाते हैं। कोई क्या जानता है कि इसके घर में सूतक है। कोई इसके खरबूजे खा ले तो उसका ईमान-धर्म कैसे रहेगा? क्या अँधेर है!" पास पड़ोस की दुकानों से पूछने पर पता चला कि उसका

तेईस बरस का जवान लड़का था। घर में उसकी बहू और पोता- पोती हैं। लड़का शहर के पास डेढ़ बीघा जमीन में कछियारी करके परिवार का निर्वाह करता था। वह लड़का परसों सुबह मुँह अँधेरे बेलों में से पके खरबूजे चुन रहा था। गीली मेड़ की तरावट में विश्राम करते हुए एक साँप पर लड़के का पैर पड़ गया। साँप ने लड़के को डस लिया।

i) लोग किसके विषय में बात कर रहे हैं?

क) बुढ़िया के ख) दुकानदार के । ग) बहू के घ) फल के

ii) बुढ़िया के बेटे की मौत का कारण था-

क) अत्यधिक काम ख) साँप का डसना। ग) बीमारी घ) अपंगता

iii) वह कैसे अपने परिवार का निर्वाह करता था?

क) खरबूजे बेचकर ख) मज़दूरी करके ग) नौकरी करके घ) व्यवसाय करके

iv) मौत होने पर कितने दिन का सूतक लगता है?

क) दस दिन ख) तेरह दिन ग) सोलह दिन घ) बीस दिन

v) बुढ़िया बाज़ार में क्यों आई थी?

क) सामान लेने ख) खरबूजे बेचने। ग) सब्जी लेने घ) दुख में

प्रश्न -12. निम्नलिखित प्रश्नों में से किन्हीं दो प्रश्नों के उत्तर लगभग 30-40 शब्दों में लिखिए - (2x3=6)

क) महादेव जी के किन गुणों ने उन्हें सबका लाड़ला बना दिया था?

ख) रामन् के लिए नौकरी संबंधी कौन - सा निर्णय कठिन था?

ग) उपनेता प्रेमचंद ने किन स्थितियों से अवगत कराया?

घ) अतिथि द्वारा दिया गया क्या आघात अप्रत्याशित था ?

प्रश्न -13. निम्नलिखित प्रश्नों में से किन्हीं दो प्रश्नों के उत्तर लगभग 50- 60 शब्दों में लिखिए- (4x2=8)

क) किन कारणों से लेखक ने चिट्ठियों को कुँएँ से निकालने का निर्णय लिया?

ख) गिल्लू को मुक्त करने की आवश्यकता क्यों समझी गई और उसके लिए लेखिका ने क्या उपाय किया?

ग) पाठ के संदर्भ में उनाकोटी में स्थित गंगावतरण की कथा को अपने शब्दों में लिखिए।

खंड- घ

प्रश्न -14. निम्नलिखित में से किसी एक विषय पर 120 शब्दों में अनुच्छेद लिखिए - (5)

क) सच्चा मित्र या विपत्ति कसौटी जे कसे ते ही साँचे मीत

संकेत बिंदु- मित्र की आवश्यकता क्यों, सच्चे मित्र के गुण, मित्र चयन में सावधानियाँ, सच्चे मित्र कौन?

ख) विज्ञापनों का प्रभाव

संकेत बिंदु- विज्ञापनों का बोलबाला, विज्ञापन के लाभ, हानियाँ, विज्ञापनों का हमारी जेब पर प्रभाव

ग) भारत के गाँव-

संकेत बिंदु:- गाँवों का स्वरूप, आज के गाँव व उनकी स्थिति गाँव में सुधार के प्रयास, उपसंहार

प्रश्न -15. अपने पिताजी को वार्षिक परीक्षा की तैयारी संबंधी सूचना देने हेतु पत्र लिखिए। (5)

अथवा

विद्यालय में आयोजित वृक्षारोपण कार्यक्रम की सूचना देते हुए अपने बड़े भाई को पत्र लिखिए।

प्रश्न-16. शादी में जाने की तैयारी के बारे में दो महिलाओं का संवाद लगभग (100शब्दों में) लिखिए। (5)

अथवा

नए विद्यालय में अपने पुत्र को दाखिला दिलवाने हेतु अभिवाक और प्रधानाचार्य के मध्य संवाद लेखन कीजिए।

प्रश्न -17 दिए गए चित्र का वर्णन 100 शब्दों में कीजिए -

(5)





बाल भारती पब्लिक स्कूल

प्रतिदर्श-प्रश्नपत्रम्
कक्षा-नवमी
संस्कृतम् (कोड-119)

समय: -होरात्रयम्

सम्पूर्णाङ्काः- 80

सामान्यनिर्देशाः -

- कृपया सम्यक्तया परीक्षणं कुर्वन्तु यत् अस्मिन् प्रश्नपत्रे 8 पृष्ठानि मुद्रितानि सन्ति ।
- कृपया सम्यक्तया परीक्षणं कुर्वन्तु यत् अस्मिन् प्रश्नपत्रे 19 प्रश्नाः सन्ति ।
- अस्मिन् प्रश्नपत्रे चत्वारः खण्डाः सन्ति ।
- उत्तरलेखनात् पूर्वं प्रश्नस्य क्रमाङ्कः अवश्यं लेखनीयः ।
- प्रश्नसंख्या प्रश्नपत्रानुसारम् अवश्यमेव लेखनीया ।
- सर्वेषां प्रश्नानां उत्तराणि संस्कृतेन एव लेखनायानि ।

(क-भागः अपठितावबोधनम्)

1. अधोलिखितं गद्यांशं पठित्वा प्रदत्तप्रश्नान् उत्तरत-

ज्ञानप्राप्ति कृते अनेकानि साधनानि भवन्ति । कक्षायां वयं पुस्तकेभ्यः ज्ञानं प्राप्नुमः, परं व्यावहारिकं ज्ञानं जगतः प्राप्तुं शक्यते, यद्धि व्यावहारिकज्ञानं जीवनाय परमोपयोगि । व्यावहारिकज्ञानस्य प्राप्ति कृते लोकव्यवहारः सर्वाधिकं महत्वपूर्ण साधनमस्ति । लोकव्यवहारज्ञानं देशस्य विभिन्नप्रदेशानां पर्यटनेन सरलतया भवति । सममेव तत्रत्य संस्कृति-वेषभूषा-वातावरण-भूगोल-इतिहास-उत्सव-प्रथादीनां विषयाणां ज्ञानं भवति । एतदेव कारणं यद् विद्यालयेषु छात्राणां कृते अवकाश-काले शैक्षणिकयात्रायाः आयोजनं क्रियते ।

I. एकपदेन उत्तरत (एक शब्द में उत्तर दीजिए) - केवलं प्रश्नद्वयम् (1X2=2)

- (i) ज्ञानप्राप्ति-कृते कति साधनानि भवन्ति ? (ii) व्यावहारिकं ज्ञानं कुतः प्राप्तुं शक्यते ?
(iii) विद्यालयेषु शैक्षणिकयात्रायाः आयोजनं कदा क्रियते ?

II. पूर्णवाक्येन उत्तरत ।(पूरे वाक्य में उत्तर लिखें ।) -केवलं प्रश्नद्वयम् (2X2=4)

- (i) विभिन्नप्रदेशानां पर्यटनेन कस्य ज्ञानं भवति ? (ii) व्यावहारिक-ज्ञानस्य कृते महत्वपूर्ण साधनं किम् अस्ति ?
(iii) व्यावहारिकं ज्ञानं कस्मै परमोपयोगि ?

III. अस्य अनुच्छेदस्य कृते समुचितं शीर्षकं संस्कृतेन लिखत । (1X1=1)

IV. यथानिर्देशम् उत्तरत- -केवलं प्रश्नत्रयम् (1X3=3)

(क) 'प्राप्नुमः' इति क्रियापदस्य कर्तृपदं किम् ?

- (i) कक्षायाम् (ii) वयम् (iii) छात्राणाम् (iv) जीवनाय

(ख) "विद्यार्थिनाम्" इत्यस्य किं पर्यायपदम् अत्र प्रयुक्तम् ?

- (i) विषयाणाम् (ii) प्रथादीनाम् (iii) छात्राणाम् (iv) शैक्षणिकयात्रायाः

(ग) 'मृत्युकालाय' इत्यस्य किं विलोमपदं गद्यांशे प्रयुक्तम् ? .

- (i) प्राप्तुम् (ii) क्रियते (iii) जीवनाय (iv) सरलतया

(घ) 'साधनानि' इति पदस्य किं विशेषण पदं प्रयुक्तम् ?

- (i) आयोजनम् (ii) महत्त्वपूर्णम् (iii) अनेकानि (iv) विद्यालयेषु

(ख -भाग: रचनात्मक-कार्यम्)

2. भवान् अभिषेकः दिल्लीनगरे राजकीय-सर्वोदय-विद्यालये पठति । गतमासे भवतः सहपाठीभिः एकस्य संस्कृतनाटकस्य मञ्चनं कृतम् । स्वमित्रं दिनेशं प्रति लिखिते अस्मिन् पत्रे मञ्जूषातः रिक्तस्थानानि पूरयित्वा पत्रं पुनः उत्तरपुस्तिकायां लिखतु । (0.5X10=5)

मञ्जूषा- छात्राः, नाटके, वयम्, दिल्लीतः, प्रणामाः, अभिषेकः, कुशलम्, पुरस्कारः, दिनेश, ज्ञात्वा

(i).....

दिनाङ्कः-.....

प्रिय मित्र (ii).....

अत्र (iii) तत्रास्तु । भवान् एतद् (iv) प्रसन्नः भविष्यति यत् संस्कृत-अकादम्या 'विज्ञान-भवनम्' इत्यस्मिन् सभागारे आयोजिते विद्यालयस्तरीय-नाट्यमञ्चन-समारोहे (v) 'मृच्छकटिकम्' इत्यस्य नाटकस्य मञ्चनं कृतवन्तः । तस्मिन् (vi) अहं चारुदत्तस्य अभिनयं कृतवान् । अस्मिन् अभिनये मया प्रथमः (vii)..... प्राप्तः । सर्वे (viii)..... दत्तचित्तेन पूर्णानन्देन स्वाभिनयं कृतवन्तः । शेषं कुशलम् । स्वपितरौ प्रति मम (ix)..... निवेदनीया ।

भवदीयः अभिन्नहृदयः

(x).....

3. अधोप्रदत्तं चित्रं दृष्ट्वा मञ्जूषायाः सहायतया संस्कृते पञ्च-वाक्यानि लिखत-

(1X5=5)

अध्यापिका, पाठयति, छात्राः, संस्कृतविषयम्, शशकः, पुष्पाणि, हरिताः वृक्षाः, श्यामपट्टः, पठति, पुस्तकम्, प्रसन्नाः, श्रेष्ठम्, विद्याधनम्, गृञ्जनम्, उद्याने, संस्कृत-कक्षा



अथवा/OR

मञ्जूषाप्रदत्तशब्दानां साहाय्येन निम्नलिखितं विषयम् अधिकृत्य पञ्चभिः संस्कृतवाक्यैः एकम् अनुच्छेदं लिखत । मञ्जूषा में दिए गए शब्दों की सहायता से निम्नलिखित विषय पर पांच संस्कृत वाक्यों में एक अनुच्छेद लिखिए ।

1x5=5

'भारत भूमिः'

मञ्जूषा- अस्माकम्, अयम्, देशः, भारतवर्षम्, हिमालयात्, रामेश्वर पर्यन्तम्, नद्यः, गंगा, यमुना, गोदावरी-प्रभृतयः, अत्र, काशी, प्रयागः, मथुरा, तीर्थनगरानि जाताः, अत्रैव, राम-कृष्ण-गौतमाः, ग्रामप्रधानः, कृषिप्रधानः ।

4. मञ्जूषायाः सहायतया संवादपूर्तिं कुरुत-

(1X5=5)

मञ्जूषा-

1. अहं नवम्यां कक्षायां पठामि ।
2. मम कक्षायाः आचार्यस्य नाम ज्ञानानन्दः अस्ति ।
3. तव कक्षायां कति छात्राः पठन्ति ?
4. मम कक्षायां पञ्चाशत् छात्राः पठन्ति ।
5. त्वं कस्यां कक्षायां पठसि ?

वासुदेवः - भोः मित्र ! त्वं कस्यां कक्षायां पठसि ?

सुरेशः - मित्र ! (I).....।

(II).....?

वासुदेवः - अहं सप्तम्यां कक्षायां पठामि ।

सुरेशः - तव कक्षायाः आचार्यस्य किं नाम अस्ति ?

वासुदेवः - (III).....। तव कक्षायाः आचार्यस्य नाम ?

सुरेशः - मम कक्षायाः आचार्यस्य नाम परमानन्दः अस्ति

वासुदेवः - (IV).....

सुरेशः - मम कक्षायां चत्वारिंशत् छात्राः पठन्ति ।

तव कक्षायाम् च ?

वासुदेवः - (V).....।

अथवा

(0.5X10=5)

मञ्जूषायाः सहायतया अधोलिखितां कथां पूर्यित्वा पुनः लिखत-

एकदा राज्ञः अङ्गुली खड्गेन छिन्नाऽभवत्। तेन नृपः भूयसी (i) अन्वभवत्। सर्वे मन्त्रिणः आगत्य नृपाय सान्त्वनावचांसि अवदन् (ii) प्रभुभक्तस्य सचिवस्य मुखे तस्मिन्नवसरे अपि तदेव (iii) आसीत् (iv) रतः परमेश्वरः यत्करोति, शोभनमेव करोति' इति। अस्य मन्त्रिणः तद्वचनम् आकर्ण्य नृपः सचिवायाक्रुध्यत्। काले गते नृपस्य (v) शान्ताऽभवत्। तदा सः सचिवम् (vi) ।" सचिव! कथय, तव पुत्रः मृतः, मम चाङ्गुली छिन्ना, अत्र सर्वभूतहिते सः तव परमेश्वरः किं शोभनम् अकरोत्?" सचिवः शान्तभावेन (vii) न्यवेदयत्-प्रश्नोऽयं समीचीनः, तथा च अस्य उत्तरमपि (viii) अधुनाऽहं समर्थो नास्मि, किन्तु (ix) आवाम् तस्य कथनस्य (x) अवगमिष्यावः।

दातुम्, नृपाय, पीडाम्, कालान्तरे, सत्यताम्, सर्वभूतहिते, वाक्यम्, अपृच्छत्, पीडा, परम्

(ग-भागः अनुप्रयुक्त-व्याकरणम्)

5. निर्देशानुसारम् उत्तरत-

(केवलं प्रश्नचतुष्टयम्)

(0.5X4=2)

(क) 'ऋ, त्, थ्, द्, ध्, प्' - वर्णेषु कः वर्णः मूर्धन्यः अस्ति ?

- (ख) 'च्'- इत्यस्य उच्चारणस्थानं किम् अस्ति ?
 (ग) 'क्,ग्,घ,अ,ल्' – वर्णेषु कः वर्णः कण्ठ्यः न अस्ति ?
 (घ) 'ञ्'- इत्यस्य उच्चारणस्थानं किम् अस्ति ?
 (ङ) 'प्' – इति वर्णः दन्त्यः अस्ति अथवा ओष्ठ्यः ?

6. अधोलिखितवाक्येषु रेखाङ्कितपदेषु सन्धिं सन्धिच्छेदं वा कृत्वा लिखत - (केवलं प्रश्नचतुष्टयम्) (1X4=4)

- (i) छात्रः विद्यालयं गच्छति ।
 (ii) प्रदेशः+अयम् अस्माभिः त्याज्यः एव ।।
 (iii) काष्ठात्+अग्निः जायते मध्यमानात् ।
 (iv) इदं निशम्य अष्टावक्रः प्रत्यवदत् ।
 (v) नर+ईशः कार्यालयं गच्छति ।

7. उचितं विकल्पं चित्वा रिक्तस्थानानि पूरयत- (केवलं प्रश्नचतुष्टयम्) (1X4=4)

- (i) तव पिता राजर्षेः जनकस्य सभां विद्वद्भिः शास्त्रार्थं गतः आसीत् ।
 (क) अपि (ख) सह (ग) प्रति (घ) कुत्र
- (ii) ओउम् गणेशाय ।
 (क) नमः (ख) नमन्तु (ग) प्रति (घ) बहिः
- (iii)बहिः भवनानि सन्ति ।
 (क) विद्यालयस्य (ख) विद्यालयात् (ग) विद्यालयेन (घ) विद्यालये
- (iv) उपरि खगाः सन्ति ।
 (क) वृक्षात् (ख) वृक्षस्य (ग) वृक्षेषु (घ) वृक्षाय
- (v) रामः प्रति गच्छति ।
 (क) वनस्य (ख) वनम् (ग) वनात् (घ) वने

8. विकल्पेभ्यः समुचितानि धातुरुपाणि विचित्य रिक्तस्थानानि पूरयत- (केवलं प्रश्नचतुष्टयम्) (1X4=4)

- (i) छात्रा विद्यालयं।
 (क) गच्छति (ख) गच्छसि (ग) गच्छन्ति (घ) गच्छ
- (ii) अहं लेखनकार्यं।
 (क) करिष्यति (ख) करिष्यामि (ग) करिष्यथ (घ) करिष्यावः
- (iii) अद्य मम विद्यालये प्रतियोगिता।
 (क) असि (ख) अस्ति (ग) अस्मि (घ) स्मः
- (iv) ह्यः सोमवासरः।
 (क) स्थः (ख) असि (ग) अस्ति (घ) आसीत्
- (v) पुत्रः मातरं।
 (क) सेवते (ख) सेवन्ते (ग) सेवसे (घ) सेवे

9. विकल्पेभ्यः समुचितानि शब्दरूपाणि विचित्य रिक्तस्थानानि पूरयत- - (केवलं प्रश्नचतुष्टयम्) (1X4=4)

- (i) माता मिष्ठानं यच्छति ।
 (क) पुत्राय (ख) पुत्रम् (ग) पुत्रेण (घ) पुत्रात्
- (ii) गीतं गायन्ति ।
 (क) बालकः (ख) बालकाः (ग) बालकौ (घ) बालकैः
- (iii) लेखं लिखामः ।
 (क) ते (ख) अहम् (ग) वयम् (घ) यूयम्
- (iv) वानराः खादन्ति ।
 (क) फलैः (ख) फलानि (ग) फलस्य (घ) फले
- (v) अहं नमामि ।
 (क) गुरुम् (ख) गुरौ (ग) गुरोः (घ) गुरुणाम्

10. अधोलिखितवाक्येषु रेखांकितपदानां प्रकृतिप्रत्ययौ संयोज्य विभज्य वा उचितम् उत्तरं विकल्पेभ्यः चित्वा लिखत- (केवलं प्रश्नत्रयम्) (1X3=3)

- (i) अष्टावक्रः राजानं दृशु+क्त्वा अवदत् ।
 (क) दृष्ट्वा (ख) दृश्य (ग) दृष्टवान् (घ) द्रीष्ट्वा
- (ii) हसन् बालकः गच्छति ।
 (क) हस्+तुमुन् (ख) हस्+शत् (ग) हस्+क्त्वा (घ) हस्+ल्यप्
- (iii) क्रियाविधिम् अवलोक्य परितुष्टः वनं गतवान् ।
 (क) अव+लोक्य (ख) अव+लोकृ+शत् (ग) अव+लोकृ+क्त्वा (घ) अव+लोकृ+ल्यप्
- (iv) सः भोजनं कृ+तुमुन् असमर्थः अस्मि ।
 (क) क्रेतुम् (ख) कर्तुम् (ग) क्रतुम् (घ) क्रीत्वा

11. उचिताव्ययपदैः रिक्तस्थानानि पूरयत- (केवलं प्रश्नचतुष्टयम्) (0.5X4=2)

- (i) मेघाः भवन्ति , तत्र वर्षा भवति ।
 (ii) अहं विद्यालयं गच्छामि ।
 (iii) रीता संगीता मित्रे स्तः ।
 (iv) अस्मिन् पुस्तके पाठाः सन्ति ?
 (v) मम जन्मदिवसः भविष्यति ।

श्वः , यत्र , च , अधुना , कति

12. उचितसंख्यावाचकपदैः रिक्तस्थानानि पूरयत- (केवलं प्रश्नचतुष्टयम्) (0.5X4=2)

- (i) पुस्तके (10)..... अध्यायाः सन्ति ।
 (ii) संस्कृतविषये (50) छात्राः उत्तीर्माः सन्ति ।
 (iii) वरम् (1).....गुणवान् पुत्रः ।

(iv) बसयाने (45) यात्रिणः तिष्ठन्ति ।

(v) मम पार्श्वे (90)..... रूप्यकाणि सन्ति ।

(घ -भागः पठितावबोधनम्)

13. अधोलिखितं गद्यांशं पठित्वा प्रदत्तप्रश्नान् उत्तरत-

अत्रान्तरे ब्राह्मणोऽपि श्राद्धं गृहीत्वा गृहम् उपावृत्तः । ब्राह्मणं दृष्ट्वा नकुलः रक्तविलिप्तमुखपादः तस्य चरणयोः अलुठत् । विप्रः तथाविधं तं दृष्ट्वा बालकोऽनेन खादितः इति अवधार्य कोपात् नकुलं व्यापादितवान् । अनन्तरं यावत् उपसृत्य अपत्यं पश्यति तावद् बालकः सुस्थः सर्पश्च व्यापादितः तिष्ठति । ततः तम् उपकारकं नकुलं मृतं निरीक्ष्य आत्मानं मुषितं मन्यमानः ब्राह्मणः परं विषादम् अगच्छत् ।

I. एकपदेन उत्तरत (एक शब्द में उत्तर दीजिए) - केवलं प्रश्नद्वयम् (0.5X2=1)

(क) नकुलेन कः व्यापादितः ? (ख) रक्तविलिप्तमुखपादः नकुलः कृतज्ञतया कस्य चरणयोः अलुठत् ?

(ग) कः परं विषादम् अगच्छत् ?

II. पूर्णवाक्येन उत्तरत ।(पूरे वाक्य में उत्तर लिखें ।) -केवलं प्रश्नद्वयम् (1X2=2)

(क) ब्राह्मणः नकुलं किमर्थम् व्यापादितवान् ? (ख) कः श्राद्धं गृहीत्वा गृहम् उपावृत्तः ?

(ग) ब्राह्मणः किमर्थं परं विषादम् अगच्छत् ?

III. भाषिक-कार्यम्- - केवलं प्रश्नद्वयम् (1X2=2)

(i) 'उपकारकम्' इति पदस्य विशेष्यपदम् अनुच्छेदे किम् ?

(ii) 'सुस्थः बालकः' – अनयोः किं विशेषण-पदम् अस्ति ?

(iii) कोपात् नकुलं व्यापादितवान् – अत्र वाक्ये किं क्रियापदम् अस्ति ?

14. अधोलिखितं पद्यांशं पठित्वा प्रदत्तप्रश्नान् उत्तरत-

छायामन्यस्य कुर्वन्ति स्वयं तिष्ठन्ति चातपे ।

फलान्यपि परार्थाय वृक्षाः सत्पुरुषाः इव ॥

मूलं भुजङ्गैः शिखरं प्लवङ्गैः शाखा विहङ्गैः कुसुमानि भृङ्गैः ।

नास्त्येव तच्चन्दनपादपस्य यन्नाश्रितं सत्वभरैः समन्तात् ॥2॥

I. एकपदेन उत्तरत (एक शब्द में उत्तर दीजिए) - केवलं प्रश्नद्वयम् (0.5X2=1)

(i) वृक्षाः स्वयं कुत्र तिष्ठन्ति ?

(ii) चन्दनस्य मूलं कैः आश्रितम् ?

(iii) कानि भृङ्गैः आश्रितम् ?

II. पूर्णवाक्येन उत्तरत ।(पूरे वाक्य में उत्तर लिखें ।) -केवलं प्रश्नद्वयम् (1X2=2)

(i) कः पादपः सत्वभरैः समन्तात् आश्रितं भवति ?

(ii) कानि परार्थाय भवन्ति ?

(iii) वृक्षाः के इव भवन्ति ?

III. निर्देशानुसारम् उत्तरत -केवलं प्रश्नद्वयम् (1X2=2)

(i) स्वयं तिष्ठन्ति चातपे – अत्र वाक्ये किं क्रियापदम् अस्ति ?

(ii) शाखा विहङ्गैः कुसुमानि भृङ्गैः – अत्र वाक्ये 'पुष्पम्' इत्यस्य किं पर्यायपदम् अस्ति ?

(iii) 'वृक्षाः सत्पुरुषाः' – अनयोः किं विशेषण-पदम् अस्ति ?

15. अधोलिखितं नाट्यांशं पठित्वा प्रदत्तप्रश्नान् उत्तरत

- तन्तुवायः आम, मया गुरुकुले शिक्षा गृहीता ।
नगरपालः किं काव्यरचनां जानासि ?
तन्तुवायः पश्यतु एव भवान्। तन्तुसंयोजने व्यग्रोऽहं कथं काव्यं कुर्याम् ?
नगरपालः तर्हि त्वया मया सह राजसभां गन्तव्यम् ।
तन्तुवायः प्रसीदतु भवान् ! तत्र गत्वा किं करिष्यामि । दयस्व, मयि दयस्व । तत्र गमनेन मम कार्यहानिः भविष्यति ।
नगरपालः नाहं जानो त्वया गन्तव्यमेव । एष राजदेशः । विसृज कार्यम् । झटिति आगच्छ मया साकम्।
तन्तुवायः राजादेश इति । गन्तव्यमेव, नास्ति उपायः । चलामि नगरपालक ! चलामि ।

तृतीयं दृश्यम्

(राजसभा । सर्वे यथापूर्वम् उपविष्टाः ।)

- नगरपालः (प्रविश्य) महाराज ! अनीतोऽयं कुविन्दः । अयं काव्यं कर्तुं न जानाति ।
भोजराजः (कुविन्दं प्रति) भोः त्वं काव्यं कर्तुं न जानीषे । अतः राजकोषात् धनं गृहीत्वा कवचिदन्यत्र प्रस्थानं कुरु । तव गृहे एष पण्डितवरः सकुटुम्बः स्थास्यति ।
तन्तुवायः राजन् ! राजनियमः तु मया पालनीयः एव तथापि श्रूयतां मम एकं निवेदनम् ।

- I. एकपदेन उत्तरत (एक शब्द में उत्तर दीजिए) - केवलं प्रश्नद्वयम् (0.5X2=1)
(i) तन्तुवायेन कुत्र शिक्षा गृहीता ? (ii) तन्तुवायः कस्मिन् व्यग्रः आसीत् ?
(iii) नगरपालः तन्तुवायं कुत्र गन्तुं कथयति ?
- II. पूर्णवाक्येन उत्तरत । (पूरे वाक्य में उत्तर लिखें ।) -केवलं प्रश्नद्वयम् (1X2=2)
(i) नगरपालः तन्तुवायं किं पृच्छति ? (ii) भोजराजः कुविन्दं प्रति किं कथयति ?
(iii) तन्तुवायः भोजराजाय किम् उत्तरं यच्छति ?
- III. निर्देशानुसारम् उत्तरत -केवलं प्रश्नद्वयम् (1X2=2)
(i) मम कार्यहानिः भविष्यति । - अत्र वाक्ये किं क्रियापदम् अस्ति ?
(ii) त्वं काव्यं कर्तुं न जानीषे । - अत्र वाक्ये किं कर्तृ-पदम् अस्ति ?
(iii) 'राजकोषात् धनं गृहीत्वा कवचिदन्यत्र प्रस्थानं कुरु' - अत्र वाक्ये 'वित्तम्' इत्यस्य किं पर्याय-पदम् अस्ति ?
16. रेखाङ्कित-पदानि आधृत्य समुचितं प्रश्नवाचकपदं चिनुत- (केवलं प्रश्नपञ्चकम्) (1X5=5)

- (i) मथ्यमानात् काष्ठात् अग्निः प्रजायते ।
(ii) नकुलस्य मुखं पादाः च रक्तेन विलिप्ताः ।
(iii) भामाशाहः धनराशिम् आदय आगच्छति ।
(iv) विद्वान् देवस्य दर्शनार्थं द्वारदेशम् अध्यास्ते ।
(v) शोकः धैर्यं नाशयति ।
(vi) मूढैः पाषाणखण्डेषु रत्नसंज्ञा विधीयते ।

17. अधोलिखितम् अन्वयं मञ्जूषायाः सहायतया पूरयत-

(0.5X4=2)

पृथिव्यां त्रीणि रत्नानि जलम्-अन्न-सुभाषितम् ।

मूढैः पाषाणखण्डेषु रत्नसंज्ञा विधीयते ।

अन्वयः – पृथिव्यां (i)..... अन्नं सुभाषितम् च त्रीणि एव (ii) भवन्ति । (iii) पाषाणखण्डेषु (iv)..... विधीयते ।

रत्नसंज्ञा, रत्नानि, मूढैः, जलम्

18. रेखांकितपदानां प्रसङ्गानुसारम् अर्थं चिनुत-

(केवलं प्रश्नचतुष्टयम्)

(1X4=4)

(i) भवन्ति नम्राः तरवः फलोद्गमैः ।

(क) वृक्षाः (ख) पर्वताः (ग) धेनुः (घ) काष्ठानि

(ii) अनन्तरं यावत् उपसृत्य अपत्यं पश्यति ।

(क) पुत्रम् (ख) नकुलम् (ग) ब्राह्मणम् (घ) सज्जनम्

(iii) स्वदेशं स्वाधीनं कर्तुं भवता किं न सोढम् ?

(क) हर्षम् (ख) सुखम् (ग) स्वतन्त्रम् (घ) परतन्त्रम्

(iv) सर्वस्य लोचनं शास्त्रम् ।

(क) नेत्रम् (ख) मोचनम् (ग) मुखम् (घ) शरीरम्

(v) यावद् भर्तुः परिचर्या समापये ।

(क) कृपाम् (ख) सेवाम् (ग) अन्तिकम् (घ) शरीरम्

19. मञ्जूषायाः सहायतया कथापूर्तिं कृत्वा कथां पुनः लिखत ।

(0.5X8=4)

आसीत् पुरा कोऽपि (i) नाम महामुनिः । एकदा यदा सः तरुच्छायोपविष्टः आसीत्, तदा तस्योपरि एका बलाका (ii)..... उदसृजत् । मुनेः दृष्टमात्रा एव (iii)..... भस्मसात् अभवत् । ततः मुनिः तपः प्रभावात् (iv)..... उपगतः । (v) ब्राह्मणगृहं प्राप्य भिक्षाम् अयाचत् । गृहिणी तमवदत् - प्रतिक्षस्व क्षणं, यावद् भर्तुः परिचर्या समापये । एतत् श्रुत्वा मुनिः तां कोपदृष्ट्या (vi) । सा विहस्य अभाषत्- मुने ! न अहं बलाका इति । मुनिः बद्धाञ्जलिः ताम् अवदत्- कथं त्वया अनन्यगोचरो (vii)..... ज्ञातः । धर्मव्याधं कञ्चन मांसविक्रयिणम् गत्वा एतत् पृच्छ । ततस्ते श्रेयोः भविष्यति । ब्राह्मणः धर्मव्याधम् अवदत् – भद्र ! मांसविक्रयिणः ते कथं ईदृशं विज्ञानम् ? धर्मव्याधः अवदत् – अहं मातापित्रोः भक्तः । अहं तौ स्नापयित्वा स्नामि, भोजयित्वा (viii) स्वीकरोमि । शाययित्वा च स्वपिमि ।

मञ्जूषा-

भोजनं, महातपा, बलाका, अहंकारम्, दृष्टवान्, विष्टाम्, मुनिः, बलाकावृत्तान्तो



BAL BHARATI PUBLIC SCHOOL
CLASS – IX
SUBJECT- SCIENCE
SAMPLE PAPER


TIME – 3 HRS

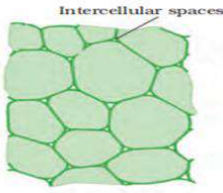
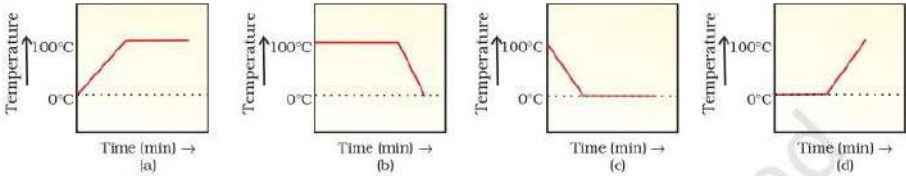
MAX MARKS:80

General Instructions:

1. This question paper consists of 39 questions in 5 sections. Maximum Marks: 80
2. All questions are compulsory. However, an internal choice is provided in some questions. A student is expected to attempt only one of these questions.
3. Section A consists of 20 objective type questions carrying 1 mark each.
4. Section B consists of 6 Very Short questions carrying 02 marks each. Answers to these questions should be in the range of 30 to 50 words
5. Section C consists of 7 Short Answer type questions carrying 03 marks each. Answers to these questions should be in the range of 50 to 80 words.
6. Section D consists of 3 Long Answer type questions carrying 05 marks each. Answer to these questions should be in the range of 80 to 120 words.
7. Section E consists of 3 case-based units of assessment of 04 marks each with sub-parts.

Q1.	Which of the following is the term used for the practice of bee culture? (a) Sericulture (b) Apiculture (c) Agriculture (d) Pisciculture	1
Q2.	Cells of intercalary meristem lacks (a) vacuoles (b) nuclei (c) cytoplasm (d) cell wall	1
Q3.	Living cells were discovered by (a) Robert Hooke (b) Purkinje (c) Leeuwenhoek (d) Robert Brown	1
Q4.	The covering of the cell that separates the content of the cell from its external environment is called (a) cell wall (b) cytoplasm (c) cell membrane (d) nucleus	1
Q5.	Flexibility in plants is due to (a) collenchyma (b) sclerenchyma (c) parenchyma (d) D) chlorenchyma	1
Q6.	Suppose a boy is moving with a uniform velocity of 10 m/s on a merry-go-round ride. Which of the following is true of the given scenario? (a) The boy is at rest (b) The boy is moving with no acceleration (c) The boy is moving with accelerated motion (d) The boy is moving with uniform velocity	1
Q7.	A girl is carrying a school bag of 3 kg mass on her back and moves 200 m on a levelled road. The work done against the gravitational force will be ($g = 10 \text{ m s}^{-2}$) (a) $6 \times 10^3 \text{ J}$ (b) 6 J (c) 0.6 (d) zero	1
Q8.	Atomicity of Chlorine and Argon is : (a) Monoatomic and diatomic respectively (b) Diatomic and diatomic respectively (c) Diatomic and monoatomic respectively (d) Monoatomic and monoatomic respectively	1
Q9.	Sound travels in air if (a) particles of medium travel from one place to another (b) there is no moisture in the atmosphere (c) disturbance moves (d) both particles as well as disturbance travel from one place to another.	1

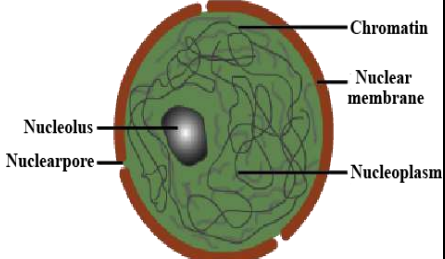
Q10.	The value of acceleration due to gravity (a) is same on equator and poles (b) is least on poles (c) is least on equator (d) increases from pole to equator	1
Q11.	Which one of the following sets of phenomena would increase on raising the temperature? (a) Diffusion, evaporation, compression of gases (b) Evaporation, compression of gases, solubility (c) Evaporation, diffusion, expansion of gases (d) Evaporation, solubility, diffusion, compression of gases	1
Q12.	Two particles are placed at some distance. If the mass of each of the two particles is doubled, keeping the distance between them unchanged, the value of gravitational force between them will be (a) 1/4 times (b) 4 times (c) 1/2 times (d) unchanged	1
Q13.	Which of the following properties does not describe a compound? (a) It is composed of two or more elements (b) It is a pure substance. (c) It cannot be separated into constituents by physical means (d) It is mixed in any proportion by mass	1
Q14.	The name of A, B, C and D in the following diagram are:  (a) A - Solidification, B - Vaporisation, C Fusion, D - Condensation (b) A - Vaporisation, B - Fusion, C Condensation, D - Solidification (c) A - Fusion, B - Vaporisation, C Condensation, D - Solidification (d) A - Condensation, B - Vaporisation, C Solidification, D - Fusion	1
Q15.	A sample of NH ₃ molecule irrespective of source contains 82.35% Nitrogen and 17.65% of Hydrogen by mass. This data supports: (a) Law of Conservation of Mass (b) Law of Multiple Proportions (c) Law of Definite Proportions (d) Avogadro's Law	1
Q16.	The inertia of an object tends to cause the object (a) to increase its speed (b) to decrease its speed (c) to resist any change in the state of rest or of motion (d) to decelerate due to friction	1
The questions below (Q.17 to 20) consist of an Assertion and a Reason. Use the following key to choose the appropriate answer. (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.		
Q17.	Assertion(A): Nitrogen is a micronutrient. Reason(R): Micronutrients are nutrients required in small quantity.	1
Q18.	Assertion: If the net external force on the body is zero, then its acceleration is zero. Reason(R): Acceleration does not depend on force.	1
Q19.	Assertion (A): Rutherford's atomic model was that it could not explain the stability of atoms. Reason (R): Any charged particle during acceleration would radiate energy, and while revolving, it would lose its energy and eventually fall into the nucleus.	1
Q20.	Assertion(A): Work done by or against gravitational force in moving a body from one point to	1

	another is independent of the actual path followed between the two points. Reason (R) : Gravitational forces are conservative forces.		
SECTION B			
Q21.	Observe the given diagram and answer: (a) Identify the type of tissue (b) Where is this tissue located in the plant? (c) What is the function of this tissue?		2
Q22.	Give the chemical formula for the following compounds and compute the ratio by mass of the combining elements in each one of them. (a) Magnesium acetate (b) Calcium hydroxide OR		2
Q22.	(a) Calculate the molecular mass of $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$. (b) An atom M of an element reacts with oxygen to form M_2O_3 . Calculate the valency of M.		
Q23.	Give reasons: (a) Short duration maturing crops are beneficial to farmers. (b) Italian bee variety is preferred over other varieties.		2
Q24.	A car starts from rest and moves along the x-axis with a constant acceleration of 5 m/s^2 for 8 seconds. If it then continues with constant velocity, what distance will the car cover in 12 seconds since it started from the rest?		2
Q25.	How does a speed of sound changes : (a) Temperature of medium (b) Physical state of medium		2
Q26.	State postulates of Bohr's model with the help of diagram. OR		2
Q26.	Explain why Cl atomic mass is taken as 35.5 u and not as a whole no. like 32 or 36.		
SECTION C			
Q27.	(a) Differentiate between the plastids commonly found in roots and flowers/fruits of plants. (b) Mitochondria can make some of their proteins. Give reason.		3
Q28.	Derive the unit of force using the second law of motion. A force of 5 N produces an acceleration of 8 m s^{-2} on a mass m_1 and an acceleration of 24 m s^{-2} on a mass m_2 . What acceleration would the same force provide if both the masses are tied together?		3
Q29.	Two objects of masses m_1 and m_2 having the same size are dropped simultaneously from heights h_1 and h_2 respectively. Find out the ratio of time they would take in reaching the ground. Will this ratio remain the same if (i) one of the objects is hollow and the other one is solid		3
Q30.	A student heats a beaker containing ice and water. He measures the temperature of the content of the beaker as a function of time. Which of the following (shown in figure given below) would correctly represent the result? Justify your choice.		3
Q31.	Three students A, B and C prepared mixtures using chalk powder, common salt and milk respectively in water. Whose mixture: (i) would not leave residue on filter paper after filtration? (ii) would show Tyndall effect? (iii) would settle down at the bottom when left undisturbed? (iv) could be filtered by filter paper?		3

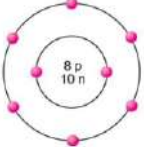
	(b) The teacher instructed three students 'A', 'B' and 'C' respectively to prepare a 50% (mass by volume) solution of sodium hydroxide (NaOH). 'A' dissolved 50 g of NaOH in 100 mL of water, 'B' dissolved 50 g of NaOH in 100 g of water while 'C' dissolved 50 g of NaOH in water to make 100 mL of solution. Which one of them has made the desired solution and why? OR (b) Give the expression for the concentration of a solution. How will you prepare a 10% solution of glucose by mass in the water?	
--	--	--

Q32.	(a) Which, type of muscles, i.e., smooth or striated are found in the iris of the eye? (b) Why are smooth muscles called involuntary muscles? (c) In what way they are different from striated muscles with respect to number of nuclei?	3
Q33.	Give three points of difference between sclerenchyma and parenchyma tissue.	3

SECTION D

Q34.	(a) Which part of the above diagram carries the 'hereditary material'? (b) Who discovered the nucleus for the first time? (c) Why is it called the 'control centre' of the cell? (d) How is this nucleus different from the nucleus of a bacterial cell?		5
-------------	---	--	----------

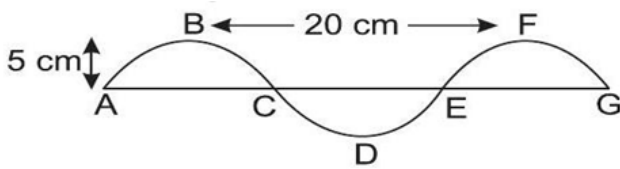

Q35.	(a) Derive the formula for the potential energy (b) The power of a motor pump is 2 kW. How much water per minute the pump can raise to a height of 10 m? (Given $g = 10 \text{ m s}^{-2}$) (c) A freely falling object eventually stops on reaching the ground. What happens to its kinetic energy?	5
-------------	--	----------

Q36.	<p>The given figure depicts the atomic structure of an atom of an element 'X'.</p>  <p>Write the following information about the element 'X'.</p> <p>(a) Atomic number of 'X' (b) Mass no. of 'X' (c) Valency of 'X' (d) Representation of element X (e) 'X' should be metal or non-metal. Why? (f) If an atom of element X acquires noble gas configuration by accepting requisite no. of electrons, then write the ionic form of this element. (g) Write the chemical formula of any compound of this element.</p> <p align="center">OR</p>	5
-------------	--	----------

Q36.	(a) On the basis of the number of protons, neutrons and electrons in the samples given below, identify:																					
	<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>SAMPLE</th> <th>PROTONS</th> <th>NEUTRONS</th> <th>ELECTRONS</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>17</td> <td>18</td> <td>16</td> </tr> <tr> <td>B</td> <td>18</td> <td>19</td> <td>18</td> </tr> <tr> <td>C</td> <td>17</td> <td>20</td> <td>17</td> </tr> <tr> <td>D</td> <td>17</td> <td>17</td> <td>17</td> </tr> </tbody> </table>	SAMPLE	PROTONS	NEUTRONS	ELECTRONS	A	17	18	16	B	18	19	18	C	17	20	17	D	17	17	17	
SAMPLE	PROTONS	NEUTRONS	ELECTRONS																			
A	17	18	16																			
B	18	19	18																			
C	17	20	17																			
D	17	17	17																			
	<p>i) the cation ii) the pair of isobars, and iii) the pair of isotopes</p>																					
	(b) The average atomic mass of a sample of an element X is 16.2 u. What are the percentage of isotopes ^{16}X and ^{18}X in the sample?																					

SECTION E

Case- based / data- based questions with sub-parts.

Internal choice is provided in one of these sub-parts		
Q37.	<p>Three different cropping patterns- X, Y and Z are applied to get the maximum benefits from a crop field. In X, two or more crops are grown together in the same field in different rows or strips. In Y also, two or more crops are grown together but not in definite rows. In Z, different crops are grown on a piece of land in a pre-planned succession. These cropping patterns maintain soil fertility and crop yield.</p> <p>a) Identify X, Y and Z. b) What benefit do these cropping patterns offer? c) What is the basis of selecting crops in these patterns? Explain using examples.</p>	4
Q38.	<p>Two friends Shefali and Anuj make a toy telephone by joining two plastic cups through a long string. They both stand apart. Anuj speaks softly into one cup and Shefali hears by putting her ear in the other cup. Now, Shefali speaks and Anuj listens.</p> <p>Read the given passage carefully and give the answer of the following questions:</p> <p>(a) What type of waves are produced by voice of Anuj and Shefali in the air inside the plastic cup? (b) What type of waves are produced in the string? (c) Why is sound wave called a longitudinal wave? (d) Waves of frequency 100 Hz are produced in a string as shown in figure. Give its amplitude and wavelength.</p> <div style="display: flex; align-items: center; justify-content: center;">   </div>	4
Q39.	<p>Read the text carefully and answer the questions:</p> <p>In order to verify the law of conservation of mass, a student mixed 6.3 g of sodium carbonate and 15.0 g of ethanoic acid in a conical flask. After experiment, he weighed the flask again. The weight of the residue in the flask was only 18.0 g. He approached the teacher who guided him to carry the experiment in a closed flask with a cork. There was no difference in weight of the flask before and after the experiment.</p> <p>(a) What was the mistake committed by the student? (b) Why did not the two weights match earlier? (c) How did the teacher help him? (d) What lesson was learnt by the student?</p> <p style="text-align: center;">OR</p> <p>(d) Which law of chemical combination does this support?</p>	4



BAL BHARATI PUBLIC SCHOOL, DWARKA
CLASS – IX
SAMPLE PAPER
SUBJECT: MATHEMATICS

MM: 80

TIME: 3 Hrs

General Instructions:

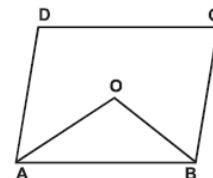
1. All questions are compulsory.
2. The question paper consists of five sections- A, B, C, D and E.
3. Section A comprises of 20 MCQs of 1 mark each.
4. Section B comprises of 5 Very Short Answer Type questions of 2 marks each.
5. Section C comprises of 6 short answer type questions of 3 marks each.
6. Section D comprises of 4 Long Answer Type questions of 5 marks each.
7. Section E comprises has 3 case-based questions (4 marks each) with sub parts.

SECTION A

- Q1. If $z^3 = 729$, then z is
a) irrational number b) rational number c) neither rational nor irrational number d) natural number
- Q2. The decimal expansion of the number $\sqrt{8}$ is
a) a finite decimal b) 1.732 c) non-terminating recurring d) non-terminating non-recurring
- Q3. $\sqrt{6} \times \sqrt{8}$ is equal to
a) $3\sqrt{4}$ b) $4\sqrt{3}$ c) $\sqrt{14}$ d) $6\sqrt{8}$
- Q4. The degree of the polynomial $\sqrt{15}$ is
a) $\frac{1}{2}$ b) 0 c) 1 d) -1
- Q5. If $x=1$ and $y=1$ is a solution of equation $9ax + 12ay = 63$, then the value of a is
a) 3 b) 0 c) -3 d) 4
- Q6. Solution of the equation $3x - y = 3$ is
a) (0, -3) b) (2, 3) c) (3, 6) d) All of these
- Q7. Postulates are assumed:
a) Universal truth specific of geometry b) Universal truths in all branches of mathematics c) Definitions
- Q8. Euclid arranged all known work in the field of mathematics in his treatise called:
a) Elements b) Axioms c) Postulates d) Theorem
- Q9. If three or more points do not lie on the same straight line, the points are called –
a) Concurrent points b) Collinear points c) Non Collinear Points d) Adjacent Points

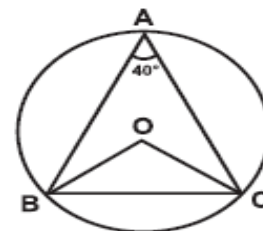
- Q10. The angles which is two times its complement is
 a) 120° b) 60° c) 30° d) 100°
- Q11. If one angle of a triangle is equal to the sum of the other two angles, then the triangle is
 a) an equilateral triangle b) an isosceles triangles c) an obtuse triangle d) a right triangle
- Q12. The figure obtained by joining the midpoints of the sides of rectangle taken in order is a
 a) Square b) Parallelogram c) Rhombus d) Rectangle
- Q13. If two consecutive sides of a rhombus are represented by $3x - 6$ and $x + 14$ then the perimeter of the rhombus is
 a) 10 b) 24 c) 70 d) 96

- Q14. In parallelogram ABCD, bisectors of angles A and B intersect each other at O then values of the AOB is
 a) 90° b) 30° c) 60° d) 120°



- Q15. A parallelogram must be a rectangle if its diagonals
 a) Bisect each other b) Are congruent c) Are perpendicular to each other d) None of these
- Q16. An equilateral triangle of side 9cm is inscribed in a circle. The radius of the circle is:
 a) 3cm b) $3\sqrt{2}$ cm c) $3\sqrt{3}$ cm d) 6cm

- Q17. In the given figure O is the center of a circle and $\angle BAC = 40^\circ$, then $\angle OBC = ?$
 a) 40° b) 50° c) 80° d) 20°



- Q18. The height of a cone of diameter 16cm and slant height 17cm, is
 a) 12cm b) 15cm c) $\sqrt{69}$ cm d) $\sqrt{194}$ cm
- Q19. The surface area of a solid hemisphere having radius r
 a) $2\pi r^2$ b) $3\pi r^2$ c) $4\pi r^2$ d) $2/3\pi r^2$
- Q20. To draw a frequency polygon we need _____ of the class interval for x-axis and frequency of the respective class for y-axis
 a) upper limit b) lower limit c) class-mark d) range

SECTION B

- Q21. If in a triangle $AB = 16$ cm, $BC = 12$ cm and $AC = 14$ cm. Find the area of ΔABC and hence its altitude corresponding to side BC.
- Q22. If ΔABC is an isosceles triangle such that $AB = AC$, then prove that altitude AD from A on BC bisects it.
- Q23. If the angles of a triangle are in the ratio 1:3:5 then show that the triangle is obtuse angled triangle.
- Q24. Express $0.\overline{3178}$ in the form of p/q where p and q are integers and $q \neq 0$

Q25. Evaluate $(196)^2$ using the suitable identity.

SECTION C

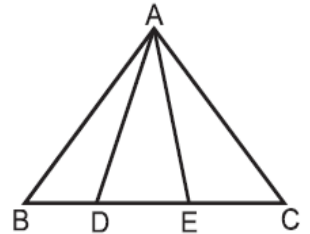
Q26. Factorise: $x^3 + 6x^2 + 11x + 6$

Q27. Find two solutions of the equation $7x + 2y = 28$. Check whether $(-2, 10)$ is solution of the given equation.

Q28. In the given figure, if $AB = AC$, $\angle BAD = \angle CAE$ then prove that $\triangle ADE$ is an isosceles triangle.

OR

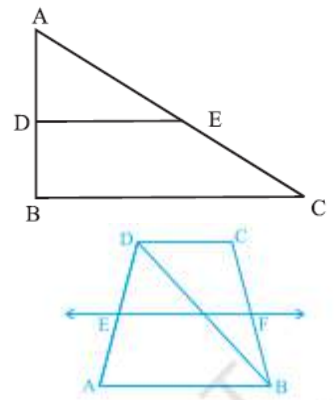
Prove that angles opposite to the equal sides of an isosceles triangle are equal



Q29. In the figure, $\triangle ABC$ is right angled at B. If $AB = 9\text{cm}$, $AC = 15\text{cm}$ and D and E are the mid points of AB and AC respectively calculate the length of DE.

OR

ABCD is a trapezium in which AB is parallel to DC, BD is a diagonal and E is the mid-point of AD. A line is drawn through E parallel to AB intersecting BC at F. Show that F is the mid-point of BC.



Q30. A triangular park ABC has sides 120m, 80m, and 50m. A gardener has to put a fence all around it and also plant some trees inside the garden to get clean air.

- Find the cost of fencing it at the rate of Rs.50 per meter.
- Find its area where gardener may plant the tree.

Q31. Three spheres of radii 3cm, 4cm and 5cm are melted together to form a single sphere. Find the radius of new sphere.

SECTION D

Q32. If $x = 3 + 2\sqrt{2}$, Evaluate $x^3 + (1/x^3)$

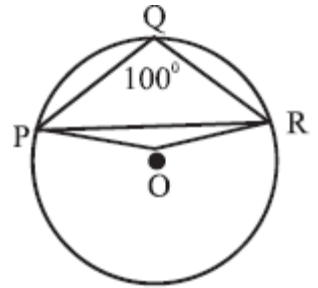
Q33. If the polynomials $az^3 + 4z^2 + 3z - 4$ and $z^3 - 4z + a$ leave the same remainder when divided by $z - 3$, find the value of a.

OR

If $a + b + c = 5$ and $ab + bc + ca = 10$, then prove that $a^3 + b^3 + c^3 - 3abc = -25$.

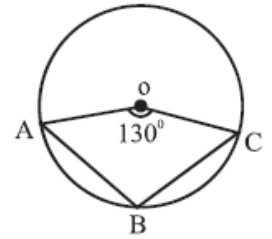
Q34.

- i) Prove that cyclic parallelogram is a rectangle.
 ii) In given figure $\angle POR = 100^\circ$ where P, Q and R are points on the circle with centre O. Find $\angle OPR$.



OR

- i) If given figure O is centre of circle. If $\angle AOC = 130^\circ$ then find $\angle ABC$
 ii) If two non-parallel sides of a trapezium are equal prove that it is cyclic quadrilateral.

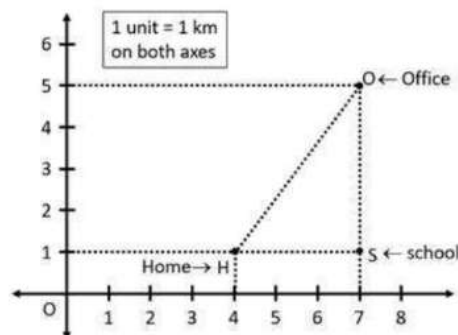


Q35. Draw the histogram and frequency polygon from the following data

Class	0-10	10-20	20-30	30-40	40-50
Frequency	8	15	20	12	16

SECTION E

Q36. Saumya has to reach her office every day at 10:00 am. On the way to her office, she drops her son at school. Now, the location of Saumya's house, her son's school and her office are represented by the map below. Using the details given, answer the following questions.



- i) Find the distance between Saumya's office and her son's school.
 ii) Find the distance between Saumya's home and her son's school.
 iii) Find the coordinates of Saumya's office.

Q37. Ajay prepared a dish and kept it in a hemispherical bowl of 30 cm diameter. He distributed the dish in cylindrical cups of diameter 15 cm and height 4 cm among his friends.

a) What is the volume of bowl?

b) What is the volume of 1 cup?

c) How many friends were with Ajay?

Q38. Under tree plantation programme students of class IX planted total $(3x^2 - 4x - 4)$ trees in school.

a) What is the degree of polynomial $3x^2 - 4x - 4$.

b) Find the zeroes of polynomial $3x^2 - 4x - 4$.

c) If total number of students in the class are $(x-2)$, then find the number of trees planted by each student. (assuming each student planted equal number of trees)

BAL BHARATI PUBLIC SCHOOL, DWARKA
CLASS 9
ANNUAL SAMPLE PAPER SOCIAL SCIENCE (2024-25)

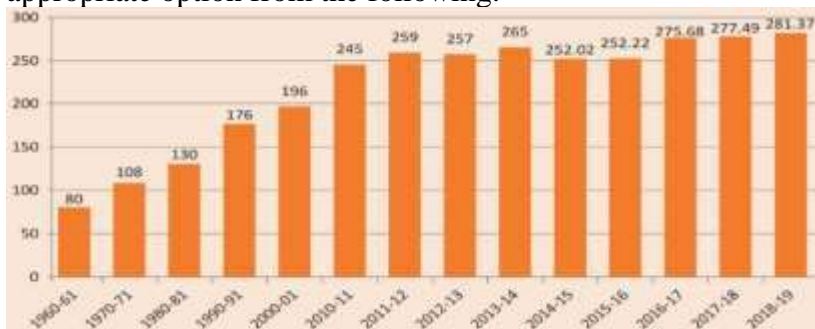
TIME – 3 HOURS

General Instructions:

1. 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 question 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.
7. Section F – Question no. 37 is map based, carrying 5 marks with two parts, 37a from History (2 marks) and 37b from Geography (3 marks).
8. There is no overall choice in the question paper. However, an internal choice has been provided in few questions. Only one of the choices in such questions have to be attempted.
9. In addition to this, separate instructions are given with each section and question, wherever necessary.
10. Note: CBQ stands for “Competency Based Question”. 50% weightage allocated for competency-based questions.

Section A

1. No one can employ a child below the age of 14 to work in any factory or mine in any hazardous work, with which law the mentioned statement is associated ?
a) Right to freedom of religion
b) Right against Exploitation
c) Cultural and educational right
d) Right to equality
2. Which element does firm maximize?
a) Profit
b) Wages
c) Salary
d) Remuneration
3. Read the following data that shows the production of Foodgrains in India (Million Tonnes) and select the appropriate option from the following.



Source: Department of Agricultural, Cooperation and Farmers Welfare, Annual Report, 2018 -19.

In which decade did India experience the highest decadal increase in foodgrain production?

- a) 1980-81
b) 1970-71
c) 1990-91
d) 2010-11
4. Choose the appropriate answer.
A. The cabinet decide to give 27% job reservation to backward classes.
B. Parliament upheld reservation as invalid.
a) Both A and B are false
b) A is false but B is true
c) A is true but B is false
d) Both A and B are true

5. Which of these countries was related to Allied powers:

- a) Germany
- b) Britain
- c) Turkey
- d) Austria

6. In which country free and fair elections are not held?

- a) Both China and Mexico
- b) India
- c) Mexico
- d) China

7. **Assertion (A):** It was finally in 1946 that women in France won the right to vote.

Reason (R): The Constitution of 1791 reduced women to passive citizens.

- 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.

8. Thirty-year-old Lakha Singh works as a daily-wage labourer in an urban area. He lives in a one-room rented house in a crowded basti in the outskirts of the city. It's a temporary shack built of bricks and clay tiles. The money is not enough to sustain his family of six-that includes his wife and four children aged between 12 years to six months. Lakha Singh is unhealthy and not able to work efficiently as his intake of accepted average calorie requirement is very low. With respect to the above case analyse what is the standard accepted average calorie requirement.

- a) 4800 per year
- b) 3600 per month
- c) 2100 per day
- d) 2400 per week

9. Which of the following exercises only nominal powers?

- a) Cabinet
- b) Prime Minister
- c) Lok Sabha
- d) President

10. On the political map of France, A is marked as a place that was in a state of alarm on 14th July 1789 following the king's command. Identify it from the following options.



- a) Bastille
- b) Nantes
- c) Marseillaise
- d) Paris

11. Which of the following is/are true with reference to Chief Election Commissioner?

- A. He/She is appointed by the President.
- B. Once appointed, he/she is not answerable to the President or the government.

- a) A is false but B is true
- c) Both A and B are false

- b) A is true but B is false
- d) Both A and B are true

12. In which country one person, one vote, and one value is not applied?

- a) India
- c) Fiji
- b) Nepal
- d) Sri Lanka

13. Arrange the following in correct sequence with respect to the period in which the event occurred:

- i. Germany pulls out of League of Nation
- ii. The situation of Hyperinflation in Germany
- iii. Nazi youth League established
- iv. Hitler joins the German Worker's Party

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

14. Read the information given below and select the correct option

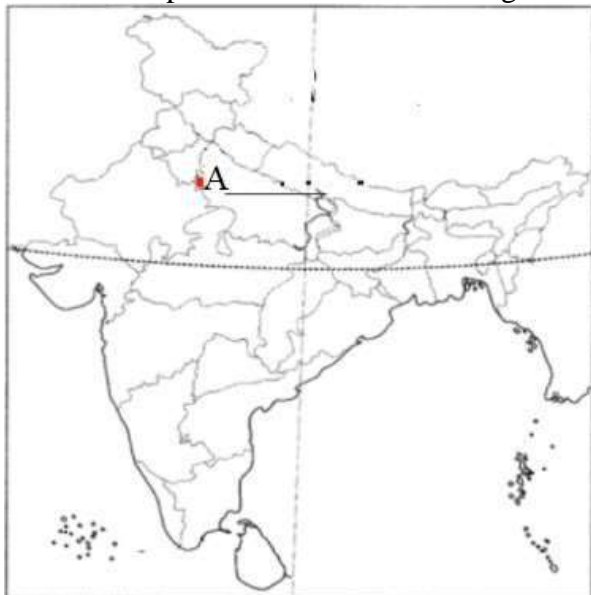
The Constitution began with a Declaration of the Rights of Man and Citizen. Rights were established as 'natural and inalienable' rights, that is, they belonged to each human being by birth and could not be taken away. It was the duty of the state to protect each citizen's natural rights. With the help of given information, choose which of the following rights was not established as 'natural and inalienable' rights?

- a) Right to life
- c) Freedom of opinion
- b) Freedom of speech
- d) Right to constitutional remedies

15. Which of the following is a Constitutional right?

- a) Right to Property
- c) Right to Freedom and Religion
- b) Right to Equality
- d) Cultural and Educational Right

16. On the political map, A is marked as a metropolitan city characterized by River Yamuna and is located at the terminal part of the Aravali hill range. Identify it from the given options.



- a) Lucknow
- c) New Delhi
- b) Dehradun
- d) Chandigarh

17. In which of the following states is the Wular lake located?

- a) Jammu and Kashmir
- c) Rajasthan
- b) Punjab
- d) Uttar Pradesh

18. Who in France, wanted the government to encourage cooperatives and replace capitalist enterprises?

- a) Robert Owen
- c) Rousseau

- b) Louis Blanc
- d) Karl Marx

19. Which of the following is a primary economic activity?

- a) Banking
- c) Forestry
- b) Trade
- d) Transport

20. The total length of the coastline of the Indian mainland is

- a) 9,000 km
- c) 7,516 km
- b) 8,878 km
- d) 6,500 km

Section B

21. Write a short note on Himadri.[2]

22. What do you understand by 'people as resource'? [2]

OR

What efforts have been taken by the government in the field of education?

23. Pakistan under General Pervez Musharaff was a democratic country or non-democratic. Give reasons.[2]

24. How is food security ensured in India?[2]

Section C

25. How do PDS dealers resort to malpractices? [3]

26. Who was father Gapon? Narrate the events leading to the **Bloody Sunday** incident and the 1905 Revolution. [3]

OR

Explain the concept of Karl Marx about the socialist society.

27. Explain what measures should be taken to come out of sex unfavorable ratio.[3]

28. How can you prove that elections are democratic?[3]

29. What is the importance of civil servants in running the government?[3]

Section D

30. How did France become a constitutional monarchy?[5]

OR

Why is the period between 1793-94 referred as the Reign of terror.

31. What ideas justify that how temperature varies from place to place and season to season in our country?[5]

OR

Why is the unifying influence of the monsoon on the Indian sub-continent quite perceptible?

32. What is the impact of unemployment?[5]

OR

"Human resource is an indispensable factor of production". Elucidate.

33. State 5 functions of the Prime Minister of India. [5]

OR

State the role of President in a Democratic country.

Section E

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

'For this earth is not allotted to anyone nor is it presented to anyone as a gift. It is awarded by providence to people who in their hearts have the courage to conquer it, the strength to preserve it, and the industry to put it to the plough. The primary right of this world is the right to life, so far as one possesses the strength for this. Hence on the basis of this right a vigorous nation will always find ways of adapting its territory to its population size.' -Hitler, Secret Book, ed. Telford Taylor.

- i. To what can the crimes of Nazis be linked? (1)
- ii. What, according to Nazi ideology, was the position of the people on this territory? (1)
- iii. Explain the Nazi ideology related to the geopolitical concept. (2)

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

India is one of the ancient civilisations in the world. It has achieved multifaceted socio-economic progress during the last five decades. It has moved forward displaying remarkable progress in the field of agriculture, industry, technology, and overall economic development. India has also contributed significantly to the making of world history. India is a vast country. Lying entirely in the Northern hemisphere the mainland is between latitudes $8^{\circ}4'N$ and $37^{\circ}6'N$ and longitudes $68^{\circ}7'E$ and $97^{\circ}25'E$. The Tropic of Cancer divides the country into almost two equal parts. To the southeast and southwest of the mainland, lie the Andaman and Nicobar Islands and the Lakshadweep Islands in the Bay of Bengal and the Arabian Sea respectively. The southernmost point of the Indian Union was submerged under the seawater in 2004 during the Tsunami.

- i. Name the southernmost point of the Indian Union that submerged under the seawater in 2004 during the Tsunami. (1)
- ii. Tropic of Cancer divides the country into almost two equal parts. What is the latitudinal value of the Tropic of Cancer? (1)
- iii. Give the names of India's two island groups. (2)

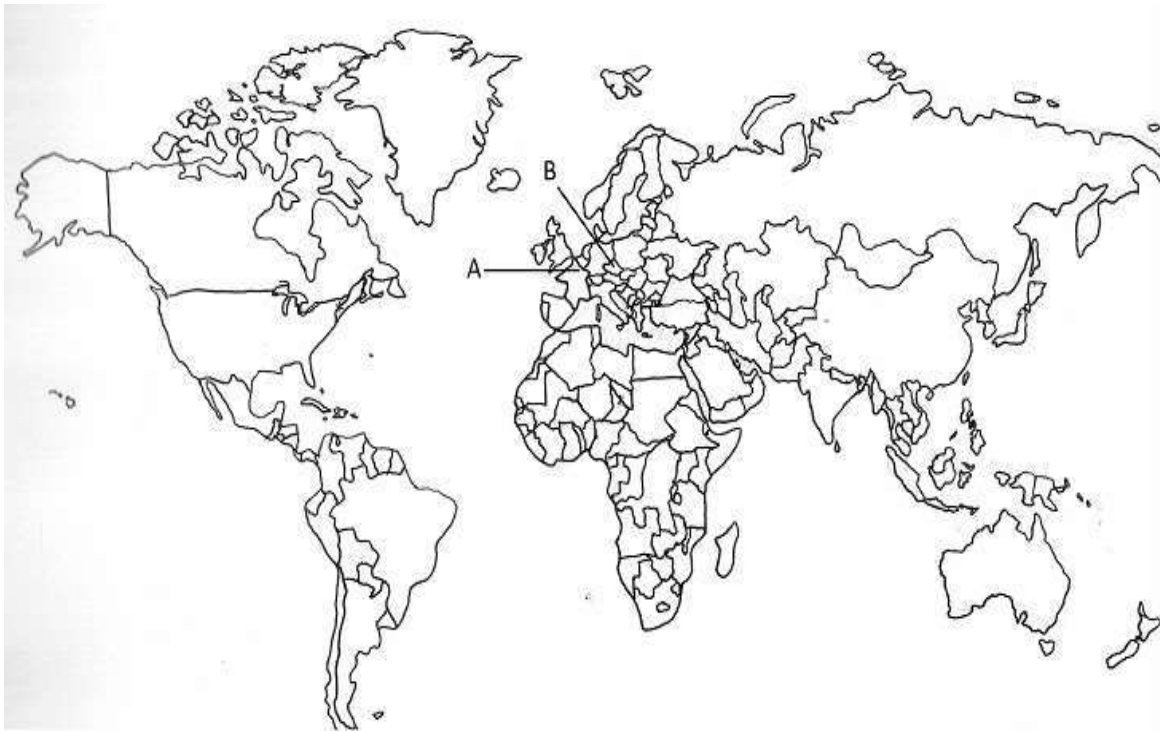
36. Read the following text carefully and answer the questions that follow:

Mahatma Gandhi National Rural Employment Guarantee Act, 2005 aims to provide 100 days of wage employment to every household to ensure livelihood security in rural areas. It also aimed at sustainable development to address the cause of drought, deforestation and soil erosion. One-third of the proposed jobs have been reserved for women. Prime Minister Rozgar Yozana is another scheme which was started in 1993. The aim of the programme is to create self-employment opportunities for educated unemployed youth in rural areas and small towns. They are helped in setting up small business and industries. Rural Employment Generation Programme was launched in 1995. The aim of the programme is to create self-employment opportunities in rural areas and small towns. A target for creating 25 lakh new jobs has been set for the programme under the Tenth Five Year plan. Swarnajayanti Gram Swarozgar Yojana was launched in 1999. The programme aims at bringing the assisted poor families above the poverty line by organising them into self help groups through a mix of bank credit and government subsidy. Under the Pradhan Mantri Gramodaya Yozana launched in 2000, additional central assistance is given to states for basic services such as primary health, primary education, rural shelter, rural drinking water and rural electrification. The results of these programmes have been mixed. One of the major reasons for less effectiveness is the lack of proper implementation and right targeting. Moreover, there has been a lot of overlapping of schemes. Despite good intentions, the benefits of these schemes are not fully reached to the deserving poor. Therefore, the major emphasis in recent years is on proper monitoring of all the poverty alleviation programmes.

- i. Explain any one cause for the less effectiveness of poverty alleviation programmes? (1)
- ii. Explain any two features of the Mahatma Gandhi National Rural Employment Guarantee Act 2005? (1)
- iii. What objectives did SGSY have? (2)

Section F

37. i. Two places A and B have been marked on the given outline map of the world. Identify them and write their correct names on the lines drawn near them
- A. The city where the fortress-like prison was stormed.
 - B. Territories under German expansion.
- ii. On the outline map of India locate and label **ANY THREE** of the following with suitable Symbols.
- a. Pulicat - Lake
 - b. Mudumalai - Wildlife Sanctuaries
 - c. The state has the lowest density of population
 - d. Ranganthitto - Bird Sanctuaries



BAL BHARATI PUBLIC SCHOOL, DWARKA
ARTIFICIAL INTELLIGENCE (417)
Class IX (Session 2024-25)
SAMPLE PAPER

Time Allowed: 2 Hours



Maximum Marks: 50

General Instructions:





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




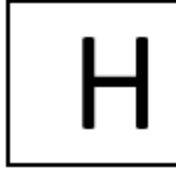

SECTION A: OBJECTIVE TYPE QUESTIONS


Q. 1 Answer any 4 out of the given 6 questions on Employability Skills (1 x 4 = 4 marks)

i)	Identify the following symbols and write the name of it : <div style="display: flex; flex-direction: column; align-items: center;"><div style="display: flex; align-items: center; margin-bottom: 10px;">a)</div><div style="display: flex; align-items: center;">b)</div></div>	1
ii)	What is the best way to start our day positively?	1

	(a) Think about all that can go wrong. (b) Think about the difficult test you will face during the day. (c) Think about all your accomplishments so far and feel good about it. (d) Think about the traffic on the road and feel stressed.	
iii)	Which shortcut key is used for Copy Option? a)Ctrl + P b)Ctrl +V c)Ctrl+C d)Ctrl+Z	1
iv)	How can we conserve our health and environment?(Choose all the correct options) a)Grow organic crops b)Use natural fertilisers c)Use excessive pesticides for better yield d)Reduce the use of plastic	1
v)	Which of the following is NOT one of the 3 Ps of Public Speaking? a) Preparation b) Practice c) Performance d) Procrastination	1
vi)	Why is having a positive attitude important for self-confidence? a) It helps in handling situations calmly b) It guarantees success without effort c) It eliminates the need for learning d) It allows people to ignore problems	1
Q. 2 Answer any 5 out of the given 6 questions.(1 x 5 = 5 marks)		
i)	Find the output of the following code: vowels=['a','e','i','o','u'] val=vowels.pop(2) print(val)	1
ii)	Variational Autoencoders (VAEs) are best suited for: a) Content classification b) Image reconstruction and generation c) Speech-to-text conversion d) Predicting stock market trends	1
iii)	Given the series of numbers below. Try to identify patterns and correlations of terms in them and give the missing number. 1,1,2,3,5,8,_____,21,34	1
iv)	Statement(A): Problem scoping is unnecessary if the AI model is strong. Statement(B): A good AI model can solve any problem without understanding the issue. a)Both A and B are true.	1

	<p>b)Both A and B are false. c)A is true,but B is false d)A is false,but B is true</p>	
v)	<p>Which one of the following represents Quality Education SDG?</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>a)</p> </div> <div style="text-align: center;">  <p>b)</p> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;">  <p>c)</p> </div> <div style="text-align: center;">  <p>d)</p> </div> </div>	1
vi)	<p>Identify the AI domain:(Data Science,CV,NLP) a)Identifying traffic signals:_____ b)Rock Paper Scissors : _____</p>	1
Q. 3 Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)		
i)	<p>What will be the output of the following Python code?</p> <pre>i = 2 while i < 6: print(i) i = i + 2</pre> <p>(a) 2 4 6 (b) 2 3 4 5 (c) 2 4 (d) 1 2 3 4</p>	1
ii)	<p>Statement(A): Generative AI can be used to create fake videos known as deepfakes. Statement(B): AI models can manipulate real video footage and replace faces or voices.</p> <p>a) Both A and B are true. b) Both A and B are false. c) A is true, but B is false d) A is false, but B is true</p>	1
iii)	<p>Choose the figure which is different from the rest?</p>	1



	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>(A)</p> </div> <div style="text-align: center;">  <p>(B)</p> </div> <div style="text-align: center;">  <p>(C)</p> </div> <div style="text-align: center;">  <p>(D)</p> </div> </div> <p>a) Figure A b) Figure B c) Figure C d) Figure D</p>	
iv)	<p>What is the output of the following code?</p> <pre>list = [5, 15, 25, 35, 45, 55, 65] result = list[::2] print(result)</pre> <p>a) [5, 15, 25, 35, 45, 55, 65] b) [5, 25, 45, 65] c) [15, 35, 55] d) [25, 55]</p>	1
v)	<p>Which of the following is an example of graphical data representation?</p> <p>a) Tables b) Paragraphs c) Pie Charts d) Lists</p>	1
vi)	<p>The 'Where' in the 4Ws of a problem statement helps identify:</p> <p>a) The reason behind the problem b) The location or environment where the problem exists c) The people responsible for the problem d) The timeframe for solving the problem</p>	1
<p>Q. 4 Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)</p>		
i)	<p>Write down each Generative AI tool functionality shown in the images</p> <hr style="width: 30%; margin-left: 0;"/>  <p>a)</p>	1




	 <p>b)</p>											
ii)	<p>Match the Following</p> <table border="1" data-bbox="277 558 1406 890"> <thead> <tr> <th>Column A (Function/Feature)</th> <th>Column B (Definition/Use Case)</th> </tr> </thead> <tbody> <tr> <td>1. <code>print()</code></td> <td>a) Reads input from the user</td> </tr> <tr> <td>2. <code>input()</code></td> <td>b) Returns the length of a string or list</td> </tr> <tr> <td>3. <code>len()</code></td> <td>c) Used for commenting in Python</td> </tr> <tr> <td>4. <code>#</code> (Hash Symbol)</td> <td>d) Displays output on the screen</td> </tr> </tbody> </table> <p>a) 1-d, 2-a, 3-b, 4-c b) 1-a, 2-d, 3-c, 4-b c) 1-b, 2-c, 3-d, 4-a d) 1-c, 2-b, 3-a, 4-d</p>	Column A (Function/Feature)	Column B (Definition/Use Case)	1. <code>print()</code>	a) Reads input from the user	2. <code>input()</code>	b) Returns the length of a string or list	3. <code>len()</code>	c) Used for commenting in Python	4. <code>#</code> (Hash Symbol)	d) Displays output on the screen	1
Column A (Function/Feature)	Column B (Definition/Use Case)											
1. <code>print()</code>	a) Reads input from the user											
2. <code>input()</code>	b) Returns the length of a string or list											
3. <code>len()</code>	c) Used for commenting in Python											
4. <code>#</code> (Hash Symbol)	d) Displays output on the screen											
iii)	<p>What is the value of x? $10x-8=6x$</p> <p>a) 8 b) 4 c) 2 d) 6</p>	1										
iv)	<p>Match the following:</p> <table border="1" data-bbox="277 1241 1406 1575"> <thead> <tr> <th>Column A</th> <th>Column B</th> </tr> </thead> <tbody> <tr> <td>1) Problem Scoping</td> <td>a) Checking model performance and accuracy</td> </tr> <tr> <td>2) Evaluation</td> <td>b) Understanding and defining the problem</td> </tr> <tr> <td>3) Data Acquisition</td> <td>c) Gathering relevant and authentic data</td> </tr> <tr> <td>4) Data Exploration</td> <td>d) Cleaning and analyzing data</td> </tr> </tbody> </table> <p>a) 1-b, 2-a, 3-c, 4-d b) 1-c, 2-d, 3-a, 4-b c) 1-d, 2-b, 3-a, 4-c d) 1-a, 2-c, 3-b, 4-d</p>	Column A	Column B	1) Problem Scoping	a) Checking model performance and accuracy	2) Evaluation	b) Understanding and defining the problem	3) Data Acquisition	c) Gathering relevant and authentic data	4) Data Exploration	d) Cleaning and analyzing data	1
Column A	Column B											
1) Problem Scoping	a) Checking model performance and accuracy											
2) Evaluation	b) Understanding and defining the problem											
3) Data Acquisition	c) Gathering relevant and authentic data											
4) Data Exploration	d) Cleaning and analyzing data											
v)	<p>Which of the following is a Primary Data Source?</p> <p>a) Kaggle b) Google Dataset Search</p>	1										

	c) Government Reports d) Surveys											
vi)	<p>Statement(A): Data processing helps computers understand raw data. Statement(B): Data interpretation is the step before data processing.</p> <p>a) Both A and B are true. b) Both A and B are false. c) A is true, but B is false d) A is false, but B is true</p>	1										
Q. 5 Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)												
i)	<p>Name the type of Generative AI used for creating new sentences that mimic the style of Shakespeare or generating dialogue for a chatbot.</p> <p>a)Real Data b)GANs c)VAEs d)RNNs</p>	1										
ii)	<p>Which mathematical concept is used to predict outcomes of events, such as the results of a coin toss or the likelihood of rain tomorrow?</p> <p>a) Linear Algebra b) Probability c) Calculus d) Statistics</p>	1										
iii)	<p>What is the correct order of the Data Pyramid from bottom to top?</p> <p>a) Wisdom → Knowledge → Data → Information b) Data → Information → Knowledge → Wisdom c) Information → Data → Wisdom → Knowledge d) Knowledge → Data → Information → Wisdom</p>	1										
iv)	<p>Match the following:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Column A</th> <th style="width: 50%;">Column B</th> </tr> </thead> <tbody> <tr> <td>1)Data Processing</td> <td>a)Protecting personal and sensitive data</td> </tr> <tr> <td>2)Cybersecurity</td> <td>b)Representing data in rows and columns for easy analysis</td> </tr> <tr> <td>3)Data Privacy</td> <td>c)Converting raw data into useful information</td> </tr> <tr> <td>4)Tabular Data Interpretation</td> <td>d)Protecting systems and networks from cyber threats</td> </tr> </tbody> </table> <p>a) 1-c, 2-d, 3-b, 4-a</p>	Column A	Column B	1)Data Processing	a)Protecting personal and sensitive data	2)Cybersecurity	b)Representing data in rows and columns for easy analysis	3)Data Privacy	c)Converting raw data into useful information	4)Tabular Data Interpretation	d)Protecting systems and networks from cyber threats	1
Column A	Column B											
1)Data Processing	a)Protecting personal and sensitive data											
2)Cybersecurity	b)Representing data in rows and columns for easy analysis											
3)Data Privacy	c)Converting raw data into useful information											
4)Tabular Data Interpretation	d)Protecting systems and networks from cyber threats											

	b) 1-c, 2-d, 3-a, 4-b c) 1-a, 2-b, 3-d, 4-c d) 1-c, 2-a, 3-d, 4-b	
v)	Which Python mode allows writing and executing a single line of code at a time? a) Script mode b) Interactive mode c) Debug mode d) Compiled mode	1
vi)	Which mathematical concept is used to determine things like how much area a shape covers or how steep a line is when training AI models? a) Probability b) Statistics c) Calculus d) Linear Algebra	1

SECTION B: SUBJECTIVE TYPE QUESTIONS

Answer any 3 out of the given 5 questions on Employability Skills (2 x 3 = 6 marks) Answer each question in 20 – 30 words.		
Q6	What are three important reasons why communication is essential?	2
Q7	What is the importance of personal hygiene?	2
Q8	Identify figures A and B and then write down about them. <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  (A) </div> <div style="text-align: center;">  (B) </div> </div>	2
Q9	Explain any two ways of Conserving Energy.	2
Q10	Kanika is interested in starting her own start-up but lacks confidence. Could you guide her on the benefits of becoming an entrepreneur?	2
Answer any 4 out of the given 6 questions in 20 – 30 words each (2 x 4 = 8 marks)		
Q11	Define the following terms ; a) Statistics b) Probability	2

Q12	What are Data Security and Privacy? How are they related to AI?	2
Q13	Write a Python program to calculate average marks of 3 subjects taking input from the user.	2
Q14	Explain the two different types of Data Types.	2
Q15	Name all the four types of Generative AI.	2
Q16	As Artificially Intelligent machines become more and more powerful, their ability to accomplish tedious tasks is becoming better. Hence, it is now that AI machines have started replacing humans in factories. While people see it in a negative way and say AI has the power to bring mass unemployment and one day, machines would enslave humans, on the other hand, other people say that machines are meant to ease our lives. If machines over take monotonous and tedious tasks, humans should upgrade their skills to remain their masters always. What according to you is a better approach towards this ethical concern? Justify your answer.	2
Answer any 3 out of the given 5 questions in 50 – 80 words each (4 x 3 = 12 marks)		
Q17	(a) In which mode would you prefer to write a large Python program? Justify your answer. (2 marks) b)List any four commonly used flowchart symbols and their meanings. (2 marks)	4
Q18	a)What is Generative AI? (2 marks) b)Differentiate between Generative AI and Conventional AI (2 marks)	4
Q19	<p>Problem: Pest infestation damages crops</p> <p>The cotton industry in India consists of 6 million local farmers. Cotton crops frequently get infected with the Pink Bollworm. It is difficult to see these insects with the naked eye. Small farmers find it very difficult to get rid of these insects. They do not have advanced tools and techniques to protect their plants from Pink Bollworm.</p>    <p>Create a problem statement template for our pest management case study.</p>	4

	<table border="1"> <tr> <td>Our</td> <td>[stakeholders]</td> <td>Who</td> </tr> <tr> <td>has a problem that</td> <td>[issue, problem, need]</td> <td>What</td> </tr> <tr> <td>when / while</td> <td>[context, situation].</td> <td>Where</td> </tr> <tr> <td>An ideal solution would</td> <td>[benefit of solution for them]</td> <td>Why</td> </tr> </table>	Our	[stakeholders]	Who	has a problem that	[issue, problem, need]	What	when / while	[context, situation].	Where	An ideal solution would	[benefit of solution for them]	Why	
Our	[stakeholders]	Who												
has a problem that	[issue, problem, need]	What												
when / while	[context, situation].	Where												
An ideal solution would	[benefit of solution for them]	Why												
Q20	<p>a) Explain Data Literacy. (2 marks each)</p> <p>b) Explain the two sources of data acquisition: primary and secondary data sources.</p>	4												
Q21	<p>A box contains 6 red balls and 4 blue balls. You are asked to pick one ball randomly without looking. (Consider all events as individual) – Attempt any four parts. Fill in the blanks with: likely, unlikely, certain, impossible, equal probability.</p> <p>a) If you pick from the box without looking, it is _____ that you will pick a red ball.</p> <p>b) If you pick from the box without looking, it is _____ that you will pick a green ball</p> <p>c) If all blue balls are removed and you pick without looking, you will _____ pick a red ball.</p> <p>d) If 2 red balls are removed from the box and you pick without looking, there is an _____ that you will pick a red or a blue ball.</p> <p>e).If you pick from the box without looking, it is _____ that you will pick a blue ball.</p>	4												



BAL BHARTI PUBLIC SCHOOL, DWARKA
SAMPLE PAPER(2024-25)

कक्षा- 9

हिन्दुस्तानी संगीत गायन

समय:2 घंटे

अंक:30

खण्ड: ब

प्र०1. निम्नलिखित प्रश्नों का उत्तर हां या ना में दीजिए:-

(8X1=8)

- 1) संगीत में गायन- वादन और नृत्य तीनों का समावेश है।
- 2) भारत में दो संगीत पद्धतियां प्रचलित हैं।
- 3) प्रथम संगीत पद्धति का नाम हिन्दुस्तानी या उत्तरी संगीत पद्धति और

दूसरी का नाम कर्नाटकी या दक्षिणी संगीत पद्धति है।

- 4) संगीतोपयोगी मधुर ध्वनि को नाद कहते हैं।
- 5) एक सप्तक में कुल १२ स्वर होते हैं।
- 6) एक सप्तक में ७ शुद्ध स्वर माने जाते हैं।
- 7) संगीत में कोमल स्वर ४ होते हैं।
- 8) सा और प अचल स्वर कह लाते हैं।

प्र०2. संक्षिप्त में उत्तर दीजिए:-

(5x2=10)

- a) ताल की परिभाषा लिखिए। दादरा ताल कितने मात्र की होती है?
- b) वादी संवादी किसे कहते हैं?

c) थलट कलसे कहते हैं? और कलतने प्रकलर के होते हैं?

d) लय कलसे कहते हैं और कलतने प्रकलर के होते हैं?

e) आरुह,अवरुह कलसे कहते हैं?

प्र03. दलदरल तलल के बलरे में जननकलरी दीजलए। एक गुण और दो गुण बोल सहलत ललपल में ललखलए । (6)

प्र04. रलग कलफी के बलरे में जननकलरी दीजलए।

(6)



BAL BHARATI PUBLIC SCHOOL, DWARAKA

Annual 23--24

PAINTING (049)

CLASS IX

Time – 2 hrs.

Marks – 30

General Instructions

Section-A Attempt all Questions (Each Question will carry 1 mark)

Section-B Attempt all Questions (Each Question will carry 2 Marks)

Section-C Attempt any two Questions (Each Question will carry 6 Marks)

S.No.	SECTION-A	Marks
Select the right answer from the given options:		
Q1. a	A: In drawing normally 4B Pencil is used. R: Because 4B pencil is made of soft graphite which can render light to dark vanishing of shades. a. A is incorrect and R is incorrect. b. A is incorrect and R is correct. c. A is correct and R is correct. d. A is correct and R is incorrect.	1
b	This Visual Element defines the lightness or darkness of a color. a. Value b. Colour c. Balance d. Proportion	1
c	What designs are used in a rangoli? a. Flowers b. Lamps c. Geometric d. All of the above	1
d	_____ is an artistic technique used in the field of art in which the artist sketches the contour of a subject by drawing lines that result in a drawing that is essentially an outline; the French word contour meaning, "outline." a. Contour Drawing b. Pencil Drawing c. Conte Drawing d. Pen Drawing	1
e	The substance in a paint or dye that gives its colour is a. Binder b. Pigment c. Minerals d. None	1

f	. A: Blending is a technique of two or more colour gentle mixing. R- Blending softens the change from one colour to another. a. A is correct and R is incorrect. b. A is correct and R is correct. c. A is incorrect and R is correct. d. A is incorrect and R is incorrect.	1
g	Which of the following statements are correct about Yakshas? a. Kubera is king of Yakshas b. Yakshas are the custodians of Treasure c. Both 1 and 2 d. Neither 1 nor	1
h	In Hinduism and Buddhism tradition a mandala can guide you through a universe of suffering to one of _____. a. Eternal Life b. Joy and happiness c. Healing d. Transformation	1
SECTION-B (Short answer type questions) Answer for this question is expected in around 100 words		
Q2.	Name any four materials of Painting and mention their merits?	2
Q3.	Why is Texture important in art?	2
Q4.	What is complementary colours ?	2
Q5.	Write down the colours in VIBGYOR?	2
Q6.	What is the difference between the water colours and the poster colours?	2
Attempt any two questions from the given options. (Long answer type questions) Answer for this question is expected in around 200 words		
Q7. a	Explain the famous work of Ramkinkar Baij from your course of study in detail	6
b	Explain all the water colour technique and steps in detail	6
c	Discuss Colour Wheel in detail?	6