

मॉडर्न पब्लिक स्कूल ,सेक्टर-37 फरीदाबाद

ग्रीष्मावकाश गृहकार्य -सत्र (2023-24)

विषय -हिंदी

कक्षा -10

प्र०1 पाठ बाल गोबिन भगत में विभिन्न ऋतुओं के बहुत ही सुंदर शब्द चित्र उकेरे गए हैं। बदलते हुए मौसम को दशति हुए चित्र / फोटो का संग्रह कर एक अलबम तैयार कीजिए।

प्र०2 हमारी मातृभाषा हिंदी के महत्व पर लगभग 300 शब्दों में एक निबंध तैयार कीजिए।

प्रश्न 3 लखनवी अंदाज नामक कहानी लेखक ने किस उद्देश्य से लिखी है, स्पष्ट कीजिए।

प्रश्न.4 महाकवि 'सूरदास' के व्यक्तित्व एवं कृतित्व पर एक प्रोजेक्ट फाइल तैयार कीजिए।

प्रश्न०5 यात्राएँ हमें पढ़ने-लिखने के लिए प्रेरित करती हैं। हमारे ज्ञान को बढ़ाती हैं कैसे? 'साना-साना हाथ जोड़ि' पाठ के आधार पर लिखिए।

प्रश्न०6 माता का 'अंचल' पाठ में पुराने समय में बच्चों के खेलों को बारे में बताया बताया गया है। आजकल बच्चे कैसे खेल खेलना पसंद करते हैं?

प्रश्न-7 नेताजी का चश्मा' पाठ में सुभाषचंद्र बोस की मूर्ति पर चश्मा नहीं था। इसी चश्मे के बारे में यह पाठ लिखा गया है। नगर चौराहे पर आप अपने जिस महान व्यक्ति की प्रतिमा लगाना चाहते हैं उसका सुन्दर-सा चित्र लगाकर वर्णन कीजिए।

प्रश्न०8- पर्यावरण संरक्षण हेतु एक सुन्दर-सा विज्ञापन तैयार कीजिए।

प्रश्न०9 'कारगिल विजय दिवस'विषय पर A-3 साइज शीट पर एक सुंदर- सा चित्र बनाकर कविता अथवा कोई दो/तीन स्लोगन लिखिए।

प्रश्न०10 कला एकीकृत गतिविधि-(Art integrated activity)

'मेरा शहर साफ हो और इसमें मेरा भी हाथ हो' पंक्तियों को माध्यम बनाकर शीर्षक देते हुए अभिनय करने के लिए एक स्क्रिप्ट तैयार कीजिए।

MODERN PUBLIC SCHOOL SEC.37 FBD

CLASS. 10

SUB.MATHEMATICS

SUMMER HOLIDAY HOMEWORK

Q.1 All the three face cards of spades are removed from a well shuffled pack of 52 cards. A card is drawn at random from the remaining pack. Find the probability of getting (a) a black face card. (b) a queen. (c) a black card

Q.2 Show that the points A(2,-2), B(8,4), C(5,7) and D(-1,1) are the vertices of a rectangle ABCD.

Q.3 The line segment joining the points A(3,2) and B(5,1) is divided at the point P in the ratio 1:2 and it lies on the line $3x-18y+k=0$. Find the value of k.

Q.4 The points A(2,9), B(a,5) and C(5,5) are the vertices of a triangle ABC right angled at B. Find the value of a.

Q.5 Find the values of a and b for which the following system of linear equations has infinite number of solutions. $2x-3y=7$; $(a+b)x-(a+b-3)y=4a+b$

Q.6 The area of rectangle gets reduced by 80 sq. units, if its length is reduced by 5 units and the breadth is increased by 2 units. If we increase the length by 10 units and decrease the breadth by 5 units, the area is increased by 50 square units. Find the length and breadth of the rectangle.

Q.7 If m and n are the zeroes of the quadratic polynomial $p(x)=x^2-rx+s$, prove $(\frac{m^2}{n^2})+(\frac{n^2}{m^2})=(\frac{r^2}{s^2})-(\frac{4r^2}{s})+2$

Q.8 If a and b are the zeroes of the quadratic polynomial $2x^2-5x+7$, then find a quadratic polynomial whose zeroes are $(3a+4b)$ and $(4a+3b)$.

Q.9 Prove that $2+5\sqrt{3}$ is an irrational number, given that $\sqrt{3}$ is an irrational number.

Q.10 Diagonals AC and BD of a trapezium ABCD with $AB \parallel DC$ intersect each other at the point O. Using a similarity criterion for two triangles, show that $OA/OC = OB/OD$.

NOTE : (1) Revise chapter 1,2,3,6,7 from ML.Aggarwal in separate note book.

(2) Do h.h.w in fair register.

ACTIVITY:

Q.1 Write all the formulas and conditions used in chapter 1,2,3,6,7, on A3 size sheet as a project work.

Q.2 Art integrated project: Organisation, exhibitions and display of students on periodical and sessional work.

MODERN PUBLIC SCHOOL

SEC-37 FARIDABAD

Summer Holiday Homework (2024-25)

Subject- Science

Class- X

Q1. Write the balanced chemical equations for the following reactions and identify the type of reaction in each case.

(a) Nitrogen gas is treated with hydrogen gas in the presence of a catalyst at 773K to form ammonia gas.

(b) Sodium hydroxide solution is treated with acetic acid to form sodium acetate and water.

(c) Ethanol is warmed with ethanoic acid to form ethyl acetate in the presence of concentrated H_2SO_4 .

Q2. A magnesium ribbon is burnt in oxygen to give a white compound X accompanied by light emission. If the burning ribbon is now placed in an atmosphere of nitrogen, it continues to burn and forms a compound Y.

(a) Write the chemical formulae of X and Y.

(b) Write a balanced chemical equation when X is dissolved in water.

Q3. (i) A doctor has prescribed a corrective lens of power +1.5 D. Find the focal length of the lens. Is the prescribed lens diverging or converging?

(ii) A concave lens of focal length 15 cm forms an image 10 cm from the lens. How far is the object placed from the lens? Draw the ray diagram.

Q4. Explain why a ray of light passing through the centre of curvature of a concave mirror, gets reflected along the same path.

Q5. Describe the structure of the nephron with functioning.

Q6. What are the functions of the liver and the pancreas?

Q7. (a) In the process of respiration, state the function of alveoli.

(b) Rate of breathing in aquatic organisms is much faster than that in terrestrial organisms. Give reasons.

Q8. 29th July is celebrated as “International Tiger Day”. Prepare a poster for the same on an A4 sized sheet. (Roll no. 1 to 10)

Q9. Art integrated Project:

Aesthetic organization of the physical environment by enhancing the surrounding area, i.e., landscaping including plantation of trees and other flowering plants and vegetables, etc.

MODERN PUBLIC SCHOOL SECTOR 37 FARIDABAD

HOLIDAY HOMEWORK (SESSION 2024-25)

SUBJECT : ENGLISH CLASS: X

Que1: GRAMMAR AND CREATIVE WRITING SKILLS

GRAMMAR SECTION

Complete the following as directed:

(i) Fill in the blank by using the correct form of the word in the bracket, for the given portion of a letter:

Dear Sir

In response to your query, the document that _____ (explain) our country's sustainability initiatives has been attached for your consideration.

(ii) Read the given sentence. Identify the error and supply the correction in the sentence:

The uniquely flavoured dish was interestingly enough to captivate my taste buds.

Error

Correction

(iii) Raashi and Ratul had a conversation about volunteer work. Report Raashi's question.

Raashi: What challenges have you faced while volunteering?

Ratul: The main challenge is dealing with different personalities, but it's also a great learning experience.

(iv) Read the dialogue between a librarian and a student.

Librarian: Welcome back! It's good to see you, young man!

Student: Thanks! I was overloaded with assignments, so I have not visited the library this week.

Based on the conversation above, report the dialogue between a librarian and a student by completing the sentence.

The librarian greeted the student warmly, expressing pleasure at his visit. The student thanked her and explained that _____ which had limited his recent visits to the library.

Select the correct option from those given below:

(A) he had been overloaded with assignments

(B) he has been overloaded with assignments

(C) he was overloaded with assignments

(D) he is overloaded with assignments

(v) Fill in the blank by choosing the correct option in the bracket, to complete the sentence:

The revised meeting agenda is attached and _____ (this/those/it) needs to be emailed to all participants before the meeting.

(vi) Identify the error and supply correction for the given sentence from an e-commerce website's return policy.

We offers a 30-day return policy on all unopened products purchased from our websites.

Error	Correction
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(vii) Select the option that identifies the error and supplies the correction for the sentence from a public health campaign.

The campaign's goal is to increase physical activity among the younger.

Error	Correction
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(A) activity	activities
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(B) goal	goals
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(C) younger	youth
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(D) is	are
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(viii) Complete the given narrative by filling in the blank with the correct option:

The internship at the tech startup had me _____ excited about the potential of innovation and entrepreneurial spirit.

(A) feeling	(B) felt
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(C) to feel	(D) feels
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(ix) Report the dialogue between a vendor and his customer, by completing the sentence:

Vendor: You look a little different today!

Customer: Yes, I just got a new haircut.

The vendor noticed that his customer's appearance had changed and asked him about it. The customer admitted this, citing the fact that

(x) Fill in the blank by choosing the correct option to complete the sentence to update the result of the regional science fair:

We have exciting news to share! Our school _____ first place in the

regional science fair.

(A) awarded (B) was awarded

(C) had awarded (D) has been awarded

WRITING SECTION

Que2. (A) You are Soumya/Soham, living at 43–B, Blue Apartments, Prashant Lok. You wish to take up a three–week summer course in baking after finishing your class X board exams. Write a letter in about 120 words, to the Principal of Excellent Cooking, Block–D, Mahesh Enclave, seeking information about the course structure, course duration, fees, class timings, on job trainings, etc.

(B) You are Punit/Punita of Eric India Pvt. Ltd., Saman Chowk. You have received the reply to your letter of inquiry from Lifeway India Company. You feel confident about company’s terms and conditions. Write a letter placing an order for the furniture for your office, that you had mentioned in the previous communication. Include a reference to your previous letter. Remember to mention quantity, quality, mode of payment, delivery date and discount.

LITERATURE SECTION

Que3: Answer the following questions in about 40 words

Que1. Write a diary entry expressing your feelings about South African people’s struggle for freedom and how it is similar to India’s struggle for freedom.

Que2. Why was the young seagull alone on his ledge? How did he feel there all alone? What did his parents do at this time?

Que3. Do the two stories namely “His First Flight” and “The Black Aeroplane” suggest that God helps those who help themselves.

Que4. What is the natural behaviour of the tiger? How is it different from his behaviour in the zoo?

Que5. Love is a powerful force that can transform a criminal into a responsible citizen. Justify the statement from your study of “The Thief’s Story”.

Que6. “Never judge a book by its cover”. Elaborate on the given quote in the context of “The Midnight Visitor”.

NOTE: ACTIVITY (For All)

Play Writing

Based on the reading of the lesson “His First Flight”

An unscripted play to be written in the form of a script to be acted.

Materials to be used :

A4 size sheets (ruled sheets)

Relevant colourful picture.

Activity 2: (for Roll No.21 to 30)

Write a paragraph on Women’s Equality Day on A3 size sheet.

- ❖ Decorate it with relevant pictures, any motivational quotes.
- ❖ The best will be displayed on the board.

Modern Public School Sector 37 Faridabad

Holiday Homework for Summer Break

Session 2024-25

Subject- Social Science

Class-10th

Instructions: Answer all the given questions in neat and clean handwriting.

Holiday homework questions will be done in Economics notebook.

Holiday homework should be submitted by 3rd July 2024.

Q1- Compare the images of Bharat Mata in the second chapter of history with the image of Germania. Students can paste the picture of both.

Q2- Write four most important causes of environmental destruction/degradation.

Q3- “The future generation may not have sufficient resources as compared to the present generation”. Justify the statement by giving suitable examples.

Q4- India has a large cultural regional and religious diversity but there is unity among people. What factors are responsible for this? Elaborate.

Q5- What does HDI stand for? Explain the main criteria of measuring HDI according to UNDP report of 1990.

Q6- How the First World War helped in the growth of the National Movement in India?

Q7- In the political **MAP of India**, locate and label the following important centres of Indian National Movement.

A- Champaran B- Kheda C- Dandi D- State related to the Chipko Movement

Q8- International Tiger Day is crucial for highlighting the endangered status of tigers and the various threats they face including habitat loss, poaching and illegal trade. Display the given theme on A3 size sheet. You can use the pictures too.

Q9- **Show your creativity** – Make a model:

- Roll no -1 to 10, Project Tiger,
- Roll no - 11 to 20, Sustainable Development,
- Roll no -21 to 30, Statue of Liberty (by using waste material),
- Roll no -31 onwards- Gandhiji with Charkha.

Q10- **Art integrated activity**- Explore Manipur, its culture, religions, and food. Make a documentary on Manipur. (Use file pages, pictures related to the topic and other decorative material).

MODERN PUBLIC SCHOOL

HOLIDAYS HOMEWORK

CLASS-X

SUB:- IT

Q. Prepare a practical file on the given topics:

1. Write the steps:

- a) To create a new Style from Selection.
- b) To insert an image from the gallery.
- c) To create a Template from a document.
- d) To create Table of Contents in a Writer document.