

SUMMER HOLIDAYS HOMEWORK 2024

CLASS 10

ENGLISH

Q1. Illustrate the poem 'The Tale of Custard the Dragon' in form of a comic strip.

The illustration should bring out the theme and essence of the poem with focus on :

1. Reaction of Belinda and all her pets
2. The reasons given by the characters for running away.
3. The comic strip should bring out the poetic device 'onomatopoeia' by the sound words of various actions and reactions.

Q2. Write TWO 'Letters to Editor' on topical issues which you feel affect the community at large.

Q3. Research and make a PPT (8-10 slides) based on the lesson 'Nelson Mandela: Long Walk to Freedom'. Ensure that it brings out the main themes highlighted in the extract (sacrifice, overcoming fear, triumph against all odds)

Q4. The students must revise the syllabus given below for the upcoming UT-1.

Syllabus for UT-1

1. Nelson Mandela: Long Walk to Freedom. (First Flight)
2. Triumph of Surgery (Footprints Without Feet)
3. Tiger in the Zoo (First Flight)

विषय-हिंदी

१) मुहावरे

क : शरीर के विभिन्न अंगों जैसे आँख, नाक, हाथ आदि से संबंधित 20 मुहावरे छाँटकर उनके अर्थ सहित वाक्य बनाइए।

ख : किन्हीं पाँच मुहावरों को चित्रित कीजिए।

नोट: प्रत्येक मुहावरे का चित्रण अलग-अलग पृष्ठ पर कीजिये और उस मुहावरे का नाम भी लिखिए।

२) पुस्तक समीक्षा

निम्नलिखित पुस्तकों की सूची में से किसी एक पुस्तक का चुनाव कीजिए तथा दिए गए बिंदुओं पर पुस्तक समीक्षा कीजिए।

पुस्तक का नाम	लेखक
ग़बन	मुंशी प्रेमचंद
गोदान	मुंशी प्रेमचंद
पिछलेदिनो	शरद जोशी
मृगतृष्णा	सुधा मूर्ति
क्या भूलूँ क्या याद करूँ ?	हरिवंशराय बच्चन
ख्वाहिशों का सफ़र	देवाशीष उपाध्याय

पुस्तक की समीक्षा निम्न बिंदुओं को ध्यान में रख कर कीजिए-

१ : पुस्तक के आधार पर एक आकर्षक मुखपृष्ठ बनाइए

२ : लेखक का संक्षिप्त जीवन परिचय दीजिए

३: संक्षेप में कहानी का सार लिखिए

४: आपके पसंदीदा पात्र का संक्षेप में चरित्र-चित्रण कीजिए

५: वर्तमान समय में कहानी की उपयुक्तता पर अपने विचार लिखिए

नोट-सुविधा-अनुसार इन पुस्तकों के अतिरिक्त किसी अन्य पुस्तक का भी आप पुस्तक समीक्षा के लिए चयन कर सकते हैं।

३) निम्नलिखित विषयों पर 120 शब्दों में लघु कथा लिखिये।

क) अब भी है दुसरो के दुःख से दुःखी होने वाले लोग।

ख) समय किसी की प्रतीक्षा नहीं करता।

MATHS

Complete all questions from all exercises of the following chapters from Maths NCERT Exemplar Problems Book.
(Attempt all questions with proper Steps and not just the final answers)

1. Polynomials
2. Linear Equations in Two Variables
3. Real Numbers
4. Similar Triangles
5. Introduction to Trigonometry.

The work should be done in the Assignment Sheets (Ruled A4 Size) and should be submitted in a folder latest by 05.07.24.

Also prepare well for the upcoming Unit Test1 Examination.

The syllabus for the Unit Test 1 Examination :

1. Real Numbers
2. Linear Equations in Two Variables
3. Similar Triangles

Artificial Intelligence

1. Make a video/movie for Effective Communication using AI tools

Topics:

- Principles of Effective Communication
- 7C's of Effective Communication
- Barriers in Communication and how to overcome it.

Terms and Conditions:

- Students should use their own voice for voice over. Voice over can be done in English or Hindi.
- Maximum duration of video 5 min
- File saving format Student name _class & section
- Upload your project/video file to Google Drive, One Drive or any other cloud storage
- Share the link in Google form that will be shared later.

2. Create a Power Point Presentation (PPT) for Stress Management Techniques using AI TOOL (TOME.APP)

- Shoot a small video of yourself doing yoga exercises and insert it in PPT.

Terms and Conditions

- File saving format Student name _class & section
- Upload your project/PPT file to Google Drive, OneDrive or any other cloud storage
- Share the link in Google form that will be shared later.

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FMM

Portfolio Building Exercise: Students to research and build their own investment portfolio with a limited budget of ₹ 1,00,000. You can choose stocks, bonds, Fixed Deposit, or mutual funds based on your finding and risk tolerance and investment goals.

Students to include visual aids such as charts, graphs, tables, and diagrams to illustrate key points and enhance understanding.

Presentation: Each student prepares a short presentation (5-10 minutes) summarizing their research findings.

SCIENCE

1. **Project Title: Planet Vs Plastics - Investigating Impact:** Watch the following documentaries on Plastic and explore the multifaceted issue of plastic pollution, analysing its impacts on water bodies, human health, and wildlife, while evaluating government policies. Collaborate with your team to do internet-based research and critically analyse the situation of USA, UK & Singapore around the following topics

Assignment Overview

- (a) Research water body degradation caused by plastic contamination
- (b) Investigate domestic plastic recycling and disposal methods
- (c) Trace the historical development of plastic packaging
- (d) Examine the impacts of plastic pollution on human health and wildlife
- (e) Analyse government policies and the Global Plastic Treaty

Each group Shall take up an area and after research, shall present their reflections in form of PowerPoint presentation (PPT). Documentaries to watch:

<https://youtu.be/iO3SA4YyEYU?si=Yc-R3PQ4RvqAURdl>

<https://youtu.be/9GMbRG9CZJw?si=Q2WrHiRUwIDMzzKa>

<https://youtu.be/IA9O9YUbQew?si=C3Kvwisd4-f8kGHR>

2. Create models illustrating human respiratory system, their functions and adaptations.
3. Prepare a project file on the naturally occurring phenomena related to light such as rainbow formation and mirage. It should include the following: -
 - (a) Labelled pictures of naturally occurring phenomena.
 - (b) Details of place and condition in which it occurs.
 - (c) Reason for occurrence of such phenomena.
 - (d) Other researched content by the student.
4. Revise chapters Chemical Reactions and Light and answer the following questions:-

Light

- (a) Explain the formation of an image by a convex lens using ray diagrams.
- (b) Draw a ray diagram to show the formation of an image by a concave mirror when the object is placed beyond the focal point.
- (c) Using a ray diagram, illustrate how an image is formed by a plane mirror.

Chemical Reactions

- (d) Write a chemical equation for the reaction between hydrochloric acid and sodium hydroxide.
- (e) Provide a chemical reaction for the combustion of methane in the presence of oxygen.
- (f) Write a balanced chemical equation for the reaction between zinc metal and hydrochloric acid.
- (g) Give the chemical equation for the reaction between sulfuric acid and potassium hydroxide.
- (h) Provide a chemical reaction for the decomposition of hydrogen peroxide into water and oxygen.

INTER DISCIPLINARY ART INTEGRATION ACTIVITY WITH PARTNER STATE

Under Ek Bharat Shrestha Bharat Programme :

The whole Class will be divided into 5 homogenous groups of about 8 students each.

Each group must create a Calendar Aesthetically using spiral bound 12 Sheets of A3 size with matter written on/ printed on one side (Or, 6 Sheets of A3 size with matter written on/ printed on both sides) . The Calendar must contain the matter comparing Andaman & Nicobar Islands and Delhi on the basis of the following categories under the subjects mentioned:

12 pages in all + 1 (Group Details)

Two pages per subject as follows:

English- Food and Festival – JAB & FEB

Maths – Tourism & Economy – MAY & JUN

S. St. – Development – JUL & AUG

Hindi - Culture and Costumes – MAR & APR

Science - Flora and Fauna – SEPT & OCT

Art and craft & Music - Various forms of Native art and music.- - NOV & DEC

- This is a Competency based Group Project.
- Research extensively about culture, cuisine, economy, tourism, festivals, flora and fauna, architecture, monuments etc. of Andaman and Nicobar Islands and Delhi both to ensure accuracy.
- All visuals should be creative (Collage, sketches, beautification) – **COMPLETE COPY PASTE OF A SINGLE IMAGE IS NOT ALLOWED**
- The last page should present the group members names who have contributed towards making the calendar.
- Marks will be allotted for visual appeal, collaboration, relevance and timely submission by each subject teacher.
- Compiling of the final work will be done on working day in the first week of July after the summer holidays.
- Each group will get their calendars spiral bound and submit by the 10th of July.

Looking forward to some beautiful calendars from all the groups.

ENGLISH (2 Pages)

Compare and Contrast the Festivals and food of Andaman and Nicobar Islands with that of the state of Delhi.

Maths - Economy and Tourism (2 Pages)

Research and collect the data from reliable Govt. websites/ Journals etc. relating to the Tourism and Economy of the Delhi VS. Andaman & Nicobar Islands and compare them.

Also compare the economic factors of the two.

Represent the data in various types of Graphical and Pictorial Representations creatively.

SOCIAL SCIENCE (2 Pages)

Compare the Development of two states/UT- Delhi and Andaman and Nicobar Islands since independence. Make a comparison table and also support it with visuals.

HINDI कला समेकित परियोजना कार्य (art integrated project) (2 Pages)

विषय- दिल्ली और अंडमान निकोबार द्वीपसमूह की संस्कृति और पहनावा संस्कृति के मुख्य बिंदु - खान-पान, भाषा, त्योहार, समाज, जीवन-शैली, कला, स्मारक उपरोक्त में से किसी एक सांस्कृतिक विरासत का चयन समूह करेगा

* ये कार्य अन्य विषयों के साथ भी समेकित है। हिन्दी विषय में कार्य के लिए कैलेंडर में जुलाई और अगस्त माह प्रस्तुति करण के लिए निर्धारित किए गए हैं-

जुलाई-दिल्ली और अंडमान निकोबार द्वीपसमूह की सांस्कृतिक विरासत का चित्र बनाइए या चिपकाइए तथा उसके बारे में तीन चार पंक्तियाँ लिखिए।

अगस्त- दिल्ली और अंडमान निकोबार द्वीपसमूह में पहने जाने वाले परिधानों का चित्र बनाइए या चित्र चिपकाइए तथा उनके बारे में तीन-चार पंक्तियों में जानकारी लिखिये।

नोट-दिल्ली और अंडमान निकोबार द्वीपसमूह दोनों के ही उदाहरण देना अनिवार्य है।

ART & CRAFT AND (2 Pages)

Draw any landscape of Delhi and Andaman and Nicobar each (Monuments, Landforms etc.) using any medium – Water colour, Pencil colour, Markers etc. in full colour.