DELHI PUBLIC SCHOOL, CHAS BOKARO
(2026-27)

Diwali & Chhath Puja



Class – X
Diwali &
Chhath Puja Assignment

English

1. **Answer the following questions in about 30-40 words each.** **5x2=10**

I. Why does the traveller describe the heart of the statue as 'cold? (Ozymandias)

II. How does humour soften the serious conflict between logic and imagination in the story, 'A Shady Plot'?

III. How does the villagers' participation reflect collective moral compromise driven by power and money? (Mrs. Packeltide's Tiger).

IV. How does the contrast between the boys' age and their responsibilities deepen the theme of sacrifice in the story? (Two Gentlemen of Verona)

V. How do the Antarctic and oceanic settings emphasise the isolation and helplessness of the crew in the poem, 'The Rime of Ancient Mariner'?

VI. How does the Frog use his social status in the bog to establish control over the Nightingale? (The Frog and the Nightingale)

2. Answer the following questions in about 150 - 180 words.

I Both Two Gentlemen of Verona and The Letter highlight love and devotion. Compare how the boys' silent sacrifice in 'Two Gentlemen of Verona' and Coachman Ali's patience in 'The Letter' reflect true love and loyalty. Evaluate what the stories suggest about the nature of selfless devotion in human relationships.s

II Both 'The Dear Departed' and 'Mrs. Packletide's Tiger' explore human behaviour driven by selfishness and personal gain. Compare how the characters in the two stories display greed, jealousy and self-interest. Evaluate the overall message the authors convey about human values and moral responsibility.

3. Write a poem or an essay on any one of the following in around 700 words:

a. Women Leaqdership: Transforming Governance and Innovation

b. Financial Independence : The key to women Empowerment.

Hindi

1. भारतीय संस्कृति का प्रकाश पर्व दीपावली पर लगभग 150–200 शब्दों में निबंध लिखिए।

2. सूर्य उपासना का महान पर्व छठव्रत पर निम्नलिखित बिंदुओं के आधार पर निबंध लिखें।
   - छठ पूजा का महत्व:
   - छठ पूजा मनाने की विधि:
   - नहाय-खाय:
   - खरना:
   - संध्या अर्घ्य:
   - उषा अर्घ्य:

• छठ पूजा का संदेश:

नोट: विद्यार्थी दोनों त्योहारों पर सुंदर चित्र बनाकर या चिपकाकर असाइनमेंट को आकर्षक बना सकते हैं।

Sanskrit

1-अधोलिखितं गद्यांशं पठित्वा प्रश्नानाम् उत्तराणि संस्कृतभाषायां लिखत।

दीपावली भारतस्य प्रमुखेषु उत्सवेषु अन्यतमः अस्ति। अयं उत्सवः कार्तिकमासस्य अमावस्यायां तिथौ आचर्यते। अस्मिन् दिने जनाः स्वगृहाणि स्वच्छानि कुर्वन्ति तथा च दीपैः, पुष्पैः, रङ्गवल्लीभिः च सज्जयन्ति। रात्रौ सर्वत्र दीपानां प्रकाशः दृश्यते। जनाः लक्ष्मीदेव्याः पूजनं कुर्वन्ति तथा च मिष्टान्नानि वितरन्ति। बालकाः अतीव प्रसन्नाः भवन्ति। दीपावली अस्मान् अन्धकारात् प्रकाशं प्रति, असत्यात् सत्यं प्रति च गन्तुं प्रेरयति। अस्माभिः पर्यावरणस्य रक्षणार्थं पटाकानां प्रयोगः न्यूनः करणीयः। दीपावली प्रेम्णः, सौहार्दस्य, आनन्दस्य च पर्व अस्ति।

क. एकपदेन उत्तरत।

1.दीपावली कस्य मासस्य अमावस्यायां आचर्यते?

2. जनाः कस्याः पूजनं कुर्वन्ति?

ख. पूर्णवाक्येन उत्तरत।

1. जनाः दीपावल्यां स्वगृहाणि कथं सज्जयन्ति?

2. दीपावली अस्मान् किं प्रेरयति?

ग. निर्देशानुसारम् उत्तरत।

1.'अन्धकारः' इति पदस्य विलोमपदं लिखत।

2. 'जनाः मिष्टान्नानि वितरन्ति' इति वाक्ये क्रियापदं किम्?

2. दीपावलीपर्वणः उत्सवे भवतः परिवारे के के कार्याणि कुर्वन्ति? संस्कृते पञ्च वाक्यानि लिखत।

3. दीपावलीपर्वणः महत्त्वं वर्णयन् स्वमित्राय एकं पत्रं लिखत।

Maths

Activity 1: Consistency/Inconsistency of pair of linear equations by graphical method.

Activity 2: Zeros and nature of quadratic polynomial graph (parabola).

Activity 3: Geometric solution of quadratic equation by completing the square.

Activity 4: Sum of first n natural numbers using grid strips ($S_n = n(n+1)/2$.

Activity 5: Derivation of sum formula for an AP.

Activity 6: Verification of Basic Proportionality Theorem (BPT).

Activity 7: Verification of tangent lengths drawn from an external point to a circle.

Activity 8: Verification of Distance Formula using coordinate geometry.

Activity 9: Making and using a Clinometer to find the angle of elevation and height of an object.

Activity 10: Curved surface area of a cone / relation between volume of cone and cylinder.

Physics

Write the given activities in Physics practical file-

Activity 11.1 – Verification of Ohm's law using a circuit setup.

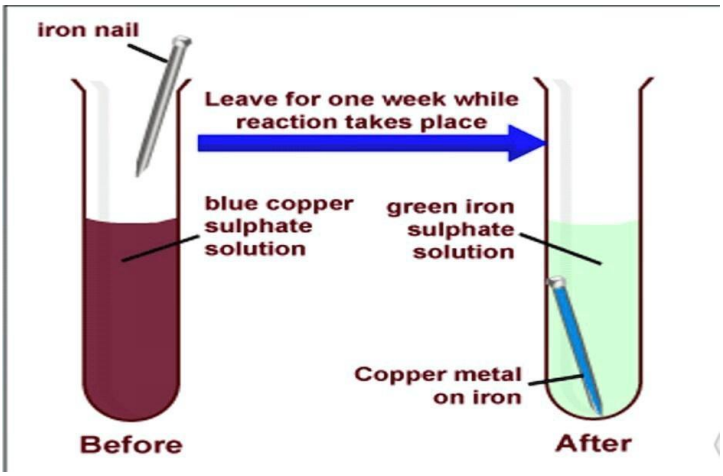
Activity 11.2- To study flow of current through different circuit components.

Activity 11.4- Electric current in a series combination of resistors.

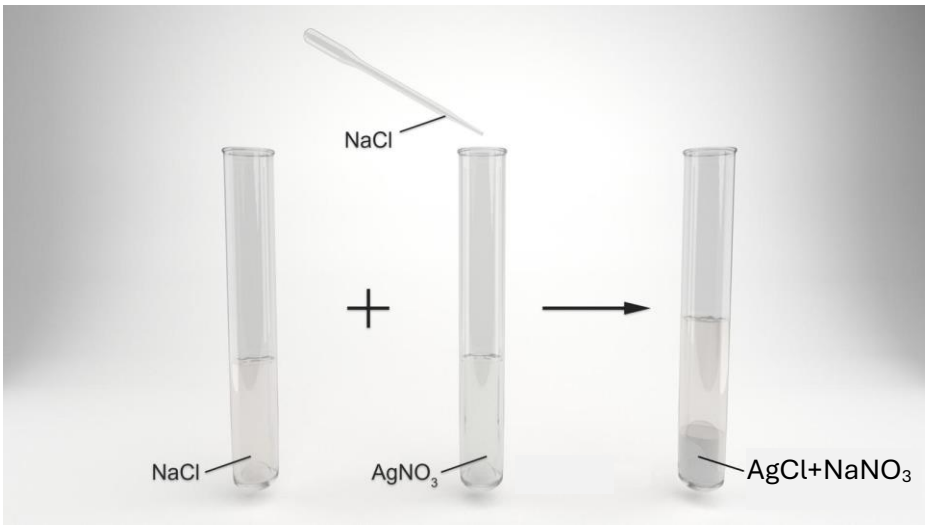
Chemistry

Based on pictures write and explain the projects in the given manner *Aim of the Project, * Theory involved. *Procedures, *Conclusion and Result in a separate file

For Project A & B given below.



Project – A



Project – B

Biology

Biology practical

1. To Study binary fission in Amoeba using prepared slides.
2. To Study budding in yeast and Hydra using prepared slides.
3. To Identify different parts of the embryo of a dicot seed (pea, gram or red kidney bean).
4. To study the structure of bisexual flower and identify its reproductive parts.

Note: - Write down in biology practical

History + Civics

1. On an outline map of India, locate and label the important centres of the Indian National Movement: Champaran, Kheda, Ahmedabad, Amritsar, Chauri Chaura and Dandi.
2. How did the development of print culture, the growth of nationalism, and the expansion of global trade influence Indian society, economy, and political movements during the 19th and 20th centuries?
3. How did industrialisation, the growth of nationalism in Europe, and the rise of print culture bring major social, economic and political changes in the modern world?

Geography

Use five A4 size Political Maps of India and solve the following exam-oriented tasks:

- **Module 1: Water Resources (Identification & Location)**
  On **Map 1**, locate and label the following major multi-purpose river valley projects with their respective rivers:
  1. *Salal Project* (Jammu & Kashmir)
  2. *Bhakra Nangal* (Punjab/Himachal Pradesh)
  3. *Tehri Dam* (Uttarakhand)
  4. *Rana Pratap Sagar* (Rajasthan)
  5. *Sardar Sarovar* (Gujarat)
  6. *Hirakud Dam* (Odisha)
  7. *Nagarjuna Sagar* (Telangana/Andhra Pradesh)
  8. *Tungabhadra Dam* (Karnataka)

- **Module 2: Agricultural Geography**
  On **Map 2**, perform the following tasks using distinct colour codes:
  1. **Shading Task:** Shade the major and minor regions of **Rice** and **Wheat** production using light green and yellow colours.
  2. **Location Task:** Mark and label the single **largest producing state** for each of the following cash crops:
     - Tea (Assam)
     - Coffee (Karnataka)
     - Sugarcane (Uttar Pradesh)
     - Cotton (Gujarat/Maharashtra)
     - Jute (West Bengal)
     - Rubber (Kerala)

- **Module 3: Mineral & Energy Resources Explorer**
  On **Map 3**, accurately locate and label the following energy hubs:
  1. **Coal Mines:** Raniganj, Bokaro, Talcher, Neyveli
  2. **Oil Fields:** Digboi, Naharkatia, Mumbai High, Bassien, Kalol, Ankaleshwar
  3. **Iron Ore Mines:** Mayurbhanj, Durg, Bailadila, Bellary, Kudremukh
  4. **Nuclear Power Plants:** Narora, Rawatbhata, Kakrapar, Tarapur, Kalpakkam

- **Module 4: Industrial & Lifeline of National economy**
  On **Map 4**, accurately locate and label the following key economic nodes:
  1. **Software Technology Parks:** Noida, Gandhinagar, Mumbai, Pune, Hyderabad, Bengaluru, Chennai, Thiruvananthapuram
  2. **Iron and Steel Plants:** Jamshedpur, Bhilai, Durgapur, Bokaro, Rourkela, Salem
  3. **Major Sea Ports:** Kandla, Mumbai, Jawaharlal Nehru, Marmagao, New Mangalore, Cochin, Tuticorin, Chennai, Visakhapatnam, Paradip, Haldia
  4. **International Airports:** Amritsar (Raja Sansi / Sri Guru Ram Dass Jee), Delhi (Indira Gandhi), Mumbai (Chhatrapati Shivaji), Chennai (Meenambakkam), Kolkata (Netaji Subhash Chandra Bose), Hyderabad (Rajiv Gandhi)

- **Module 5: Identification of Major Soil Types**
  On Map 5, accurately locate and label the following soil found in India:
  1. Alluvial soil
  2. Black soil
  3. Red and yellow soil
  4. Laterite soil
  5. Arid soil
  6. Forest and mountain soil

Note-

1. All the maps must be kept in a channel file with proper cover page.
2. Provide a suitable heading for every map.

Economics

All students of Class X are hereby informed that they have to prepare and submit their Economics Annual Project as per their roll numbers. The topics are allotted as follows:

- **Odd Roll Numbers:** Sustainable Development
- **Even Roll Numbers:** Consumer Rights

General Instructions:

1. The project should be neat, well-organised, and properly presented.
2. It should include a cover page, index, acknowledgement, introduction, main content, conclusion, and bibliography.
3. Students may use relevant pictures, charts, and examples to make their projects informative and attractive.
4. The project must be completed individually and submitted within the stipulated deadline.

All students are instructed to complete their projects sincerely and submit them on time.

AI

General Instructions:

a. Complete this project A4 sheet ruled page. Attach all the pages in a stick file.

b. Write question, answer and output of the program.

1. WAPP to accept age of the user and check the eligibility for voting.

2. WAPP to accept any number from the user and display its table.

3. WAPP to check entered number is odd or even.

4. WAPP to show the following pattern:

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*
* *
* * *
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5. WAPP to accept Students details like name, class/sec, marks of 3 subjects. Calculate total marks and its percentage. Display output as follows:

********** Report Card**********

Students Name	:	Nitin Kumar
Class/Sec	:	10/A
Roll No.	:	27
House	:	Chenab
Total No. Of Working Days	:	103
English	:	88
Hindi	:	99
Science	:	100
Social Science	:	91
Mathematics	:	99
Total Marks Obtained	:	477
Percentage	:	95.4

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