

JSS PUBLIC SCHOOL, NOIDA
HOLIDAY HOMEWORK
CLASS- X

ENGLISH

1. Read the poem 'A Tiger In The Zoo' and write down Central Idea of the Poem.

2. Complete the story using the given outline in 400 to 500 words.

Mr. Soham was a very wealthy businessman. One day he was alone sitting at his seat in golf club.....

3. You are Harsh/ Harshita, a resident of Noida. You are deeply troubled by the sale of alcohol and drugs to underage people. Write a letter to the Editor of "The Hindustan Times" drawing attention to this problem.

4. Prepare a speech for 5 minutes on any one of the following topics make an audio recording to sent it through mail. Mail ID is mentioned below.

1. Books are always better than the movie.
2. There is no place for monarchs any more.
3. You tube needs to monitor comments.
4. Graffiti must be recognised as art.
5. Children don't play enough.
6. Ban smoking in all public places.

Mail. ID- kpant253@gmail.com to send your speech(audio) recording.

NOTE- All the homework should be done in a homework copy(make a test copy for holiday homework).

HINDI

1. सीप पर पत्र लेखन
2. पथ- 2 के आधार पर भगत के चरित्र की विशेषताए बताइ

Note- do your work on A4 size sheet.

MATHS

Do the activities given in Vidya Lab manual in practical file based on chapter 1,2 and 3 in the same way as given in the lab manual.

Solve 10 questions from reference books based on chapters 'Real Numbers 'and 'Polynomials' on A4 sheets.(5 from each chapter)

Revise all the chapters done till now.

SCIENCE

Chemistry

: Balance 10 chemical equation from NCERT

: write five examples of oxidation reduction reaction and double displacement reaction on a A 4 sheet.

: Due following two activities in practical notebook from lab manual :1. Determination of pH for different types of solutions .2. burning of magnesium ribbon.

: Learn and revise all the questions of chapter 1 chemical equations.

Physics

Current electricity

- Q1. How many 176 ohm resistors (in parallel) are required to carry 5 A on a 220 V line?
- Q2. How is a voltmeter connected in the circuit to measure the potential difference between two points.
- Q3. When a 12 V battery is connected across an unknown resistor, there is a current of 2.5 mA in the circuit. Find the value of the resistance of the resistor.
- Q4. What is the difference between conductors and resistors? Give one example each.
- Q5. Why does the cord of an electric heater not glow while the heating element does?
- Q6. A copper wire has diameter 0.5 mm and resistivity of 1.6×10^{-8} ohm metre, what will be the length of this wire to make its resistance 10 ohm ? how much does the resistance change if the diameter is doubled?
- Q7. State Ohm's law. Express it mathematically.
- Q8. Draw a schematic diagram of a circuit consisting of a battery of three cells of 2 V each, a 5Ω resistor, an 8Ω resistor and 12Ω resistor and a plug, all connected in series.
- Q9. An electric heater of resistance 8Ω draws 15 A from the service mains for 4 hours. Calculate the rate at which heat is produced in the heater.
- Q10. Derive the formula for series parallel combination of resistances.

Biology

Write up a report of the following activity-

Transportation in plants.

Paste appropriate images and bring it in folder (A4).

SOCIAL SCIENCE

Make a project on Consumer Rights

- Who is a Consumer ,
- Consumer Exploitation
- Terms related to Buying and selling
- Rights of consumer
- Consumer Protection Act
- Safety precautions , Logo for different products
- Where to get justice

Activity 2 ::: Map Activity

A. **HISTORY** (Outline Political Map of India) Chapter - 3 **Nationalism in India** – (1918 – 1930)

1. Indian National Congress Sessions: a. Calcutta (Sep. 1920) b. Nagpur (Dec. 1920) c. Madras (1927)

2. Important Centres of Indian National Movement a. Champaran (Bihar) - Movement of Indigo Planters b. Kheda (Gujrat) - Peasant Satyagrah

c. Ahmedabad (Gujarat) - Cotton Mill Workers Satyagraha

d. Amritsar (Punjab) - Jallianwala Bagh Incident

e. Chauri Chaura (U.P.) - Calling off the Non-Cooperation Movement

f. Dandi (Gujarat) - Civil Disobedience Movement

B. **GEOGRAPHY** (Outline Political Map of India) Chapter 1: Resources and Development

(Identification only) a. **Major soil Types Chapter**

3: **Water Resources** (Locating and Labelling) Dams: a. Salal b. Bhakra Nangal c. Tehri d. Rana Pratap Sagar e. Sardar Sarovar f. Hirakud g. Nagarjuna Sagar h. Tungabhadra

Chapter 4: **Agriculture** (Identification only) a. Major areas of Rice and Wheat b. Largest / Major producer states of Sugarcane, Tea, Coffee, Rubber, Cotton and Jute

Chapter 5: **Minerals and Energy Resources Minerals** (Identification only)

a. Iron Ore mines • Mayurbhanj • Durg • Bailadila • Bellary • Kudremukh

b. Coal Mines • Raniganj • Bokaro • Talcher • Neyveli

c. Oil Fields • Digboi • Naharkatia • Mumbai High • Bassien • Kalol • Ankaleshwar Power Plants

a. Thermal • Namrup • Singrauli • Ramagundam b. Nuclear • Narora • Kakrapara • Tarapur • Kalpakkam

Chapter 6: **Manufacturing Industries** Cotton Textile Industries: a. Mumbai b. Indore c. Surat d. Kanpur e. Coimbatore

Iron and Steel Plants: a. Durgapur b. Bokaro c. Jamshedpur d. Bhilai e. Vijaynagar f. Salem

Software Technology Parks: a. Noida b. Gandhinagar c. Mumbai d. Pune e. Hyderabad f.

Bengaluru g. Chennai h. Thiruvananthapuram

Chapter 7: **Lifelines of National Economy** Major Ports a. Kandla b. Mumbai c. Marmagao d.

New Mangalore e. Kochi f. Tuticorin g. Chennai h. Vishakhapatnam i. Paradip j. Haldia

International Airports: a. Amritsar (Raja Sansi) b. Delhi (Indira Gandhi International) c. Mumbai (Chhatrapati Shivaji) d. Chennai (Meenam Bakkam) e. Kolkata (Netaji Subhash Chandra Bose) f. Hyderabad (Rajiv Gandhi)

ARTS

- (i) Make a name plate using paper quilling.
- (ii) Make madhubani painting on A-4 size sheet.
- (iii) Make an envelope using block printing.
- (iv) Make still life and do collage using (newspaper/coloured magazine paper).
- (v) Make a landscape using pencil shading.