

**Kendriya Vidyalaya Old Cantt. Allahabad**

**Winter Break Home Work  
Class XI**

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**ENGLISH**

Prepare and solve two sample papers of Class XI in Home work note book

**MATHS**

NCERT BOOK1. Binomial theorem.

f. Question no. 2, 13, 14 Page 166-167

Example 6, (Page 168), Ex. 7 (P-169)

Ex. 9 (P-170)

Exercise 8.2 Qno. 7, 10, 11, 12 (P-171)

2. Sequence & Series

Exercise 9.2. Q.No. 2, 5, 9, 11, 15 (P-185)

Example 14, 15 (P-189), Examp. 18 (P-191)

Exercise 9.3, Q.No. 11, 14, 22, 28, 29 (P-193)

Example 19 (P-195), Exercise 9.4, 4, 7 (P-196)

Example 24 (P-198), 7, 10, 12, 15, 16, 18

19, 23, (P-199, 200)

3. Straight line:

Example 2, (P-209), Exercise 10.1, (P-211)

Q.No. 12, 13 (P-212), 10, 11, 18,

19, 20 (P-220), Examp. 15 (P-223)

Q.No. 7, 8, 16, 18 (P-228)

Q.No. 13, 14, 15, 16, 20, 21, 24 (P-234)

4. Conic sections

Exercise 11.1, Q.No. 8, 10, 11, 12 (P-245)

Exercise 11.2, Q.No. 11, 12 (P-247)

Exercise 11.3 Q.No. 5, 8, 19, 20 (P-265)

Exercise 11.4, Q.No. 2, 5, 13, 15 (P-262)

Q.No. 3, 4, 5 (P-264)

5. Three dimensional Geometry :

Exercise 12.1, Q.No. 2, (P-271)

2, 4, 5 (P-273) Example 8 (P-275)

Examp. 10 (P-276) Q.No. 5 (P-277)

Q.No. 5 (P-279)

6. Limits and derivatives: Example 2 (P-294)  
Example 3 (P-297)

Exercise 13.1, Q no. 8, 11, 15, 18, 25, 28  
30, 31

Example 17 (P-311), Q no. 9, 11 (P-313)

Q no. 5, 9, 12, 16, 17, 26, 28  
29, 30 (P-318)

## Chemistry

### 1-REDOX REACTIONS:

#### NCERT TEXT BOOK QUESTIONS NUMBER

8.1,8.2,8.5,8.6,8.8,8.18,8.19,8.20,8.23,8.26,8.27,8.28,  
8.29, 8.30

A-Define disproportion reaction with examples.

B- What is oxidizing and reducing agent?

C-What is the function of salt bridge.

D-What is redox couple

E-Write the difference between oxidation number and valency.

### 2-HYDROGEN:

#### NCERT TEXT BOOK QUESTIONS NUMBER

9.1,9.2,9.3,9.4,9.5,9.6,9.8,9.10,9.11,9.14,9.16,9.18,9.20,  
9.22, 9.23, 9.24, 9.25, 9.26, 9.31, 9.35, 9.36

A-Name the constituents of water gas.

B-Name the Cations that the cause hardness of water.

C-What is the chemical formula of permutit.

D-What is zeolites? Give their uses.

### 3-S-Block Elements:

#### NCERT TEXT BOOK QUESTIONS NUMBER

10.1,10.2,10.3,10.5,10.6,10.7,10.9,10.13,10.15,10.17,

10.18,10.19,10.25,10.27,10.29

4- P-Block Elements

NCERT TEXT BOOK QUESTIONS NUMBER

11.2,11.3,11.5,11.6,11.8,11.9,11.12,11.13,11.15,11.17,  
11.19,11.20,11.22,11.24,11.26,11.28,11.30,11.31,11.33,  
11.34,11.35,11.36,11.37

A-What are fullerenes?

B-What is inert pair effect?

## Physics

Write and Learn the theory of following chapters;

1. Mechanical Properties of Solid Elastic behavior, Stress-strain relationship, Hooke's law, Young's modulus, bulk modulus, shear, modulus of rigidity, poisson's ratio; elastic energy.
2. Mechanical Properties of Liquid Pressure due to a fluid column; Pascal's law and its applications (hydraulic lift and hydraulic brakes). Effect of gravity on fluid pressure. Viscosity, Stokes' law, terminal velocity, Reynold's number, streamline and turbulent flow. Critical velocity. Bernoulli's theorem and its applications. Surface energy and surface tension, angle of contact, excess of pressure, application of surface tension ideas to drops, bubbles and capillary rise
3. Thermal properties of matter Heat, temperature, thermal expansion; thermal expansion of solids, liquids and gases, anomalous expansion; specific heat capacity; Cp, Cv - calorimetry; change of state - latent heat capacity. Heat transfer-conduction, convection and radiation, Qualitative ideas of Blackbody radiation greenhouse effect, thermal conductivity, Newton's law of cooling, Wein's displacement Law, Stefan's law
4. Thermodynamics Thermal equilibrium and definition of temperature (zeroth law of thermodynamics). Heat, work and internal energy. First law of thermodynamics. Isothermal and adiabatic processes. Second law of thermodynamics: reversible and irreversible processes. Heat engines and refrigerators.

Also solve all the example of these chapters.

हिंदी

१. चार पत्र
२. वितान के प्रश्न उत्तर
३. प्रदत्त परियोजना कार्य

## HISTORY

1. PREPARE A PROJECT WORK FOR SESSION ENDING EXAMINATION ON THE TOPIC SELECTED BY YOU (20-25 Pages including Acknowledgement, certificate, objective, introduction, presentation and conclusion)
2. SOLVE THE SOURCE BASED QUESTIONS OF THE CHAPTER “INDUSTRIAL REVOLUTUION”.
3. INDICATE THE FOLLOWING SITES IN THE POLITICAL MAP OF THE WORLD:
  - a. Areas of the Inca civilization
  - b. Madagascar
  - c. Manchester, Birmingham
  - d. Venice
  - e. Florence
4. Write an essay on “INDUSTRIAL REVOLUTUION”.
5. Why the industrial revolution did firstly started in Britain.

## **GEOGRAPHY**

1. Explain the following terms:
  - a. Ions
  - b. Atmosphere
  - c. Tropopause
  - d. Mesopause
  - e. Troposphere
  - f. Stratosphere
  - g. Mesosphere
  - h. Ionosphere
  - i. Exosphere
2. Explain the composition of Atmosphere.
3. Explain the following terms:
  - a. Aphelion
  - b. Perihelion
  - c. Convection
  - d. Albedo
  - e. Loo
  - f. Plank’s Law
  - g. Air drainage
4. Explain the factors affecting insulation at the surface of the earth.
5. Explain the following terms:
  - a. Atmospheric Pressure
  - b. Pressure Gradient Force
  - c. Frictional Force

- d. Coriolis Force
  - e. Cell
  - f. Hadley Cells
  - g. Ferrel Cells
  - h. El Nino
  - i. ENSO
  - j. Fronts
6. What is a front? How many types of fronts are there? Explain it.
  7. Explain the distribution of precipitation in the world on the basis of rainfall.
  8. Explain the following terms:
    - a. Koeppen's Scheme of Classification of climate
    - b. Ozone hole
    - c. Green House gases
    - d. Green House Effect
    - e. Dust Bowl
    - f. Green House
  9. Explain the term 'climate' and its classification.
  10. Explain different types of forest that are found in India.
  11. What is gully erosion? How can it be prevented?
  12. Divide India into natural disaster vulnerability zone based on droughts and suggest some mitigation measures.

## **ECONOMICS**

1. PREPARE PROJECT ON ANY OF THE TOPIC FROM THE SYLLABUS
2. LEARN ALL THE CHAPTERS OF PT-2 SYLLABUS

## **ACCOUNTANCY**

1. Complete One Project Work.
2. Complete your home and class Work in all manner.
3. Solve all the illustration of text Book of PT2 Syllabus
4. Solve minimum 3 question 3 ,4,8 Mark question from your text Book of PT2 syllabus.
5. Differentiate the following.
  - Bill of exchange and Promissory note.
  - Capital Reserve and Revenue Reserve.
  - Trading account and Profit and Loss account.
6. Rectify the Minimum 5 Journal Entry related Bank Balance as per Cash Book and Pass Book and overdraft on cash Book and Pass Book.
7. Prepare a Journal entry in Book of Drawer and Drawee and Endorsee Account in the Retained a Bill.
  - Discounted the Bill form Bank.

Bill dishonoured and Noting Charges paid.  
Endorsee the bill to creditors.  
Rebate on the bill and New Bill on some circumstances.

8. Prepare a Trading Account Profit and Loss Account and Balance Sheet with following adjustment.

1. Closing Stock.
2. Depreciation.
3. Further Bad Debts . And new provision on debtors
4. Discount on debtors.
5. Manager commission.
6. GST Charge on Purchases and Income.

9. Complete 5 Journal entry and Prepare a Financial Statements on **Tally**(if you have a system).

10. Solve at least 10 Multiple choice Q. form Text Book of PT2 syllabus

## **BUSINESS STUDIES**

1. Complete One Project Work.
2. Complete your home and class Work in all manner.
3. Solve all the 3 Case studies illustration of text Book of PT2 Syllabus
4. Solve minimum 3 question 3 ,4,8 Mark question from your text Book of PT2 syllabus.
5. Differentiate the following.
  - Departmental Store and Chain Store.
  - Internal Trade and External Trade.
  - street traders and street shops.
  - GDR and ADR
6. What are the different parameters used to measure the size of business.
7. Prepare a questionnaire to find out the actual problems faced by an owner of a small scale unit. Prepare a project report on it.
8. Imagine life without your local market. What difficulties would a consumer face if there is no retail shop
9. What advantages does issue of debentures provide over the issue of equity shares).
10. Prepare a comparative chart of all the sources of finance

11. Solve at least 10 Multiple choice Q. form Text Book of PT2 syllabus

## **POLITICAL SCIENCE**

### **Chapter-6**

#### **(Judiciary)**

##### **One Marks Questions:**

- Q1- Why do we need judiciary?  
हमें न्यायपालिका की जरूरत क्यों पड़ती है?
- Q2- What is PIL?  
जनहित याचिका से क्या तात्पर्य है?
- Q3- What is rule of Law?  
कानून का शासन से क्या तात्पर्य है?
- Q4- What is judicial review?  
न्यायिक पुनरावलोकन से क्या तात्पर्य है?
- Q5- What is judicial activism?  
न्यायिक सक्रियता से क्या तात्पर्य है?

##### **Two Marks Questions:**

- Q6- What is Special Appeal?  
विशेष याचिका से क्या तात्पर्य है?
- Q7- What is the need for an independent judiciary?  
हमें स्वतंत्र न्यायपालिका की जरूरत क्यों है?

##### **Five Marks Questions:**

- Q8: Describe the composition, organization and jurisdiction of the Supreme Court of India.  
भारत के सर्वोच्च न्यायालय के गठन, संगठन एवं न्यायक्षेत्र की व्याख्या करें।
- Q9: What is judicial review? How has judiciary served as the interpreter of the Indian Constitution?  
न्यायिक समीक्षा क्या है? भारतीय न्यायपालिका कैसे संविधान व्याख्या के रूप में काम की है?

### **Chapter-7 (Federalism)**

##### **One Marks Questions:**

- Q1- What is federalism?  
संघवाद क्या है?
- Q2- What is Cooperative federalism?  
सहयोगी संघवाद क्या है?
- Q3- What is the need for federalism?  
हमें संघवाद की जरूरत क्यों पड़ती है?
- Q4- Examine the meaning of federation.  
संघ का क्या अर्थ है?
- Q5- How is India a quasi-federal state?



भरिटी संघ कैसे अर्ध-संघात्मक है?

**Two Marks Questions:**

Q6- Which areas of India have been given more autonomy and why?

भारत के किन क्षेत्रों में ज्यादा स्वायत्ता दी गयी है और क्यों?

Q7- What is inter-state conflict? Explain.

अंतर्राष्ट्रीय विवाद से क्या तात्पर्य है?

**Five Marks Questions:**

Q8: Why is India a federal state with a strong unitary bias? Explain.

कैसे भारत एक केन्द्रोमुखी संघ है? व्याख्या करें।

Q9: Suggest and evaluate the conflict areas surrounding Indian federation.?

भारतीय संघ में विवाद के क्षेत्रों की व्याख्या करें।

**Chapter-8  
(Local Governments)**

**One Marks Questions:**

Q1- What is decentralization?

विकेन्द्रीकरण क्या है?

Q2- What is local government?

क्षेत्रीय राजनीति क्या है?

Q3- What is IRDP?

आई.आर.डी.पी. क्या है?

Q4- What was the Panchayat Bill of 1989?

1989 का पंचायती बिल क्या था?

Q5- What was the Nagarpalika Bill?

नगरपालिका बिल से क्या तात्पर्य है?

**Two Marks Questions:**

Q6- What is Gram Sabha?

ग्राम सभा से क्या तात्पर्य है?

Q7- What are the sources of income of Panchayat Samiti?

पंचायत समिति की आय का मुख्य स्रोत क्या है?

**Five Marks Questions:**

Q8: What is local government? What is its significance?

क्षेत्रीय सरकार क्या है? इसका महत्व क्यों है?

Q9: Describe the status of local government in India. How far has it been successful.

भारत में क्षेत्रीय सरकार की स्थिति क्या है? यह किस हद तक सफल हो पाया है?

