

**ASN SR. SEC. SCHOOL**  
**MAYURVIHAR-1**  
**CLASS X**  
**HOLIDAY HOMEWORK**

**ENGLISH:**

**1. COMMUNICATIVE ENGLISH (Practice Book )**

- Comprehensive group practice Q Nos. (1-8) (Term I)
- Comprehension (practice exercises ) passages (1-5)
- Develop the following into a story (page no. 71) (Q. Nos. 3 & 5)

**Value points for story writing.**

1. suitable title.
2. characters
3. story line
4. background
5. dialogues
6. moral

**2. THE STORY OF MY LIFE.**

**Read the text book and answer the following questions.**

1. What were the qualities that attracted everyone towards Helen before she fell victim to her mysterious-illness? Give your views.
2. How did Helen call her pony 'black beauty'?
3. Helen Keller says 'Happy days did not last long'. Why does she say this? What had happened to her?
4. Describe Helen's relationship with her sister Mildred?
5. Helen had a great strength and courage which helped her come out of her dark and silent world. Justify.
6. What type of relationship did Miss Anne Sullivan and Helen share?
7. How did Helen learn subjects like Geography, History and Science?
8. Helen was very close to nature. She could understand nature through touch and smell. Discuss the role of nature in Helen's life.
9. write a character sketch of Annie Sullivan.
10. Draw up a character sketch of Martha Washington.
11. write a pen -potrait of Helen Keller.
12. How did Dr. Bell help Helen?
13. What impression do you form of Helen as she learns to cope with her deafness and blindness?
14. How does the teacher explain the concept of love to Helen Keller ?
15. What problems did Helen have at the Cambridge School for Young Ladies with her tutor and at Radcliff ?
16. Who was Martha Washington? How was she Helen's good companion.
17. What circumstances led Helen Keller to be accused of plagiarism?
18. How is Helen's first meeting with Alexander Graham Bell described in The Story Of My Life? How did he help her?
19. What circumstances led Helen Keller to be accused of plagiarism? How did it affect Helen Keller?
20. What was Helen's experience during her visit to the World Fair?
21. Why does Helen compare herself to a ship in a dense fog?
22. Attempt a charactersketch of Mr. Anagnos.
23. Describe the christmas before and after Miss Sullivan came into the life of Helen.
24. Helen is an inspiration for disabled persons. Comment.
25. Why was Helen withdrawn from the Gilman School? How was her education pursued further?

**HINDI –**

प्र01 वाक्य किसे कहते हैं ?

प्र02 रचना के आधार पर वाक्य के कितने भेद हैं? उदाहरण देकर बताएँ—

प्र03 रचना के आधार पर वाक्य का भेद बताएँ—

- 1 खाना खाकर सो जाओ।
- 2 जादूगर ने जादू दिखाया और लड़की गायब हो गई।
- 3 मैं सभा में देर से पहुँची।
- 4 सूर्य उदित होते ही चारों ओर उजाला फैल गया।
- 5 जीवन में पहली बार मुझे इतना सोच विचार करना पड़ा।
- 6 निराश होने के कारण रमन देहरादून नहीं गया।
- 7 बच्चे सिनेमा गए और उन्होंने बहुत मजे किए।
- 8 विद्वान का सभी आदर करते हैं।
- 9 जैसे ही मेरा नाम बोला गया वैसे ही मैं मंच पर चढ़ गया।
- 10 मैं व्यस्त थी इसलिए तुम्हारे घर न आ सकी।
- 11 आज बहुत ठंड है इसलिए गर्म कपड़े पहनकर आना।
- 12 पक्षी ने तिनका-तिनका जोड़कर घर बनाया।
- 13 जैसे ही वह स्लेशन पहुँचा, वैसे ही उसने फोन किया।
- 14 आलोक ने कहा कि वह परीक्षा नहीं देगा।
- 15 प्रातः काल हुआ और चिड़िया चहकने लगीं।

प्र04 निर्देशानुसार वाक्य परिवर्तित कीजिए—

- 1 बालक रोता रहा और चुप हो गया। (सरल वाक्य)
- 2 तुम जाकर राम को बुला लाओ। (संयुक्त वाक्य)
- 3 शीला ने एक पुस्तक मांगी और वह उसे मिल गई। (मिश्र वाक्य)
- 4 सोने की चिड़िया कहलानेवाला यह वही भारत है। (मिश्र वाक्य)
- 5 राधा धूप में बैठकर सब्जी काटने लगी। (संयुक्त वाक्य)
- 6 गरजते बादलों में बिजली कौंध रही है। (संयुक्त वाक्य)
- 7 जैसे ही वह स्लेशन पहुँचा वैसे ही गाड़ी चल पड़ी। (सरल वाक्य)
- 8 रेस में प्रथम आने वाले लड़के को पुरस्कार मिला। (मिश्र वाक्य)
- 9 जो परिश्रम करता है, उसकी पराजय नहीं होती। (सरल वाक्य)
- 10 रोहित गाँव जाकर बीमार हो गया। (संयुक्त वाक्य)

पाठ्य पुस्तक पर आधारित —

- प्र05 ओपन लड़ाई किसे कहा गया है?
- प्र06 आज़ादी के संघर्ष में विद्यार्थियों की क्या भूमिका थी ?
- प्र07 किन बातों से पता चलता है कि पाठ में वर्णित दिन अपने आप में अपूर्व और निराला है?
- प्र08 'डायरी का एक पन्ना' पाठ में क्या संदेश दिया गया है ?
- प्र09 मीरा कुसुंबी साड़ी ही पहनना क्यों चाहती हैं?
- प्र10 मीरा का हृदय अधीर क्यों है ?
- प्र11 अपने आराध्य श्रीकृष्ण के दर्शन पाने के लिए मीरा क्या-क्या उपाय करती हैं?
- प्र12 मीरा की भक्ति भावना पर प्रकाश डालिए—
- प्र13 'तीनू बाता सरसी' का आशय स्पष्ट कीजिए—
- प्र14 मीरा ने श्रीकृष्ण के रूप सौंदर्य का जो वर्णन किया है उसे अपने शब्दों में लिखिए—

संस्कृतम्

पाठ — वाङ्मय तपः के आधार पर कोई भी अन्य सुभाषितानी (पाथेय) 7-8 श्लोकों में ए 3 साइज़ शीट पर सचित्र (गुरु-शिष्य उपदेश के रूप में) शुद्ध एवं आकर्षक लेख में प्रस्तुत करें।

## MATHEMATICS

All exemplar questions along with the extra questions to be done in one separate holiday homework register.

NCERT -

Chapter1-Real Numbers

- all the examples
- ex 1.1,1.2,1.3,1.4

Chapter-2 polynomials

- all the examples
- ex 2.1,2.2,2.3,2.4

Chapter-3 trigonometry

- all the examples
- geometrically find the values of 30,45 and 60 for all the ratios
- ex 8.1,8.2,8.3,8.4

### Chapter-14 statistics

- all the examples
- ex 14.1,14.2,14.3,14.4

### Chapter-5 Arithmetic Progression

- all the examples
- Ex 5.1,5.2,5.3,5.4

### NCERT Exemplar

- Apart from the exemplar questions given below, minimum of 8-10 extra questions to be done on daily basis from any supplementary book from number system , polynomials , statistics and trigonometry (R S Aggarwal/ R D Sharma).

CHAPTER	PAGE NUMBER	EXCERCISE	QUESTION NUMBER
REAL NUMBERS	4	1.2	3,5,6,7,8,9,10
	6	1.3	1,2,4,6,7,8,9,10,11,12
	7	1.4	1,2,3,4,5
POLYNOMIALS	13	2.3	5,6,7,8,9,10
	14	2.4	1,2,3,4,5,6
TRIGONOMETRY	93	8.2	4,5,6,10
	95	8.3	3,4,5,6,7,9,11,12,13,15
	99	8.4	1,2,4,5,9,10,11,12
STATISTICS	167	13.3	5,10,11,12
	177	13.4	1,7,8,9,10,12,13,14
			1,,7,8,9,10,12,13,14
			1,2,4,6,7,8,9,10,11,12
			1,2,4,6,7,8,9,10,11,12
			1,2,4,6,7,8,9,10,11,12

## SOCIAL SCIENCE

### Project Work: 5 Marks

Every student has to compulsorily undertake any one project on the following units / topics.

1. Disaster Management (Pertaining to class Xth curriculum of Disaster Management only).

OR

2. Popular Struggles and Movements

OR

3. Money and Credit

The distribution of marks over different aspects relating to Project Work is as follows:

ASPECTS	MARKS
1. Content accuracy and originality	1
2. Presentation and creativity	1
3. Process of Project Completion : Initiative, cooperativeness, participation and punctuality	1
4. Viva or written test for content assimilation	2

### Project Layout:

1. Title
2. Acknowledgements
3. Index
4. Introduction

5. Onwards Content Which shall include Graphs, Illustrations, Pictures, Case studies etc.
6. Conclusion
7. Summary
8. Bibliography
9. Teacher's Remarks

The projects carried out by the students in different topics will subsequently be shared among themselves through interactive sessions such as exhibitions, panel discussions, etc. The Project Report should be handwritten by the students themselves and comprise of not more than 15 foolscap pages.

### **Points to be covered in Project**

#### **A. Popular struggles & movements**

1. What are pressure groups & movements?
2. What are the types of pressure groups & movements?
3. Role of pressure groups & movements in democracy?
4. Case Study
- \* Conclusion (Is the influence of pressure groups healthy or not for democracy based on case study)
5. Summary

#### **B. Money & Credit**

1. Forms of modern money
2. Role of Banks & Financial Institution in Economic Growth
3. Case Study (Credit Functions of Banks)
4. Importance & Functioning of Self Help Groups
5. Formal VS Informal sources of credit
6. Summary

#### **Revision Questions - Political science - Federalism**

1. Differentiate between federal & unitary government?
2. Explain the three tier system of Indian Federation
3. In what ways local government has deepened our democracy?
4. What type of new culture of power sharing developed after 1990 & why?
5. Describe two paths to federalism?
6. On what type of principles is the Indian federation based? Describe the threefold distribution of legislative powers between union government & state government
7. Explain why was a need felt for decentralization of power in India?
8. Trace the attempts of Indian constitution in order to decentralize power.

#### **Geography - Water Resources**

1. "Availability of water varies from place to place and time to time in India." Explain the statement with example.
2. Critically evaluate MPP.
3. What is rain water harvesting? State its objectives.
4. Mention the traditional rainwater harvesting techniques of India.
5. Discuss the causes of Water scarcity.
6. Why is conservation of water resources essential?

#### **History Work, life and leisure: Cities in the contemporary world**

1. Name the two Acts passed in England to keep the children out of industrial world.
2. What is meant by temperance movement?
3. By whom was the concept of a Garden City first developed?
4. What was the impact of the development of technology on the livelihood of women?
5. Explain how did Bombay develop as a major city?
6. Explain the development of underground railway transport in London City.
7. Why was housing a main concern in the city of London?
8. What were the Chartist and the 10-hour movements?
9. Describe some common features of the three Presidency cities of colonial India.

10. How were the neighborhoods used in Bombay?
11. What led to the development of London Underground Railway? Why was it criticized?
12. How did development of cities affect the family life?
13. Discuss how land reclamation took place in Bombay.
14. What led to rise in pollution level in the city of Calcutta? What steps were taken to control pollution here?

### **Sectors of the Indian economy**

1. What is GDP? How is it calculated?
2. Explain why only value of final and not intermediate goods included in GDP. Give example.
3. "Entire tertiary sector is not growing equally." Explain.
4. Explain with suitable examples the interdependence of three sectors of the economy.
5. What does tertiary sector involve? Explain reasons for its rapid growth over years.
6. Which type of unemployment is found in agricultural sector? Suggest ways by which it can be tackled?
7. What is the rationale behind government managing the public sector? List some activities of this sector.

### **SCIENCE**

**NOTE:- Below mentioned questions to be done in their respective subject notebooks (registers)**

#### **PHYSICS**

1. A 4 ohm wire is doubled on it. Calculate the new resistance of the wire.
2. Calculate the resistivity of the material of a wire 1m long, 0.4mm in diameter and having a resistance of 2ohm.
3. Derive an expression for the combination of two resistances facing opposite to one another. Draw the circuit diagram for the same.
4. Calculate the number of electrons comprising one coulomb of charge.
5. How much work is done in moving a charge of 2C across two points having a potential difference of 12V?
6. Two copper wires A and B of length 30m and 10m have radii 2cm and 1cm respectively. Compare the resistances of the wires.
7. State ohm's Law. Plot the graph for the same by taking a given set of values.

#### **CHEMISTRY**

- 1) What is an oxidation reaction? Identify in the following reaction:
  - i) The substance oxidised
  - ii) the substance reduced.
- 2) You are provided with two containers made up of copper and aluminium. You are also provided with solutions of dilute HCL, dilute HNO<sub>3</sub>, ZnCl<sub>2</sub> and H<sub>2</sub>O. In which of the above containers these solution can be kept?
- 3) A silver article generally turns black when kept in the open for a few days. The article when rubbed with toothpaste again starts shining.
  - a) Why do silver articles turn black when kept in open for a few days? Name the phenomenon involved.
  - b) Name the black substance formed and give its chemical formula.
- 4) 3 ml of sodium sulphate are mixed with 3ml of barium chloride solution in a test tube.
  - a) Write the chemical name of the product formed,
  - b) Identify the chemical reaction and define it.
  - c) Write chemical equation for the reaction.
- 5)
  - a) Give an example of a combination reaction which is exothermic.
  - b) Identify the oxidising agent, reducing agent in the following reaction:



c) Name the phenomenon due to which the taste and smell of oily foods change when kept for long time in open . Suggest one method to prevent it.

6) Explain what happens when

a) Carbon dioxide is bubbled through lime water.

b) All displacement reaction are not called double displacement reaction.

## **BIOLOGY**

1. Define Nutrition. What are the different modes of nutrition?

2. What is the mode of nutrition in following:-

a. Fungi

b. Cuscuta

c. Human being

3. Name the pigment which can absorb Solar energy.

4. Name the factor which affect photosynthesis.

5. Name the stored food in plants and animals respectively.

6. from where do plants obtain their raw materials?

7. Draw a well labelled diagram of:-

a. Cross section of leaf

b. open and closed stomata.

## **GERMAN**

Q1. Was für ein Typ bist du ? Schreiben Sie 30-40 Wörter darüber.

Q2. Schreiben Sie 10 Sätze mit Hilfe von Adjektive.

Q3. Machen Sie Arbeitsbuch von Intensivtrainer A2 : Seite Nummer 42 (KII),45 (verbformen),71,72 (Adjektivendung).

Q4. Machen Sie ein Poster von einer Sprachreise.

## **INFORMATION TECHNOLOGY**

**SOLVE FOLLOWING QUESTIONS IN YOUR SUBJECT NOTEBOOK.**

1. Explain the purpose of Internet Security.

2. Explain different kinds of online threats.

3. Explain the purpose of Online transactions.

4. List any 5 websites that allow online transactions.

5. List any five application based instant messaging software.

## **VISUAL ART**

1. Decorate the coaster done in the class with any form of Indian painting e.g Pattachitra, Mughal, Kalamkari, Pahari, Kangra, Phad, Miniature, etc.

2. Make two painting on

a) Swatch Bharat

b) Peace

Size: A3 size paper ,

PAPER : Cartridge sheet

MEDIUM: Poster Colour

Note: The selected exclusive ones will be on the display during exhibition.