



## **Holiday Homework: Class-X**

Important Instructions:

- The holiday homework will be assessed as internal assessment.
- All the home assignments provided through WhatsApp must be completed.



Children are reservoirs of potential which needs to be tapped and channelized in diverse ways. We at BBPS Anuppur feel that it is very important to fire their imagination and foster an outlook that helps them explore, discover and rediscover. Children should be encouraged to develop intellectually and physically. Summer Vacation is the best and fruitful time for learning and for nurturing creativity. It is the time when you can connect with your child in many ways. The Holiday Homework designed would not only enhance achievements of your children but also help to enhance family relationships. It would teach your child to work independently and would improve their basic academic skills, such as reading, writing, and spellings and would help them develop personal skills and time management.

## English

### 1. Write the following letters:

- a. Write a letter to the Editor of a newspaper against the use of unfair means by students in examinations. Your name is Pankaj Walia and you live at 17, Model Town, Nawanshahar. (150-200 words)
- b. Write a letter to the Editor of 'The Times of India' Complaining about the nuisance created by the use of loudspeakers. You are Piyush Sharma, a resident of sector 15, Vasundhara Enclave, New Delhi. (150-200 words)
- c. Write a letter to the Sales Manager, Arya Publications, Ashok Vihar, Delhi, placing order for class IX reference books of all the subjects for educational purpose. You are Sanjeev/Sanjana, 12/CA, Model Town, Kurukshetra. (150-200 words)
- d. You are interested in taking online classes from ALLEN, a reputed provider of online classes in Varanasi. Having found the site's information inadequate, write letter enquiring various details regarding the functioning of the classes that you intend to avail from. You are Udit/Udit from Bhopal. (150-200 words)
- e. You are Nitu/Nihal. You bought a Microwave oven from Algrawal Electronics and electricals, Anuppur. It does not function properly. Write a letter to the Sales Manager of the shop, complaining about the defect and asking for immediate replacement or repair, as necessary. (150-200 words)
- f. Write a letter to the editor of a national newspaper expressing your concern about the careless behaviour of the people of not following the lockdown properly. Also suggest ways how to remain safe and protected from this deadly disease. (150-200 words)

2. Prepare a Comic Strip on Any social theme from the contemporary issues. Give it a suitable and catchy heading to make it look impressive. It shall be explained by you in the class as a part of **Multiple Assessments/Portfolio** when the school reopens.

3. Make a small notebook/a diary your personal diary. Cover it and decorate it as well as you do to the most favourite thing of yours. Give your diary a cute/funny name as you name your friend/pets. Write a page of the everyday events of your daily life in the diary. Draw/paste pictures to make the entry memorable. Follow the format.

4. Learn the given topics from the links provided and practice them in your English notebook:

- a. Determiners: <https://www.learncbse.in/cbse-class-10-english-grammar-determiners/>  
<https://youtu.be/paZmDFwYB58>
- b. Tense: <https://www.learncbse.in/cbse-class-10-english-grammar-tenses/>  
<https://youtu.be/cYAaGmICm3U>  
<https://youtu.be/pXZtRXpGNck>
- c. Clauses: <https://www.learncbse.in/cbse-class-10-english-grammar-clauses/>  
[https://youtu.be/\\_jTydlA2Nno](https://youtu.be/_jTydlA2Nno)
- d. Modals: <https://www.learncbse.in/cbse-class-10-english-grammar-modals/>  
<https://youtu.be/tkgaFERmSCM>  
<https://youtu.be/1o9twUvY7Qo>
- e. Voice: <https://www.learncbse.in/cbse-class-10-english-grammar-active-passive-voice/>  
[https://youtu.be/My7XX\\_IzH4U](https://youtu.be/My7XX_IzH4U)  
<https://youtu.be/VT5kM7Ugpwg>
- f. Reported Speech: <https://www.learncbse.in/cbse-class-10-english-grammar-direct-indirect-speech/>  
<https://youtu.be/RMlexWdwTuM>  
<https://youtu.be/yML5gg26MUA?list=RDCMUCayJSRMRgQEQo71zBySi-RQ>
- g. Preposition: <https://www.learncbse.in/cbse-class-10-english-grammar-prepositions/>  
<https://www.cbsetuts.com/cbse-class-6-english-grammar-correct-uses-prepositions/>  
<https://youtu.be/acTcYV9fLCs>
- h. Subject–Verb Concord(Agreement): <https://www.learncbse.in/cbse-class-10-english-grammar-subject-verb-concord/>  
<https://www.toppr.com/guides/english/verb/subject-verb-concord/>  
<https://youtu.be/Hi4F7USqWAY>, [https://youtu.be/5\\_1BRq9iil0](https://youtu.be/5_1BRq9iil0)

**Note: It's a part of internal assessment. So, it has to be done diligently and must be produced when asked for submission.**

## Hindi

- १) मीराबाई, सुभद्रा कुमारी चौहान, महादेवी वर्मा, सरोजिनी नायडू, अमृता प्रीतम का जीवन परिचय निम्न बिन्दुओं पर लिखिए (जन्मा/मृत्यु, रचनाएं, शिक्षा, साहित्यिक योगदान) कार्ड के रूप में बनाना है। [पहले पेज में साहित्यकार का नाम और चित्र तथा अन्दर उपर्युक्त बिन्दुओं को लिखना है ]
- २) स्वरचित तीन कहानियों का संकलन पुस्तक के रूप में तैयार कीजिये। मुख्य पृष्ठ का शीर्षक स्वयं लिखिए तथा उनके लिए बुकजैकेट बनाइए ।
- ३) मास्क,सेनेटाइज़र,मोबाइल फ़ोनबेचने के लिए, पुरानी बाइक बेचने के लिए तथा स्वास्थ्य विभाग के तरफ से कीटनाशक छिडकाव के लिए आकर्षक विज्ञापन तैयार कीजिये। (लेखन कार्य हिंदी कॉपी में करना है)
- ४) कबीर की साखी याद कीजिए तथा कलात्मक ढंग से लिखिए ।
- ५) स्पर्श और संचयन के सभी पाठ का पाठन करना है।
- ६) कबीर की साखी याद करना है और 'मीरा के पद' पाठ के अतिरिक्त कोई अन्य दो पद याद कीजिए।

## Mathematics

### ACTIVITY/PROJECT WORK

**(ACTIVITY TO BE DONE IN THE LAB MANUAL OR PREPARE A SEPARATE ACTIVITY NOTE BOOK)**

**ACTIVITY:** Find the HCF of two numbers based on Euclid division lemma by paper cutting activity.

**PROJECT:** Prepare a Power point Presentation of 15 questions from chapter-1 Real numbers. All questions must be of MCQ type with 4 options. Answers to be displayed in the last slide.

## WORK SHEET (REAL NUMBERS)

### ASSIGNMENT (TO BE DONE IN MATHS NOTE BOOK)

Q1. Find the HCF of 96 and 404 by the prime factorization method. Hence, find their LCM.

Q2. Find the HCF and LCM of 6, 72 and 120, using the prime factorization Method.

Q3. Given that  $\text{HCF}(306, 657) = 9$ , find  $\text{LCM}(306, 657)$ .

Q4. Check whether  $6n$  can end with the digit 0 for any natural number  $n$ .

Q5. Explain why  $7 \times 11 \times 13 + 13$  and  $7 \times 6 \times 5 \times 4 \times 3 \times 2 \times 1 + 5$  are composite numbers.

Q6. There is a circular path around a sports field. Navya takes 18 minutes to drive one round of the field, while Neeraj takes 12 minutes for the same. Suppose they both start at the same point and at the same time, and go in the same direction. After how many minutes will they meet again at the starting point?

Q7. Prove that  $\sqrt{3}$  is irrational.

Q8. Show that  $5 - \sqrt{3}$  is irrational.

Q9. Without actually performing the long division, state whether the following rational numbers will have a terminating decimal expansion or a non-terminating repeating decimal expansion:

(i)  $13/3125$       (ii)  $17/8$       (iii)  $64/455$       (iv)  $15/1600$       (v)  $29/343$

Q10. Write the sum of the exponents of prime factors in the prime factorization of 98.

### FORMULA DIARY:

Purchase a pocket diary and write all the various formulas from all the chapters of the N.C.E.R.T. Textbook in this diary and memorize all these formulas.

As soon as the school resumes there will be a formula test and the marks you obtain in

this test will be taken into account while doing the internal assessment. Your performance in this test will significantly affect your final results.

HYPER LINKS FOR ONLINE RESOURCES:

<https://www.vedantu.com/cbse/important-questions-class-10-maths-chapter-1>

## Science

By using O Lab you will watch all practical and maintain record. If you have any problems you can discuss with us.

### **List of Experiments**

#### **Experiment 1.**

A. Finding the pH of the following samples by using pH paper / universal indicator:

- a) Dilute Hydrochloric Acid
- b) Dilute NaOH solution
- c) Dilute Ethanoic Acid Solution
- d) Lemon juice
- e) Water
- f) Dilute Hydrogen Carbonate solution

B. Studying the properties of acids and bases (HCl & NaOH) on the basis of their reaction with:

- a) Litmus solution (Blue/Red)
- b) Zinc metal
- c) Solid sodium carbonate

**Experiment 2.** Performing and observing the following reactions and classifying them into :

- a) Combination reaction
- b) Decomposition reaction
- c) Displacement reaction
- d) Double displacement reaction
- (i) Action of water on quick lime
- (ii) Action of heat on ferrous sulphate crystals
- (iii) Iron nails kept in copper sulphate solution
- (iv) Reaction between sodium sulphate and barium chloride solutions

**Experiment 3.** Observing the action of Zn, Fe, Cu and Al metals on the following salt solutions :

- a) ZnSO<sub>4</sub> (aq)
- b) FeSO<sub>4</sub> (aq)

c)  $\text{CuSO}_4$  (aq)

d)  $\text{Al}_2(\text{SO}_4)_3$  (aq)

Arranging Zn, Fe, Cu and Al (metals) in the decreasing order of reactivity based on the above result.

**Experiment 4.** Studying the dependence of potential difference (V) across a resistor on the current (I) passing through it and determine its resistance. Also plotting a graph between V and I.

**Experiment 5.** Determination of the equivalent resistance of two resistors when connected in series and parallel.

**Experiment 6.** Preparing a temporary mount of a leaf peel to show stomata.

**Experiment 7.** Experimentally show that carbon dioxide is given out during respiration.

**Experiment 8.** Study of the following properties of acetic acid (ethanoic acid) :

i) odour

ii) solubility in water

iii) effect on litmus

iv) reaction with sodium Hydrogen Carbonate

**Experiment 9.** Study of the comparative cleaning capacity of a sample of soap in soft and hard water.

**Experiment 10.** Determination of the focal length of :

i) Concave mirror

ii) Convex lens

by obtaining the image of a distant object.

**Experiment 11.** Tracing the path of a ray of light passing through a rectangular glass slab for different angles of incidence. Measure the angle of incidence, angle of refraction, angle of emergence and interpret the result.

**Experiment 12.** Studying (a) binary fission in Amoeba, and (b) budding in yeast with the help of prepared slides.

**Experiment 13.** Tracing the path of the rays of light through a glass prism.

**Experiment 14.** Finding the image distance for varying object distances in case of a convex lens and drawing corresponding ray diagrams to show the nature of image formed.

**Experiment 15.** Identification of the different parts of an embryo of a dicot seed (Pea, gram or red kidney bean).

**Social Science**

1. Prepare all the maps from the following map list prescribed by CBSE for session 2020-21:

**A. HISTORY (Outline Political Map of India)**

**Chapter–3. Nationalism in India –**

**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 (Gujarat) - Peasant Satyagrah  
c. Ahmedabad (Gujarat) - Cotton Mill Workers Satyagraha  
d. Amritsar (Punjab) - JallianwalaBagh Incident  
e. ChauriChaura (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. BhakraNangal c. Tehri d. RanaPratapSagar e. SardarSarovar  
f. Hirakud g. NagarjunaSagar h. Tungabhadra

**Chapter 4: Agriculture**

- 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**

- 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** (Locating and Labelling only)

**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)

**Prepare a project on any one of the following disasters:**

- (i) Earthquake
- (ii) Volcanic eruption
- (iii) Tsunami
- (iv) First Aid pocket book

Download e-book from the link provided, read the following chapters and frame 8 to 10 questions from across the chapter on your own along with the answers:

**Link:** <http://ncert.nic.in/textbook/textbook.htm?iess2=1-4>

(i) Geography- Chapter 1

(ii) History- Chapter 1

## Music

➤ **Learn these Notations/Alankar daily 3 to 5 times**

- Sa, Re, Ga, Ma, Pa, Dha, Ni, Sa  
Sa, Ni, Dha, Pa, Ma, Ga, Re, Sa
- SaReGa, ReGaMa, GaMaPa, MaPaDha, PaDhaNi, DhaNiSa  
SaNiDha, NiDhaPa, DhaPaMa, PaMaGa, MaGaRe, GaReSa
- SaReGaMa, ReGaMaPa, GaMaPaDha, MaPaDhaNi, PaDhaNSa  
SaNiDhaPa, NiDhaPaMa, DhaPaMaGa, PaMaGaRe, MaGaReSa
- SaReGaMaPa, ReGaMaPaDha, GaMaPaDhaNi, MaPaDhaNiSa  
SaNiDhaPaMa, NiDhaPaMaGa, DhaPaMaGaRe, PaMaGaReSa
- SaReGaMaPaDha, ReGaMaPaDhaNi, GaMaPaDhaNiSa  
SaNiDhaPaMaGa, NiDhaPaMaGare, DhaPaMaGaReSa
- Listen this link from You tube & practice again & again  
Basic singing lesson 4 from Swar Swami  
<https://youtu.be/Vu9aLjMMGBY>

➤ **Make one PPT about the famous Instrumentalist of the Indian Music**

## Art & Craft

**ART-** Draw any two pencil sketch of your choice and give light & shadow effect on them.

Draw two examples of each :- (a) One vanishing point perspective

(b) Two vanishing point perspective

(C) Three vanishing point perspective.

Make any nature scene or landscape. (medium – poster colour ,water colour,

Or collage work.

**CRAFT-** Make any two craft by using waste plastic bottles or milk powder box or any other waste materials.

Or make any two wall hanging craft for home decor.

Example- Newspaper jar, broom from plastic bottle, wall hanging paper flower holder etc.

**Note-** For craft making ideas please find in YouTube.