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**Class-IX**
**SOCIAL SCIENCE**
**HISTORY/CIVICS**

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1. Draw a flow chart on the legislative history of the CAA
2. List 5 features/facts about its meaning and relevance
3. Define each of the terms and their relationship-
a. CAA
b.NPR
C.NRC
4. Revision of one mark questions done in the class.

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ECONOMICS

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Q1. Why is human resource considered to be the best resource? Explain

Q2. How can one grow more than one crop on a same piece of land?

Q3. "Improvement in the health status of the population is our national priority." Support the statement with examples.

Q4. Highlight the employment scenario in the three sectors of the economy.

Q5. 'Unemployment leads to wastage of manpower resources. Justify the statement.

Q6. What are the problems of the functioning of ration shops?

Q7. What happens to the supply of food when there is a disaster or a calamity?

Q8. Do you think ok that present methodology of poverty estimation is appropriate?

Q9. Can you suggest some measures in the education system to mitigate the problem of the educated unemployed?

Q10. Modern farming methods require more inputs which are manufactured in industry. Do you agree? Q11. Write a paragraph on the social unrest prevailing in

the economy related to NRC, CAB and CAA. Also give your opinions for the same.

## GEOGRAPHY

Q1. Locate the following on a political map of India. A) Aravali Range B) Vindhya range C) Western Ghats D) Eastern Ghats E) States through which the Tropic of Cancer passes F) Strait separating Sri Lanka from India G) The northernmost latitude in degrees H) The southernmost latitude in degrees I) Union territories of India J) Satpura Range

Q2. 'The land of India is characterized by a great diversity in its relief or physical features.' Justify the statement.

Q3. Discuss the significant difference between the Himalayan & Peninsular rivers.

Q4. Explain the steps taken by the govt. to protect flora & fauna.

Q5. What do you mean by age composition? Explain various categories of age in India. CLASS TEACHER'S HOMEWORK Visit a slum area and do a survey on the problem of food insecurity and poverty faced by them. Also suggest some remedial ways to overcome their problem. Also record the evidences for the same.

# Mathematics

Do an act of kindness everyday. Record evidence and bring it to school on the reopening day
Complete the following assignment from assignment booklet in your math register
 Assignment   - Chapter : Understanding Quadrilaterals
Assignment   - Chapter : Area of Parallelograms and triangles
Assignment - Chapter : Circles

## PHYSICS

1. If you place some small blades on a drum, what will you observe when you beat this drum with a drum stick? Explain.
2. Describe an activity with a (a) metre scale (b) rubber band to show that only a vibrating body produces sound.
3. Distinguish between compression and rarefaction.
4. Draw a density – distance graph in case of a longitudinal wave and indicate the position of compression and rarefaction.
5. A tuning fork has a number 384 marked on it. What does this number signify?
6. Ocean wave of time period of 10 sec have a speed of 15m/s. What is the wavelength of these waves?
7. A boat at anchor is rocked by wave whose compression is 100 m apart. The wave velocity of the moving crest is 20m/s. whatis the frequency of rocking of the boat?
8. Name any three devices based on reflection of sound.
9.  Give reasons for the following:
    a) A person pressed his ears against the railway track to find whether the train is approaching or not.
    b)  How flying supersonic aircraft shatters glasses of the window panes of house.
    c)  People living near the airports having problems.
10. Study the acoustics of any one monument / famous building of the world.


## BIOLOGY

1. Revise Ch-15 and Ch-7 from the textbook and the notebook.
2. Do the Assignment questions of Ch-15 (Improvement in Food Resources) and Ch-7. Objective type questions have to be done in the Assignment booklet only and the long answers should be done in the bio register.
3. Draw all the labeled diagrams given in Ch-7. (Page nos.- 83, 84, 86, 87, 89, 90, 92, 93 of the textbook)

4. Do the Written part of the practicals on Diversity of Living Organisms (Both plants and Animals) as discussed in the class from the Lab Manual. Draw all the relevant diagrams in the practical file.

5. Collect the leaves and flowers of any 5 monocot and dicot plants/trees from your surroundings. Dry them by placing them in the newspaper for a few days and then paste them in your bio register. Write their characteristic features and their complete classification as discussed in the class.

## CHEMISTRY

**Multiple choice questions**

1. The atomicity of $K_2Cr_2O_7$ is
   I. 9
   II. 11
   III. 10
   IV. 12

2. The formula for quicklime is
   I. $CaCl_2$
   II. $CaCo_3$
   III. $Ca(OH)_2$
   IV. $CaO$

3. The symbol of cadmium is
   I. Ca
   II. Cu
   III. Cm
   IV. Cd

4. All noble gas molecules are
   I. Monoatomic
   II. Diatomic
   III. Triatomic
   IV. Both I and II

5. The valency of nitrogen in $NH_3$ is
   I. 1
   II. 3
   III. 4
   IV. 5

6. The formula of ethanol is $C_2H_5 - OH$. What will be its molecular mass?

I. 46 u
II. 34 u
III. 34 g
IV. 46 g

7. Number of moles present in 28g of nitrogen atoms are
    I. 1 mole
    II. 2.3 moles
    III. 0.5 mole
    IV. 2 moles

8. The molecular mass of x is 106. x can be
    I. CaCo3
    II. So3
    III. Na2Co3
    IV. NaCl

9. Which among the following is not a postulate of Dalton�s atomic theory?
    I. Atoms can not be created or destroyed
    II. Atoms of different elements have different sizes, masses and chemical properties
    III. Atoms of same elements can combine in only one ratio to produce more than any one compound
    IV. Atoms are very tiny particles which can not be further divided

10. Which of the following is a wrong Combination?
    I. 6.022 * 1023 molecules of oxygen = 32g of oxygen
    II. 6.022 * 1023 ions of sodium = 23g of sodium
    III. 6.022 * 1023atoms of C = 24g of carbon
    IV. 6.022 * 1023 atoms of H = 1g of hydrogen atoms


**Short Questions:**

1. Define polyatomic ion. Give one example.
2. What is formula unit of mass? How is it different from molecular mass?
3. What is Law of conservation of mass and Law of constant proportions?
4. What is an ion? Explain the types of ion with examples.
5. Find the molecular mass of H2O.
6. Define the term valency. What is the valency for magnesium and copper?
7. What is the difference between cation and anion?
8. What is atomicity? What is the atomicity of phosphorus and nitrogen?
9. Find the number of atoms in 0.5 mole of C atom.

10. Find the mass of 1.5 mole of CO2 molecule.
11. Calculate the formula unit mass of NaCl and CaCl2.
12. What is the difference between molecules 2O and O2?


WINTER BREAK HOMEWORK 2019  ENGLISH - CLASS IX


1-Write an interesting story using the clues given below, in 150-200 words.

Humpty and Dumpty were two ants who were fast friends, Humpty was very painstaking while Dumpty was completely sluggish------------------------------------------------------------------------- learnt a lesson to work hard and never waste time . Develop the given hints in a meaningful story.

2- Write a descriptive paragraph on the visual clues given below in 100-120 words

3- Do any good act of kindness showing your compassion, sympathy and concern towards a distressed person, an animal or any needy human being in your surrounding and record your feelings in a form of diary entry. Also click your picture as an evidence of your project.

4- Revise your lessons and practice the questions given in assignment booklet.

NOTE-  HOMEWORK SHOULD BE DONE IN THE CLASS REGISTER.