



Home Assignment – May 17, 2020

Class VIII

English

- Q.1.** We all enjoy the 'POP' in the popcorn. Create an advertisement for Popping Fresh Popcorns which you want to promote in the market. Ensure that it not only has an interesting tag line but also an amusing mascot! (Hope you remember the humorous, polka dotted Amul girl!). Be as creative as you can!
- Q.2.** Given a choice, where would you like to live someday? A tree-house, a boat house, a cave, an island, a farm or a UFO? Think out of the box and come up with an attractive illustration of your dream home. Weave your thoughts creatively and describe this dream home in about 120-150 words.
- Q.3.** You are at home and so are all members of your family. A wonderful bond has developed among all of you. You talk, laugh, play, cook, and have fun together. In fact, you do so many things together for which there never seemed any time earlier. Share your thoughts about this new found togetherness in about 150 words.
- Q.4.** Interview (either face to face, or virtually) your grandparents or any other senior member of your family about how their life was when they were your age. Find out what their typical day was like (eating habits, schooling, subjects, assignments, games, get-togethers, celebrations, etc.) Write the entire experience in the form of a diary entry. (You can begin with ...It was an exciting journey down memory lane...)

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हिंदी

प्रश्न-1- निम्नलिखित काव्य पंक्तियों को पढ़कर पूछे गए प्रश्नों के उत्तर लिखिए ;

**कहा किसी ने - पेड़, तुम बड़े हो
इतने कड़े हो।**

**न जाने कितने बरसों से
आँधी-पानी में सीधे खड़े हो।**

**और हाँ, सिर ऊँचा किए
अपनी जगह पर अड़े हो।**

**सूरज उदय होता है,
चाँद बढ़ता-घटता है,**

**ऋतुएँ बदलती हैं,
बिजली गिरती है**

**और तुम सब सहते हुए
विनम्रता की हरियाली को ओढ़े,**

**लौह - स्तंभ की तरह खड़े हो,
अपनी जगह पर अड़े हो।**

- (क) विनम्रता की तुलना किससे की गई है?
- (ख) 'सिर ऊँचा किये, अपनी जगह पर अड़े हो' - इस पंक्ति का क्या अर्थ है?
- (ग) कविता में पेड़ की तुलना 'लौह- स्तंभ' से की गई है, आपके मतानुसार इसका क्या कारण है?
- (घ) इस कविता से आपने क्या सीख ली?
- (ड.) काव्यांश से अनुस्वार, अनुनासिक एवं शब्द-युग्म का एक-एक शब्द छाँट कर लिखिए।
- (च) 'हरियाली' कौन-सी संज्ञा है?
- (छ) 'विनम्रता' शब्द से मूल शब्द व प्रत्यय अलग कीजिए।

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विशेषण :

संज्ञा या सर्वनाम की विशेषता बताने वाले शब्द विशेषण कहलाते हैं;
जैसे : लाल, दस, दो किलो, अच्छा आदि।

प्रश्न -2- कोष्ठक में दिए शब्दों के उचित विशेषण शब्द बनाकर रिक्त स्थानों की पूर्ति कीजिए:

उदाहरण :

- यह भवन.....है।(बेचना)
उत्तर : बिकाऊ
-वाक्य तुम्हें बोलना है।(आगे)
उत्तर : अगला

- (क) मैंने एक.....सपना देखा। (डर)
(ख) यह पत्रिका.....है। (पक्ष)
(ग) उनका बड़ा बेटा ही घर का एकमात्र.....सदस्य है। (कमाना)
(घ) यह मेरा.....भाई है। (चाचा)
(ङ.) झील के किनारे एक.....हिरण खड़ा है। (प्यास)

प्रश्न- 3- इस घड़े में तत्सम और तद्भव शब्द हैं।उनका मिलान करते हुए अलग- अलग सूची बनाइए:



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उपसर्ग:

वे शब्द या शब्दांश जो किसी मूल शब्द के पूर्व जुड़कर उसके अर्थ में परिवर्तन या विशेषता ला देते हैं, उन्हें उपसर्ग कहते हैं।

उदाहरण: मान(मूल शब्द), अप(उपसर्ग), नया शब्द-अपमान

प्रश्न -4- निम्नलिखित उपसर्गों से दो-दो शब्द बनाइए :

बे, सु, कु, अन, वि।

प्रश्न- 5- लोकोक्तियों को व्यवस्थित क्रम में जमाकर उनके अर्थ लिखिए :

- (क) जाय जल अध छलकत गगरी
- (ख) क्या चिड़िया खेत गई, अब होत पछताय जब चुग
- (ग) दो चाहे क्या, अंधा आँखें
- (घ) भाड़ सकता नहीं अकेला फोड़ चना
- (ड.) लगना के अंधे बटेर हाथ

प्रश्न- 6- 'संदूक का रहस्य' शीर्षक को आधार बनाकर रंगीन, आकर्षक, रहस्य एवं रोमांच से भरपूर एक मनोरंजक चित्र - कथा का निर्माण कीजिए।



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Mathematics

Topic: Percentage and Its Applications



My Notes

If $S.P > C.P$, Profit = $S.P - C.P$

If $C.P > S.P$, Loss = $C.P - S.P$

$$\text{Profit}\% = \left(\frac{\text{profit}}{C.P} \times 100 \right) \%$$

$$\text{Loss}\% = \left(\frac{\text{Loss}}{C.P} \times 100 \right) \%$$

$$S.P. = \left\{ \frac{C.P \times (100 + \text{Profit}\%)}{100} \right\}$$

$$S.P. = \left\{ \frac{C.P \times (100 - \text{loss}\%)}{100} \right\}$$

$$C.P. = \left\{ \frac{S.P \times 100}{100 + \text{Profit}\%} \right\}$$

$$C.P. = \left\{ \frac{S.P \times 100}{100 - \text{Loss}\%} \right\}$$

General instructions:

1. Solve the questions with proper steps.
2. Be neat in your presentation

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- Q1.** Aman buys an old bicycle for Rs. 1500. If he sells the bicycle for ₹1275, determine the profit or loss%.
- Q2.** Anand purchased a radio for ₹2,000. After some days, he spent ₹ 500 on its repairs and sold it for ₹3000. Find his loss or profit percent.



Effective cost = Cost Price+ Overhead Expenses.

- Q3.** Balanced diet should contain 10% of proteins, 25% of fats and 63% of carbohydrates. If a child needs 2500 calories in his daily food, find the amount of each of these in his daily food.
- Q4.** A man sells his house for ₹8,00,000. If he gets 25% profit, find the cost price of the house.
- Q5.** By selling a jacket for ₹576 a shopkeeper had a loss of 4%. What should be his selling price if he wants a gain of 12%?
- Q6.** A mobile phone dealer sold a phone for ₹16000 at a loss of 20 %. If he had sold the phone for ₹24000, what would be his profit %?
- Q7.** The selling price of 12 water bottles is equal to the cost price of 15 water bottles. Find the profit or loss%.
- Q8.** An Almirah was bought for ₹15000 and ₹700 was spent on its transportation. At what price should it be sold to have a gain of 15%?
- Q9.** A vendor buys apples at ₹ 24 per dozen and sells them at 5 for ₹15. Find his gain %.

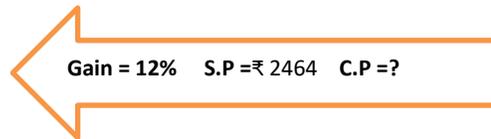


Cost price of 1 apple = ?

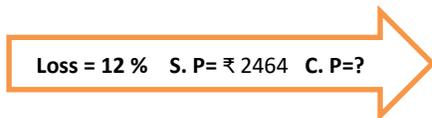
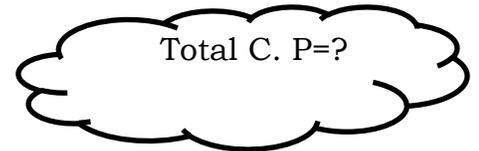
Selling Price of 1 apple=?

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- Q10.** Mohan had 200 pencils. He sold 5% of the pencils on Saturday and 10% of the remaining pencils on Sunday. How many pencils are left with him? On Monday he sold the remaining pencils for ₹10 each. How much money did he receive on Monday?
- Q11.** Sarita sells two leather bags for ₹ 2464 each, gaining 12% on one and losing 12% on the other. Find her gain or loss percent in the whole transaction.



Total S. P=?



- Q12.** Sam goes to a bookshop to purchase some books. David, the shopkeeper offers him a discount of 10% on the MRP of each book. Sam decides to purchase 20 story books, each having MRP of ₹ 250. What amount would Sam pay to David for purchasing those 20 books?



- Q13.** During a sale a shop offered a discount of 10% on the marked prices of all the items. What would a customer have to pay for a pair of jeans marked at ₹1450 and two shirts marked at ₹850 each?
- Q14.** The price of a shawl was slashed from ₹962 to ₹816 by a shopkeeper in the winter season. Find the rate of discount given by him.

HINT: $\text{Discount}\% = \left(\frac{\text{Discount}}{\text{Marked Price}} \times 100 \right)$

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Science (Chemistry)

Topic: Types of Chemical Reactions

During a chemical reaction, the substances that react are known as reactants whereas the substances that are formed during a chemical reaction are known as products. Six common types of chemical reactions are given below.

Types of Chemical Reactions	Explanation	General Reaction
Combination reaction	Two or more compounds combine to form one compound.	$A + B \rightarrow AB$
Decomposition reaction	The opposite of a combination reaction – a complex molecule breaks down to make simpler ones.	$AB \rightarrow A + B$
Precipitation reaction	Two solutions of soluble salts are mixed resulting in an insoluble solid (precipitate) forming.	$A + \text{Soluble salt B} \rightarrow \text{Precipitate} + \text{soluble salt C}$
Neutralization reaction	An acid and a base react with each other. Generally, the product of this reaction is a salt and water.	$\text{Acid} + \text{Base} \rightarrow \text{Salt} + \text{Water}$
Combustion reaction	Oxygen combines with a compound to form carbon dioxide and water. These reactions are	$A + O_2 \rightarrow H_2O + CO_2 + \text{heat}$

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	exothermic, meaning they give off heat.	
Displacement/Replacement reaction	One element takes place of another element in the compound.	$A + BC \rightarrow AC + B$

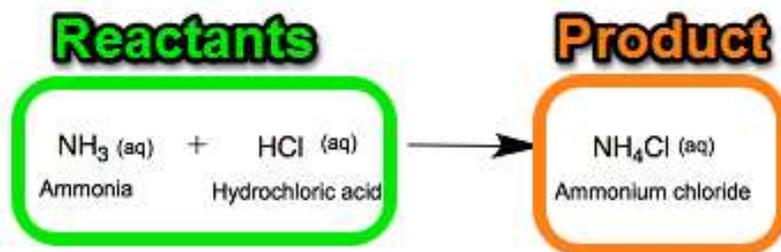
Complete the table given below:

Type of Reaction	Definition	★ Equation
Synthesis		$\begin{array}{c} \text{---} \\ \bigcirc \end{array} + \begin{array}{c} \text{---} \\ \bigcirc \end{array} \rightarrow \begin{array}{c} \text{---} \\ \bigcirc\bigcirc \end{array}$
Decomposition		$\begin{array}{c} \text{---} \\ \bigcirc\bigcirc \end{array} \rightarrow \begin{array}{c} \text{---} \\ \bigcirc \end{array} + \begin{array}{c} \text{---} \\ \bigcirc \end{array}$
Single Replacement		$\begin{array}{c} \text{---} \\ \bigcirc\bigcirc \end{array} + \begin{array}{c} \text{---} \\ \bigcirc \end{array} \rightarrow \begin{array}{c} \text{---} \\ \bigcirc\bigcirc \end{array} + \begin{array}{c} \text{---} \\ \bigcirc \end{array}$
Double Replacement		$\begin{array}{c} \text{---} \\ \bigcirc\bigcirc \end{array} + \begin{array}{c} \text{---} \\ \bigcirc\bigcirc \end{array} \rightarrow \begin{array}{c} \text{---} \\ \bigcirc\bigcirc \end{array} + \begin{array}{c} \text{---} \\ \bigcirc\bigcirc \end{array}$

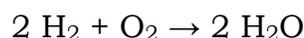
Colors: A = Red, B = Blue, C = Green, D = Yellow

Use colored pencils to circle the common atoms or compounds in each equation. This will help you to determine the type of reaction it illustrates.

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A. Read the chemical equation given below and answer the questions that follow:



- What are the reactants?
- What is the product?
- What is the number "2" in front of the H_2 and H_2O called as?
- Is the reaction balanced?
- How many hydrogen atoms are required to produce two H_2O molecules?
- How many oxygen atoms are required to produce two H_2O molecules?
- How many hydrogen molecules are required to produce two H_2O molecules?
- How many oxygen molecules are required to produce two H_2O molecules?

B. Balance the following chemical equations:

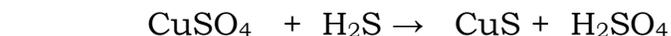
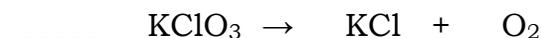
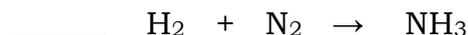
- $\text{Fe} + \text{O}_2 \rightarrow \text{Fe}_2\text{O}_3$
- $\text{H}_2 + \text{Cl}_2 \rightarrow \text{HCl}$
- $\text{Ag} + \text{H}_2\text{S} \rightarrow \text{Ag}_2\text{S} + \text{H}_2$
- $\text{CH}_4 + \text{O}_2 \rightarrow \text{CO}_2 + \text{H}_2\text{O}$
- $\text{HgO} \rightarrow \text{Hg} + \text{O}_2$
- $\text{NH}_3 + \text{H}_2\text{SO}_4 \rightarrow (\text{NH}_4)_2\text{SO}_4$
- $\text{Pb}(\text{OH})_2 + \text{HCl} \rightarrow \text{H}_2\text{O} + \text{PbCl}_2$
- $\text{NaOH} + \text{H}_2\text{CO}_3 \rightarrow \text{Na}_2\text{CO}_3 + \text{H}_2\text{O}$

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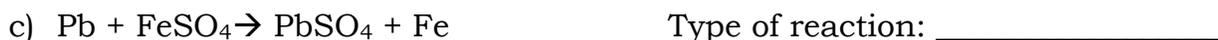
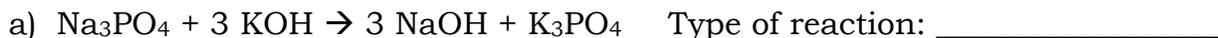
Q1. Balance and classify each reaction using the code given below.

S = Synthesis D = Decomposition SD = Single Displacement

DD = Double Displacement



Q2. Indicate the type of chemical reaction which is represented in the following:



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Social Science

Topic: The Parliament of India



In the parliamentary form of government, the Parliament is the supreme and represents the people. The legislature in the centre is called the Parliament or the Sansad.

Q.1 Prepare a report on the administration of your state giving the following details:

- a) Location of your state
- b) Type of legislature – unicameral/bicameral
(unicameral—having one house of legislature, bicameral—having two houses of legislature)
- c) Composition of the House(s)
- d) Name of the ruling party, the Governor and the Chief Minister

Q.2 Some areas were recognised as states in the year 2000. Choose any one of them and trace its path to statehood. Find out which state it originally belonged to.

Q.3 Multiple Choice Questions:

- a. Which of the following is/are the democratic form(s) of the government:
 - i. Parliamentary
 - ii. Presidential
 - iii. Monarchy
 - iv. Both (i) & (ii)



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- b. In the Parliamentary form of government, which one of the following is the real head of the government:
- Prime Minister
 - President
 - Vice President
 - None of the above
- c. The Parliament consists of the:
- Supreme Court and High Courts
 - Prime Minister and Council of Ministers
 - President, Lok Sabha and Rajya Sabha
 - Legislative Council and Legislative Assemblies
- d. At present, the total number of members of the Lok Sabha is:
- (i) 530 (ii) 545 (iii) 550 (iv) 565
- e. The maximum number of members of the Rajya Sabha can be :
- (i) 238 (ii) 245 (iii) 250 (iv) 545

Q.4 Name five Rajya Sabha members who are well known in their respective fields. Collect and write some important information about them.

Q.5 Match the following key terms with their appropriate meaning.

Terms	Meanings
Constituency	The part of the government that makes the laws
Coalition	A territorial area for conducting elections for a member to the Lok Sabha
Legislature	The post or job of a government minister
Portfolio	A state of uncertainty in the country
Emergency	Joining of two or more parties to make the government