

Class XI A Chemistry

1. Give an example of an acidic buffer.
2. Predict the nature of the salt in aqueous solution : CH_3COONa , KNO_3 .
3. When NaCl is added to the saturated solution of AgCl , what will happen to the concentration of Ag^+ ions ?
4. Write the conjugate acid and conjugate base of HSO_4^- .
5. Describe the effect of (i) effect of H_2 (ii) addition of CH_3OH (iii) removal of CO on the equilibrium state of the reaction $2\text{H}_2 (\text{g}) + \text{CO} (\text{g}) \rightarrow \text{CH}_3\text{OH} (\text{g})$
6. The ionization constant of acetic acid is 1.74×10^{-5} . Calculate the degree of dissociation, concentration of acetate and pH in its 0.05 sol.
7. Classify the following as acids or bases according to the theory of Bronsted-lowry theory 1. NH_3 2. CH_3COO^- 3. H_3O^+ 4. H^-
8. The degree of ionization of 0.1M bromoacetic acid solution is 0.132. Calculate the K_a and pH of the solution .
9. The solubility of $\text{Mg}(\text{OH})_2$ is 8.352×10^{-3} g/L at 290 C . Find the K_{sp} at this temperature .
10. Give relation between reaction quotient and equilibrium quotient for reaction to proceed in the backward reaction.

Class XI physics

1. describe different types of error
2. explain parallelogram law of vector addition
3. what is impulse momentum theorem?
4. what is radius of gyration?
5. what is couple?
6. what is pure rolling?
7. what is parallel axis theorem

Biology

1. Solve the question paper of half yearly in full.

Class XI Holiday homework

Subject: English

1. Solve the Half Yearly question paper in full.(80 marks)
2. Make notes on 2 chapters of Text book & suppl. Reader(1+1) with 5 Q. Ans each
3. Grammer items
 - a. Gap filling – 10 marks
 - b. Editing – 08 marks

शरद कालीन अवकाश -2018

गृहकार्य

कक्षा-11-अ, ब,स विषय-हिंदी

प्रश्न-1-'बस्ते का बढ़ता बोझ' विषय पर फीचर लिखिए ।

प्रश्न-2-खेती करने योग्य जमीन खराब होती जा रही है । इस सन्दर्भ में रिपोर्ट तैयार कीजिए ।

प्रश्न-3- निम्नलिखित में से किसी एक विषय पर आलेख लिखिए-

1-बढ़ती आबादी-देश की बरबादी

2-असम में उल्फा

प्रश्न-4-'आधुनिक शिक्षा प्रणाली' विषय पर निबंध लिखिए ।

XI Mathematics, Holiday Homework

1. Write all formulae of Mathematics Books.

2. Solve Half yearly Question Paper in your Notebook.

3. Discuss two Research of Romanijam.