

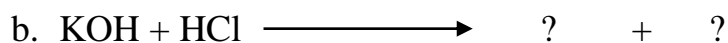
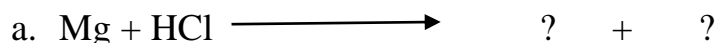
Rayat Shikshan Sanstha's
Yashawantrao Chavan Institute of Science, Satara (Autonomous)
Department of Drug Chemistry
B.Sc. I, Semester II: End Semester Examination
Paper Title- Introducton To Pharmaceutical Chemistry I Paper Code : BDCT 201

Question bank

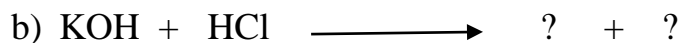
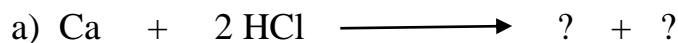
Q. 1 Answer in one sentence

[2Marks]

1. Define buffer capacity
2. What is the role of iron in the human body?
3. Mention the names of Tridosha
4. Write names of pharmaceutically active constituent in turmeric and cumin
5. Write the chemical name and molecular formula of caustic soda
6. Write the chemical name and molecular formula of washing soda
7. write pharmaceutically active ingredient of liquorice and cardamom
8. Mention the names of Triguna
9. What is the use of iodine in human body?
10. Complete the following reactions

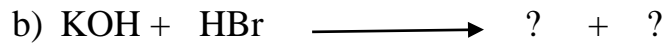
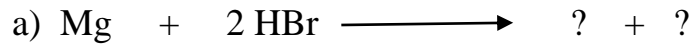


11. What is buffer capacity
12. Write names of pharmaceutically active ingredient of Cinnamon and Clove
13. Write chemical name and molecular formula of baking soda
14. Write names of Tridosha and Triguna
15. Complete the following reaction



16. Define Buffer with suitable example

17. Complete the following reaction



18. Write names of pharmaceutically active ingredient of Cinnamon and Ashwagandha

19. Write use of calcium gluconate

20. Write names of pharmaceutically active ingredient of Bitter melon and Brahmi

21. Write use of ferrous sulphate

22. What is Acidic buffer

23. What is Basic buffer

24. Explain Buffer capacity

25. Eugenol and Withanone are isolated from which medicinal plant

Q.2) Attempt any two from the following questions

[10 Mark]

1. Derive buffer equations for acidic and basic buffer
2. Explain in detail Ashwagandha and Bramhi as ayurvedic medicine
3. Write properties and applications of Iron and Calcium
4. Explain in details Turmeric and Ashwagandha as Ayurvedic medicine
5. Write properties and applications of Calcium gluconate
6. What is acidic and basic buffer derive eqations for the same
7. Explain tridosha in details
8. Explain in details Brahmi and Bitter melon as Ayurvedic medicine

9. Explain acidic and basic buffer with equations for both acidic and basic buffer
10. Explain properties and applications of ferrous sulphate
11. What is the fever of ayurveda ? Explain Ashtang Ayurveda
12. Explain the mutual relationship between Panchamahabhuta – Triguna-Tridosha
13. Write any two methods of Preparation of HCl along with physical & Chemical properties of HCl
14. Write any two methods of Preparation of Ammonia along with physical & Chemical properties of Ammonia
15. Explain uses of calcium gluconate in detail

Q. 3) Attempt any four from the following questions

[5x4=20]

1. Write a short note on pH of neutral or pure water with equation
2. Write methods of preparation of HCl from sodium chloride and from the biproducts (H_2 & Cl_2) of manufacturing of caustic soda
3. Write physical and chemical properties of ammonia
4. Explain Lokpurusha Samya Siddhanta
5. Explain properties of calcium gluconate
6. Explain liquorice as a Ayurvedic medicine
7. Write short note on pH of neutral or pure water with equation
8. Write methods of preparation of hydrochloric acid from sodium chloride and from the biproducts (H_2 & Cl_2) manufacturing of caustic soda
9. Explain watermelon as Ayurvedic medicine
10. Write uses of boric acid and HCl
11. Explain properties of calcium gluconate

12. Define buffer and write in details buffer action of Acetic Acid (CH_3COOH) and Sodium Acetate (CH_3COONa) buffer
13. Define buffer and write in details action of basic buffer NH_4OH & NH_4Cl
14. Write uses of boric acid and HCl
15. Write methods of preparation of HCl from sodium chloride and from the biproducts (H_2 & Cl_2) manufacturing of caustic soda
16. Explain Lokpurusha Samya Siddhant
17. Write properties of calcium gluconate
18. Explain cardiac rhythm of tridosha on the basis of seasons
19. Explain turmeric as ayurvedic medicine
20. Explain cardamom as ayurvedic medicine
21. Explain bitter melon as ayurvedic medicine
22. Explain Haber's Process of manufacturing of ammonia
23. Explain Prakriti the unique identity
24. Write methods of preparation of sodium hydroxide
25. Write uses of ammonia and Sodium hydroxide
26. Explain acidic buffer with derivation
27. Explain basic buffer with buffer equation
28. Define buffer and explain buffer action of acidic buffer
29. Define buffer capacity Explain buffer action of NH_4OH & NH_4Cl buffer
30. Explain samanya vishesh Siddhanta

