

31. Solution having the property of a very little change in pH on adding a small amount of strong acid or base is called

- [A.](#) buffer solution [B.](#) normal solution
[C.](#) standard solution [D.](#) neutral solution

Answer: Option A

32. Addition of CH_3COOH and CH_3COONa gives in water

- [A.](#) Standard solution [B.](#) buffer solution
[C.](#) acidic buffer solution [D.](#) both b & c

Answer: Option D

33. Which one of the following is a buffer solution?

- [A.](#) brine [B.](#) blood
[C.](#) glue [D.](#) solution of CuSO_4

Answer: Option B

34. Solubility of any salt can be determined from

- [A.](#) K_a [B.](#) K_b
[C.](#) K_c [D.](#) K_{sp}

Answer: Option D

35. The pH of human blood is

- [A.](#) 7 [B.](#) 7.35
[C.](#) 7.5 [D.](#) 7.8

Answer: Option B

36. By decreasing the pressure the reaction will go to that direction where

A. volume is decreased

B. volume increased

C. heat absorbed

D. no. of moles of specie decreased

Answer: Option B

37. Equilibrium state is achieved quickly by the addition of.

A. reactants

B. acid

C. base

D. catalyst

Answer: Option D

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