U.G. 1st Semester Examination - 2021

CHEMISTRY
[HONOURS]
Course Code : CHEM-H-CC-P-2
[PRACTICAL]

Full Marks : 20   Time : 2 Hours
The figures in the right-hand margin indicate marks.

1. Answer any **two** of the following: 10×2=20

    a) i)   How does the melting point indicate the purity of a compound?

        ii) Write down a method for the separation of components from a binary mixture.

        iii) Why careful acidification is needed for the precipitation of 4-aminobenzoic acid from its alkaline solution?

        iv) What is seeding?   2+4+2+2=10

    b) i)   What is Denige's reagent?

        ii) Write down a confirmatory test for identifying a white solid as oxalic acid?

        iii) What is Fluorescence test for identifying Succinic acid?

        iv) What is Osazone test for identifying glucose?

        v)   What is oil of winter of green?
                                    2+2+2+2+2=10

    c) i)   What happens when few drops of formic acid is added to a little mercuric chloride solution followed by gently warming?

        ii) What is Iodoform test for ethanol?

        iii) Write down the method and associated chemical reactions of Diazo-coupling test for identifying aniline.

        iv) What happens when chloform is shaken with an aqueous solution of resorcinol and 2-3 beads of solid NaOH?
                                    2+2+2+4=10

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