***70.** Which of the following is/are correct expressions for percent of given element ? [m is mass of organic compound having given element]

(A) $\%\ \text{of P} = \dfrac{62 \times m_{Mg_2P_2O_7} \times 100}{222 \times m}\%$ **(B)** $\%\ \text{of P} = \dfrac{31 \times m_{(NH_4)_3PO_4.12MoO_3} \times 100}{1877 \times m}\%$

(C) $\%\ \text{of C} = \dfrac{12 \times m_{CO_2} \times 100}{44 \times m}$ **(D)** $\%\ \text{of S} = \dfrac{32 \times m_{BaSO_4} \times 100}{233 \times m}$

***71.** Which of the following is (are) correct for the sodium fusion extract of an organic compound containing both nitrogen and sulphur, carried out with excess of sodium ?

(A) On treating sodium fusion extract with sodium nitroprusside, violet colour appears

(B) On treating sodium fusion extract with iron(II) sulphate and then acidification with conc. H_2SO_4 produce Prussian blue colour

(C) On treating sodium fusion extract with acetic acid and lead acetate, a black precipitate is formed

(D) On treating sodium fusion extract with iron (III) chloride blood red colour appears.

72. Which of the following is added to sodium extract before adding silver nitrate for testing halogens ?

(A) HCl **(B)** HIO_3 **(C)** HNO_3 **(D)** $FeSO_4$

73. How much of sulphur is present in an organic compound, if 0.53 g of the compound gave 1.158g of $BaSO_4$ on analysis ?

(A) 10 % **(B)** 15 % **(C)** 20 % **(D)** 30 %

74. Which of the following statement is wrong ?

(A) Using Lassaigne' test nitrogen and sulphur present in organic compound can be tested

(B) Using Beilstein's test the presence of halogen in a compound can be tested

(C) In Lassaigne's filtrate the nitrogen present in a organic compound is converted into NaCN

(D) In the estimation of carbon, an organic compound is heated with CaO in a combustion tube

75. Qualitative test of halogens in an organic compound is made by :

(A) Fleming's test **(B)** Beilstein test **(C)** Bayer's test **(D)** Fehling's test