

1. Choose the correct Answer (5x12)

1. Which one of the following is used as standard for atomic mass.

- a) ${}^1_1\text{H}$ b) ${}^{12}_6\text{C}$ c) ${}^{13}_6\text{C}$ d) ${}^{14}_6\text{C}$

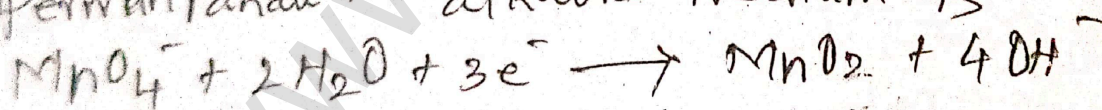
2. Which of the following contain same number of Carbon atoms as in 6g of Carbon.

- a) 7.5g ethane b) 8g methane c) both a & b d) none

3. 7.5g of a gas occupies a volume of 5.6 litres at 0°C & 1 atm pressure. The gas is

- a) NO b) N_2O c) CO d) CO_2

4. The equivalent mass of potassium permanganate in alkaline medium is



- a) 31.6 b) 52.7 c) 79 d) None.

5. The equivalent mass of a trivalent element is 9 g eq^{-1} the molar mass of its anhydrous oxide is

- a) 102g b) 27g c) 270g d) 78g