

# CHEMISTRY

11. (2)

12. (2)

13. (4)

14. (2)

$$2 \text{ days} = 2 \times \frac{24 \text{ h}}{1 \text{ day}} \times \frac{60 \text{ min}}{1 \text{ hr}} \times \frac{60 \text{ s}}{1 \text{ min}} = 172800 \text{ s}$$

15. (4)

16. (1)

17. (1)

$$16 \text{ g of O}_2 = \frac{1}{2} \text{ mole}$$

$$14 \text{ g of N}_2 = \frac{1}{2} \text{ mole}$$

18. (2)

(1) Number of molecules

$$= \frac{2.8}{28} \times N_A = 0.1 \times N_A$$

$$(2) \frac{3.2}{16} \times N_A = 0.2 N_A$$

$$(3) \frac{1.7}{17} \times N_A = 0.1 N_A$$

$$(4) \frac{3.2}{64} \times N_A = 0.05 N_A$$

19. (1)

20. (3)



PARISHRAMA  
NEET ACADEMY