

(Composition of the modern atmosphere)

Q1.(2018)

air

Q2.a)(2019)

**nitrogen
and
methane**

Q2.b)(2019)

nitrogen bar to 78%

oxygen bar to 21%

Q2.c)(2019)

**Titan's atmosphere contains too
little carbon dioxide.**

Q3.(2022)

78.09 (%)

Q4.(2022)

ammonia

methane

Q5.(2023)

20%

Q6.(2023)

$$\begin{aligned} &(\text{mass} =) \\ &\frac{0.25}{100} \times 350 \end{aligned}$$

$$= 0.875 \text{ (kg)}$$

$$= 875 \text{ (g)}$$

alternative approach:

$$350 \text{ kg} = 350\,000 \text{ g (1)}$$

$$\begin{aligned} &(\text{mass} =) \\ &\frac{0.25}{100} \times 350\,000 \text{ (1)} \end{aligned}$$

$$= 875 \text{ (g) (1)}$$