

c) equal to zero

d) equal to 22.4 L

Q2: Under the same conditions of temperature and pressure, how many times faster will hydrogen effuse حة دس لعروق من محص compare to carbon dioxide. (25 degree)

Q3: Calculate the density of carbon dioxide (44 g mol-1) at STP. P= 1 a+100

(25 degree)

Wed\_20/01/2021

**Best wishes** 

Dr Abduljabbar I. R. Rushdi

@21

## NO ANSWER Q225)

Q3) d=?, M = 44 gmot, P= 1 9+m

T= oc + 273K = 273K

PV= mRT

PV= m RT

PM = m RT

PM = m RT

00 PM = dRI

d= PM => d= 14mx449, motor

RT => d= 14mx449, motor

RT => 0-082 atm. L/motor x 273 kg

d= 44 8 0-032 L x 273? > d= 22386 L

os d = 1.9655 3/L