	(FPS)		(40) Fourly only
Physical	Chemistry_Chpt_One_P	roperties of Gases	160
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Name of a student	عَنْ الله الله الله الله الله الله الله الل	ture	No.
University of Mustansiriyah		OM	Semester-2021
Department of Chemistry		CONS	1st Exam-Repeat_1
Q1: Circle the right answer for all of		9 °	(50 points)
1: Calculate the weight of C ₂ H ₄ gas (26 g mol ⁻¹) in a 10000 Cm ³ cyli	nder at 1520 mmHg a	nd 90°C. Wto lab!
Answer: a) 17.47 g ⁻¹ mol ⁻¹	b) 17.47 g ¹ c) 17.4	7 mol (d) 17.	47 g e) 17.47 mg
2: When V _{Real} > V _{Perfect} , this means t		(1)	15
Answer: a) perfect	b) noble (c) real	(12)	Las Vien De
3: The difference between real and	ideal gas equation, that the id	eal gas equation is no	t interested in?
Answer: (a) pgas & ngas	b) V container & Pattraction		d) T _{gas} & p _{gas}
4: Calculate the density of C ₂ H ₄ is pl	aced in a 50000 Cm ³ containe		حرا,ة
Answer: a) 1.16 g ⁻¹ L ⁻¹			6 mg L ⁻¹
5: Graham's law studies the			(a)
	collision c) diffusion	d) effusion	3/2
6: The right formula of the Dalton's	law is?	2003	7 52
1.		c) $p_T = \chi_i \sum p_i$	dlpi & xrpy
7: The law of Corresponding states			CX /
Answer: a) real b) idea	I TO THE REPORT OF THE PARTY OF	d) compressed	e) heavy
able of English of De	9 9 9 77	-3	
8: The total mol fractions of atmosp Answer: a) zero b)	one (c) two	d) three	
Circ.		» ٧ و فارد ف العيل	
9: A gas occupies 30 × 10 ⁻³ m ³ at 75 Answer: (a) 23.5 dm ³	°C and 76 CmHg pressure. Wh b) 23.5 m ² c) 23.5		
To the state of th	القره المالكة		
10: When the value of Z > 1 this me Answer: a) attraction	ans the dominated forces are: b) van der Waal	Crepulsion	d) compression
23/8	فاندوال	Je lu	نونغط
Q2: The following data have been o		own gas at 0 °C. Calc	
molar mass of this gas, and wh	V/dm ³	0.75 0.60 9.33 11.60	0.25 (25 points) 27.50
Q3: A perfect gas undergoes isothe	rmal compression, which red	uces its volume by 1.8	30 dm ³ . The p _f and V _f of
the gas are 197 atm and 2.14 dm ³ ,	respectively. Calculate the po		par, (b) torr. (25 points)
Sun_28/11/2021	With best my wishes	Dr Al	oduljabbar I. R. Rushdi

