| 3-111 | 10 Ouiz | | BO Sinty |
|--|--|---------------------------------------|--|
| MI | Physical_Chemistr | ry_2 nd _YUGS_EV_ST_ | L-100 only |
| | 1 | 25 | |
| Name of a student | is gene | Alla Signature | DAND No.14 |
| | | 10 | |
| Mustansiriyah University | 15 | | M-2025_Bologna_Process |
| Department of Chemistry | 5 | Mid | Exam_Class_A_Paper_C |
| Q1/MCQ test (Answer the follo | 3 | | (Marks 50 %) |
| 9318 | ce white | Comp. | (Marks 30 70) |
| 1: Depression of freezing point | of a solution means | increasing in? | 7 1 |
| Answer: a) T | b) H | OHX DON'S | d) S |
| energi Nièc | | | The second secon |
| 2: If you apply the reduced phas | | systems, then the expected va | 11 0 |
| Answer: 2 zero | b) 1 | c) 2 | d) 3 |
| 2. The state of th | | cite Cas | 1 |
| 3: The reduced phase rule can lead Answer: a) zero | be applied when the h | umber of components is | 1/2 |
| Answer. u) zero | 0)1 | 1 100 | - |
| 1. Which One of the following | formulas vanvasants | the right equation of week | ask obstantial Brooks |
| 4: Which One of the following law? | jormulus represents | the right equation of negat | ive deviation from Raoutt's |
| Answer: a) $P_A^* \neq \chi_A P_A$ | b) $P_A = \gamma_A P^*_A$ | c) $P_A > \chi_A P^*_A$ | $P_A < \gamma_A P^*_A$ |
| المانية المانية الم | and a San | , k | |
| 5: Addition of a non-volatile sol | The state of the s | nt causes a change in? | |
| Answer: a) $\Delta_{mix}H$ | $\Delta_{mix}S$ | c) $\Delta_{mix}V$ | d) all of these |
| on o'll well is | وعنان ١ | Mary My | |
| 6: The difference between pure | and the same | ? | |
| Answer: a) $\mu^* = \mu$ | $\phi \mu^* > \mu$ | 1 | d) $\mu^* \neq \mu$ |
| 2441 des 21 | and an oran | 11.00 | |
| 7: The relationship between ΔT | and XB is? | moonent system | |
| Answer: direct | b) inverse | c) disordered | d) none of these |
| | corel . | and are | |
| 8: With the two-component system Answer: a) A + B | | | f? |
| Answer: a) $A + B$ | b) A +solution | B + solution | CHECKC |
| Or If you add a solute to a solute | A Alexandrania de la constanta | called the | the state of the s |
| 9: If you add a solute to a solver Answer: a) S | b) H | c) T | |
| <u>Miswell</u> u) S | 0)11 | ST A SOUTH TO | μ |
| 10: Dalton's law is used to calcu | ulate the nartied proce | una of phasa? | |
| Answer: a) liquid | gas | c) solid | d) plasma |
| West well will | | | P TT |
| The Π of a solution contain | ning 40 g of an unkn | own substance per 0.5 dm ³ | |
| The same of the sa | Vanish | on a substance per v.3 um | |
| 34.0 °C. Find the molar ma | | 43 | (Marks 25%) |
| 0. | 19 2/5/01/N | weight with | West of a |
| Q3/ Using the diagram below a | | | |
| | | llibria, all reversible and irr | |
| the name of the regions les | | | are since processes, and |

Mo_17-03-2025 With my best wishes Dr Abduljabbar I. R. Rushdi

