

University of Mumbai
Examination 2020 under cluster PCOE (Lead College Short name)

Program: Chemical Engineering

Curriculum Scheme: Rev2016

Examination: Third Semester IV

Course Code: CHC403 and Course Name: CET-II

Time: 1 hour

Max. Marks: 50

For the students:- All the Questions are compulsory and carry equal marks .

Q1.	For an ideal solution, the activity coefficient is:
Option A:	less than 1
Option B:	greater than 1
Option C:	equal to 1
Option D:	equal to 0
Q2.	Excess molal quantities are important in the study of
Option A:	Ideal gases
Option B:	Ideal solutions
Option C:	Non-ideal mixtures
Option D:	A pure component
	Excess molal quantities are important in the study of
Q3.	P-x-y diagram is drawn at
Option A:	Constant temperature
Option B:	Constant density
Option C:	Constant volume
Option D:	Constant pressure
Q4.	If standard free energy change is negative, then equilibrium constant (K) is
Option A:	$K = 0$
Option B:	$K = 1$
Option C:	$K > 1$
Option D:	$K < 1$
Q5.	One tonne of refrigeration is approximately equal to
Option A:	212 kJ / min
Option B:	212 kW
Option C:	211 kW
Option D:	211 kJ / min

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Q6.	
Option A:	
Option B:	
Option C:	
Option D:	
Q7.	
Option A:	
Option B:	
Option C:	
Option D:	
Q8.	
Option A:	
Option B:	
Option C:	
Option D:	
Q9.	
Option A:	
Option B:	
Option C:	
Option D:	
Q10.	
Option A:	
Option B:	
Option C:	
Option D:	
Q11.	
Option A:	
Option B:	
Option C:	
Option D:	
Q12.	
Option A:	

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Option B:	
Option C:	
Option D:	
Q13.	
Option A:	
Option B:	
Option C:	
Option D:	
Q14.	
Option A:	
Option B:	
Option C:	
Option D:	
Q15.	
Option A:	
Option B:	
Option C:	
Option D:	
Q16.	
Option A:	
Option B:	
Option C:	
Option D:	
Q17.	
Option A:	
Option B:	
Option C:	
Option D:	
Q18.	
Option A:	
Option B:	
Option C:	
Option D:	
Q19.	
Option A:	
Option B:	
Option C:	
Option D:	

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Q20.	
Option A:	
Option B:	
Option C:	
Option D:	
Q21.	
Option A:	
Option B:	
Option C:	
Option D:	
Q22.	
Option A:	
Option B:	
Option C:	
Option D:	
Q23.	
Option A:	
Option B:	
Option C:	
Option D:	
Q24.	
Option A:	
Option B:	
Option C:	
Option D:	
Q25.	
Option A:	
Option B:	
Option C:	
Option D:	