

CRM08

Rev 1.10

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<01/04/2021>

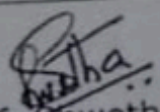
CONTINUOUS INTERNAL EVALUATION - 3

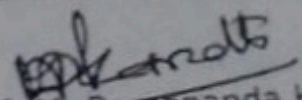
Dept: Chemistry	Sem / Div: I/D,E and F	Sub: Engg.Chemistry	S Code:18CHE12
Date: 07/04/2021	Time:3:00- 4:30pm	Max Marks: 50	Elective:N

Note: Answer any 2 full questions, choosing one full question from each part.

QN	Questions	Marks	RBT	CO's
PART A				
1 a	Explain the sources, effects and any 2 controlling measures of air pollution by i)Nitrogen Oxides ii)Carbon Monoxide	10	L1, L2	CO4
b	Explain the sources, effects and control of lead pollution.	8	L2	CO4
c	What is e-waste? Explain the causes, effects and disposal methods	7	L1, L2	CO4
OR				
2 a	What is solid waste? List the causes and effects. Explain any two disposal methods	10	L1, L2	CO4
b	Explain the sources, effects and any two controlling measures of air pollution by particulate matters.	8	L2	CO4
c	Write a note on i)Acid rain ii)Global warming	7	L1, L2	CO4
PART B				
3 a	Explain the instrumentation involved in flame photometry mentioning the principle and its	10	L2	CO5

	applications.			
b	Write a short note on (a) Graphenes (b) CNTs	8	L1	CO5
c	What are nano materials? List any 5 size dependent properties of nano materials with examples.	7	L1	CO5
OR				
4 a	Explain the instrumentation involved in Potentiometry mentioning the principle and its applications.	10	L2	CO5
b	Explain the Principle behind the variation of conductance in the following titration. (a) Strong acid Vs Strong base (b) Mixture of (strong acid+ weak acid) Vs Strong base	8	L2	CO5
c	Explain Sol-gel process for the synthesis of nano materials with relevant reactions.	7	L1, L2	CO5

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