Reg. No.						



END Semester EXAMINATIONS, NOV/DEC 2020

SUBJECT: INDUSTRIAL POLLUTION CONTROL [CHE-4301]

REVISED CREDIT SYSTEM

Time: 3 Hours MAX. MARKS: 50

Instructions to Candidates:

- ❖ Answer **ALL** the questions.
- Missing data may be suitable assumed.

1A.	What is composting? Clearly explain the mechanism of composting.				
1B.	What is the purpose of settling in wastewater treatment? Explain types of sedimentation tanks.				
1C.	Clearly explain Carbon and Nitrogen cycles with the help of neat diagrams.	4			
2A.	What is solid waste management? How are solid wastes classified?	3			
2B.	With the help of a neat diagram explain the development of a modern landfill.	4			
2C.	Define Hazardous waste. What are the treatment techniques used in controlling these wastes?	3			
3A.	Mention any six functions of the central board of air pollution prevention and control.	3			
3B.	Explain about BOD curve and oxygen sag curve with the help of neat diagrams.				
3C.	Write any three differences between primary and secondary air pollutants.	3			
4A.	Clearly explain the surface water treatment process.	4			
4B.	Explain any two methods for the removal of Mercury from gases.				
4C.	What are the necessary steps in managing biomedical wastes?	3			
5A.	What are the various treatment options for E-waste? Mention any 2 effects of E-waste on human health.	3			
5B.	With the help of a neat flow diagram explain the activated sludge process.	4			
5C.	Explain the determination of COD and any two of its advantages and disadvantages.	3			