## POLYTECHNIC, B.E/B.TECH, M.E/M.TECH, MBA, MCA & SCHOOL

Notes Syllabus Question Papers Results and Many more... Available @ www.binils.com

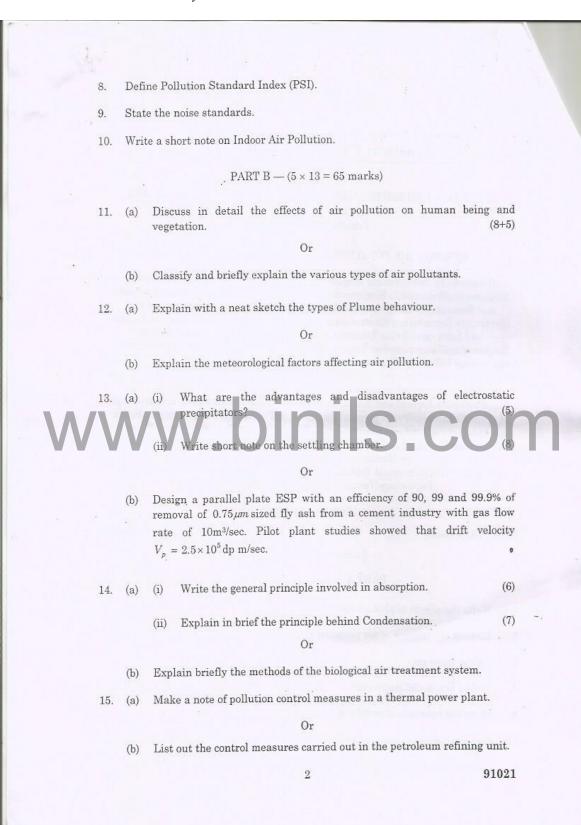
	67
Reg. No.:	
Question Paper Code: 91021	
B.E./B.Tech. DEGREE EXAMINATIONS, NOVEMBER/DECEMBER 2022.	
Fifth/Seventh Semester	
OCE 551 – AIR POLLUTION AND CONTROL ENGINEERING	
(Common to: Aeronautical Engineering/Aerospace Engineering/Agriculture Engineering/Automobile Engineering/Biomedical Engineering/Computer Science and Engineering/Computer and Communication Engineering/Electrical and Electronics Engineering/Electronics and Communication Engineering/Electronics and Instrumentation Engineering/Electronics and Telecommunication Engineering/Environmental Engineering/Geoinformatics Engineering/Industrial Engineering/ Industrial Engineering and Management/Instrumentation and Control Engineering/Manufacturing Engineering/Marine Engineering/Material Science and Engineering/Mechanical Engineering/ Mechanical Engineering (Sandwich)/Mechanical and Automation Engineering/ Mechatronics Engineering/ Medical Electronics/Petrochemical Engineering/Production Engineering/Robotics and Automation/Artificial Intelligence and Data Science/Bio Technology/Chemical Engineering/Chemical and Electrochemical Engineering/Tashion Technology/Food Technology/Handloom and Textile Technology/Information Technology/Petrochemical Technology/Petroleum Engineering/Pharmaceutical Technology/Textile Chemistry/Textile Technology) (Regulations 2017)	m
Time: Three hours Maximum: 100 marks	
Answer ALL questions.	
PART A — $(10 \times 2 = 20 \text{ marks})$	
Write the effects of photochemical smog.	
2. List out the sources of Air pollution emissions.	
3. Define lapse rate.	
4. Define box model dispersion.	
5. State the principle of cyclone filter.	
6. List the control equipment used to remove fine particulate matter.	
7. Mention the environmental legislation for air pollution control.	

## POLYTECHNIC, B.E/B.TECH, M.E/M.TECH, MBA, MCA & SCHOOL

Notes Syllabus Question Papers Results and Many more...

www.binils.com

Available @



## POLYTECHNIC, B.E/B.TECH, M.E/M.TECH, MBA, MCA & SCHOOL

Notes
Syllabus
Question Papers
Results and Many more...

Available @ www.binils.com

PART C —  $(1 \times 15 = 15 \text{ marks})$ 16. (a) Explain the significance of the wind rose diagram. (15) Explain how different atmospheric conditions give rise to a different kind of plume. www.binils.co 91021