

Total No. of Questions – [6]

Total No. of Printed Pages: 1

G.R. No.

~~December 2021~~ ~~APRIL 2022~~ ENDSEM

F.Y.M. TECH. (WREE -CIVIL ENGG.) (SEMESTER-I)

COURSE NAME: AIR POLLUTION CONTROL- Elective I

COURSE CODE: CVPA11204A

(PATTERN 2020)

Time: [2 Hour]

[Max. Marks: 60]

(*) Instructions to candidates:

- 1) All Questions are compulsory
- 2) Figures to the right indicate full marks.
- 3) Use of scientific calculator is allowed.
- 4) Assume suitable data where ever required.

- \Q.1 a) Outline the role of meteorology in air pollution and other atmospheric processes [4MARKS]
 b) Summarize air pollution with its types , causes and effects [6MARKS]
- Q.2) a) Conclude about maximum mixing depth of pollution in atmosphere and to calculate the height of mixed layer [4MARKS]
 b) Explain pollutant transportation mechanism with figure [6MARKS]
- Q.3) a) List the examples of particulate pollutants with its characteristics [4MARKS]
 b) Discuss particulate pollution with its, sources, causes and effects [6MARKS]
- Q.4) a) Discuss in short scrubbers to remove particulate matter with its applications [4MARKS]
 b) Recommend the basic techniques to control gaseous Pollutants, shortly describe any one [6MARKS]
- Q.5) a) Justify how do I know if my house has bad air quality? [4MARKS]
 b) Elaborate indoor air pollution giving sources and causes [6MARKS]
- Q.6) a) Propose ways to reduce harmful emissions from your vehicle & Go Green! [4MARKS]
 b) Elaborate motor vehicle pollution giving examples [6MARKS]