

June 2016

ENVIRONMENTAL ENGINEERING*Time Allowed: 3 Hours**Full Marks: 70*

Answer to Question No.1 is compulsory and to be answered first.

This answer is to be made in separate loose script(s) provided for the purpose.

Maximum time allowed is 45 minutes, after which the loose answer scripts will be collected and fresh answer scripts for answering the remaining part of the question will be provided.

**On early submission of answer scripts of Question No.1,
a student will get the remaining script earlier.**

Answer any five questions from Group-A & B, taking at least two from each group.

1. A. Fill in the blanks: 1x10
- i). The lowest layer of atmosphere is called _____.
 - ii) World Environment Day is observed on _____.
 - iii) TSS stands for _____.
 - iv) Septic tank is an _____ treatment unit.
 - v) WHO stands for _____.
 - vi) ESP stands for _____.
 - vii) CH₄ is known as _____ gas.
 - viii) Hard water is _____ suitable for boiling.
 - ix) _____ waste is a main source of water pollution.
 - x) Noise is expressed in _____ unit.
- B. Answer the following questions: 1x10
- i) Name a disease that is transmitted through soil.
 - ii) What is grey water?
 - iii) What can protect the city life from pollution?
 - iv) What is the most harmful effect of radioactive rays on man?
 - v) Name some arsenic affected districts in West Bengal.
 - vi) Name any two water pollutants.
 - vii) Which item in a city garbage can be recycled?
 - viii) What is the pH of drinking water?
 - ix) What is the full form of WBPCB?
 - x) In which year the Environment Protection Act was passed in India?

Group-A

2. What are the different types of air pollutants? Discuss its effects on plants and animals. 2+(5+3)
3. Describe the pollution problem in a metro city and explain the control management strategies. 10
4.
 - a) Describe various sources of water available in nature for the purpose of public water supply.
 - b) Describe surface water treatment for drinking water. 6+4
5. What is noise pollution? What are the different sources of noise pollution? How a human system is affected by noise pollution? 2+2+6
6.
 - a) What is Green House effect?
 - b) Name all the Green House Gases.
 - c) Write down names of ODS and explain how these make Ozone holes.
 - d) What are the effects of CO on human? 2+3+2+3

Group-B

7. What is B.O.D.? Describe the various types of liquid wastes that are generated in urban area? 2+8
 8. Describe the detail procedure of sewage treatment. Describe the process of trickling filter. 5+5
 9. What is municipal solid waste? Write its average compositions. What are the options available for disposal of solid waste? 2+3+5
 10. Write short notes on (a) Rural Sanitation, (b) Environmental impact assessment (EIA). 5+5
 11. Write short notes on – (a) Air (Prevention and Control of Pollution) Act, 1981, (b) Functions of State Pollution Control Board. 5+5
-

<https://www.wbscteonline.com>

Whatsapp @ 9300930012

Send your old paper & get 10/-

अपने पुराने पेपर्स भेजे और 10 रुपये पायें,

Paytm or Google Pay से

<https://www.wbscteonline.com>