

775**October 2017****Time - Three hours**
(Maximum Marks: 75)

- [N.B: (1) Q.No. 8 in PART - A and Q.No. 16 in PART - B are compulsory. Answer any FOUR questions from the remaining in each PART - A and PART - B
(2) Answer division (a) or division (b) of each question in PART - C.
(3) Each question carries 2 marks in PART - A, 3 marks in Part - B and 10 marks in PART - C.]*

PART - A

1. What are the important aspects of public water supply?
2. How much quantity of water are required for domestic demand and fire demand?
3. Distinguish between plain sedimentation and sedimentation with coagulation.
4. Name the common coagulants.
5. Define the term habitat loss.
6. What are the endemic species in India?
7. Explain the term ozone layer depletion. What are the gases responsible for it?
8. List the man made disasters.

PART - B

9. Write short notes on infiltration galleries.
10. How do you test the pH of water?
11. What are the different forms of chlorination? Explain any one form.
12. Explain briefly about decomposers.
13. What are the aquatic ecosystems? Explain any one.
14. Briefly explain the sources of air pollution.
15. Write short notes on direct benefit from forests.
16. What are the effects of tsunami?

[Turn over.....

PART - C

17. (a) What do you mean by per capita demand? Explain the factors affecting it.

(Or)

- (b) What are the causes and effects of different types of impurities in water?

18. (a) Explain the function of rapid sand filter with suitable sketches.

(Or)

- (b) Briefly explain the different layouts of distribution system.

19. (a) Describe in detail the ecological succession.

(Or)

- (b) Explain the different threats of biodiversity.

20. (a) Explain the function of different equipments to control air pollution.

(Or)

- (b) Describe in detail the effects of noise on people and different noise control methods.

21. (a) Explain the causes and effects of earthquake.

(Or)

- (b) Explain in detail the causes, effects and preventive measures of flood.
