

719

Register No.:

November 2022

Time - Three hours
(Maximum Marks: 100)

- [N.B. 1. Answer all questions under Part-A each question carries 3 marks.
2. Answer all the questions either (A) or (B) in Part-B each question carries 14 marks.]

PART - A

1. What are the salient features of a water supply scheme?
2. What is fire demand? Write the formulae used for calculating fire demand?
3. What are the impurities present in water?
4. What are the chemical tests on water?
5. What are the different layout for distribution systems?
6. Write a note on Radial system.
7. What are the two systems of sanitation?
8. What are the materials used for sewer?
9. Write the types of screens according to size?
10. Mention any three effect of air pollution on materials.

PART - B

11. (a) (i) Draw the flow chart of water supply scheme.
(ii) Explain about agencies responsible for protected water supply?

(Or)

- (b) (i) What are the methods of prediction of population?
(ii) Explain about selection of suitable source for a water supply scheme?

[Turn over..

12. (a) Explain about the physical test for the analysis of water?

(Or)

(b) What are the factors affecting coagulation and function of coagulation?

13. (a) Explain the methods of distribution depend upon topography of the area?

(Or)

(b) Explain in detail about underground and overhead tank.

14. (a) Define sanitation. What is the principle and purpose of sanitation?

(Or)

(b) Explain about the joints in sewer line.

15. (a) Draw flow chart of activated sludge process and explain it.

(Or)

(b) State the limitations of EIA.
