6622
BOARD DIPLOMA EXAMINATION
MARCH/APRIL - 2019
DIPLOMA IN CIVIL ENGINEERING
ENVIRONMENTAL ENGINEERING
FIFTH SEMESTER EXAMINATION

Time: 3 Hours **Total Marks: 80**

PART - A (3m x 10 = 30m)

Note 1:Answer all questions and each question carries 3 marks

2:Answers should be brief and straight to the point and shall not exceed 5 simple sentences

1. List any 3 factors affecting per capita demand
2. List any six points on which the selection of pipe material depends
3. What is EDTA method
4. What is the significance of fluorides in water?
5. List out three objects of Filtration
6. State any three requirements of good distribution system
7. State any three objectives of sewerage works
8. Write any two merits and demerits of basket handle type sewers
9. Define C.O.D & B.O.D
10. What are the different methods of testing drains

PART - B (10m x 5 = 50m)

Note 1:Answer any five questions and each carries 10 marks

2:The answers should be comprehensive and the criteria for valuation is the content but not the length of the answer

11. Explain the procedure of laying pipes and list any five precautions to be taken while laying the pipes?
12. Explain the construction and working of slow sand filter along with a neat sketch
13. a)Write any 5 general principles and precautions in laying pipe lines in building premises
    b) Draw the general layout of water supply arrangements in multi storeyed building
14. a) Differentiate between conservancy system and water carriage system
    b) What are surface drains? List the different types of surface drains with sketches

15. Explain the construction and suitability of cast iron pipes and concrete pipes

16. Explain the method of sewage disposal on land and water

17. List the different principles of treatment of industrial wastes and explain any Two methods

18. Draw the plan of the Layout drainage in single storied building

- xxx -