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SRINIXCOLLEGE OFENGINEERING

1ST INTERNALEXAMINATION-2019-20

Subject-WSSE

Semester-5TH

Branch-CE

FullMarks-50

Time-2.00Hrs

ANSWER ALL QUESTIONS (PART-A)

[2X10=20]

- (1) Discuss various sources of water?
- (2) What do you mean by potable pal at able and whole some water?
- (3)What do you mean by pH of water?
- (4) Define sewerage system?
- (5)Define Hardness and how it is removed?
- (6) Explain water borne diseases?
- (7) What do you mean by coagulation and brief some of the commonly used coagulants?
- (8)What is ion exchange process?
- (9)What are the various methods of disinfection?
- (10)What is chlorine demand?

ANSWER Any three QUESTIONS (PART-B).

(6×3=18)

1. What are the various types of intake?
2. Define physical and chemical characteristics of water?
3. What is a distribution system and what is the basics difference between conservancy systems and water carriage systems
4. Briefly discuss various layout of distribution system.

ANSWER ANY ONE QUESTION (PART-C)

[12×1]

1. The populations of a town in five consecutive decades' are 1lakh, 1.28lakh, 1.4lakh, 1.62lakh and1.9lakh respectively. Find out the population of this town in the sixth consecutive decade according to geometric increase method?
2. A water tank has to be purifying the waterfor a town whose daily demand is 9×10^6 litres per day. Design the suitable sedimentation tank of the water works filled with mechanical sludge remover.Assume the velocity of flow in the sedimentation tank as 22cm/minute and the dentations period as 8hours.

