

QUIZ 1 (EVEN SEM 2021-22)

2021-22

EVEN SEM

Environmental chemistry and waste water management

(MSIC-204)

MM:10

NOTE: ATTEMPT ALL QUESTIONS. EACH QUESTION CARRIES 1 MARK

1. Which of the following is mainly responsible for permanent hardness?
a) CaCO_3 b) CaCl_2 c) CaHCO_3 d) CaCl_2
2. Which of the following is mainly responsible for temporary hardness?
a) CaCO_3 b) CaCl_2 c) CaHCO_3 d) CaCl_2
3. Mechanism of RO is
a) Reverse of osmosis b) Reverse of diffusion c) Both d) none
4. Which of the following hardness may be removed by just boiling
A) Permanent b) Temporary c) both d) none
5. Desalination of water through RO involves application of pressure of order
a) $0-15 \text{ kgcm}^{-2}$ b) $15-40 \text{ kgcm}^{-2}$ c) $40-60 \text{ kgcm}^{-2}$ d) None
6. A common UV sterilization system contains
a) A filter candle b) Activated carbon chamber c) UV sterilization chamber d) All
7. The hardness causing salts can be removed from water by which of the following treatment?
a) Internal b) External c) Both d) None
8. Zeolite are also known as
a) Permutit b) Ziegler Natta reagent c) Carbon black d) None
9. Demineralization is applicable to
a) Only acidic water b) Only basic water c) Both d) None
10. What is the effect of Turbit water on efficiency of demineralization method?
a) Enhanced b) Reduced c) Both d) None