

BHARTIYA INSTITUTE OF ENGINEERING & TECHNOLOGY, SIKAR
DEPARTMENT OF CIVIL ENGINEERING
QUESTION BANK
SUBJECT= ENVIRONMENTAL ENGINEERING-II

1. Describe the rational method for determination of storm water discharge with suitable example.
2. Derive mathematical expression of BOD..
3. A Sample of sewage has 4-day BOD value of 80% of the final at 20°C. Find out the the rate constant.
4. If 7 days 25°C BOD of sewage is 250 mg/l. the rate constant is 0.23/day(base e). calculate 5 days 20°C BOD of sewage.
5. find out the flow velocity and discharge in a circular sewer of diameter 1m, laid at a slope of 1 in 400, when it is running half full.
6. Sketch and explain the working trickling filters.
7. What is meant by anti-Siphonage pipe? Explain its function with a neat sketch.
8. Describe the working of a septic tank with neat sketch
9. sketch and explain the working of s-trap, gully trap, and intercepting trap.
10. Describe the self purification of streams.
11. Explain following term in detail (1) global warming(2)acid rain(3)green house effect(4)ozone depletion