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JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT  
T1 EXAMINATION (SUMMER SEMESTER, JUNE 2018)  
B.Tech. (VIII- SEM.)

COURSE CODE: 14M31CE213  
COURSE NAME: Industrial Wastewater Treatment  
COURSE CREDIT: 3

MAX. MARKS: 50  
MAX. TIME: 2 HR

*Note: Attempt all Questions. Carrying of mobile phones during exams will be treated as case of unfair means. Assume suitable data if required.*

1. Determine the volume of equalization tank from the data given below. (10)

Time period	Volume of wastewater (m <sup>3</sup> )
8-11	22.5
11-14	48.8
14-17	17.9
17-20	35.5
20-23	30.8
23-2	12.8
2-5	19.6
5-8	7.5

2. Define the term 'Industrial Waste Survey'. In this context, briefly describe the process used to carry out the IWS. Explain the importance of the term 'multiplier' in the context of composite sampling process. (10).
3. Explain some of the harmful effluents present in industrial wastes and discuss their effects on the receiving water body. (10)
4. Explain the neutralization technique utilized for acidic waste management. (10).
5. With a neat sketch, explain the principle of Dissolved Air Floatation. (10).

JUIT WAKNAGHAT T1 EXAM, Summer Semester, June 2018