Marking scheme
~~Solution~~

Total No. of Questions – []   Total No. of Printed Pages:

OCTOBER 2018 / IN - SEM (T1)

F. Y. M. TECH. (WREE) (SEMESTER -I)

COURSE NAME: Advanced Water treatment

COURSE CODE: CVPA11184A

(PATTERN 2018)

Time: [1 Hour]   [Max. Marks: 20]

(*) Instructions to candidates:
1) Answer Q.1 OR Q.2, Q.3 OR Q.4
2) Figures to the right indicate full marks.
3) Use of scientific calculator is allowed
4) Use suitable data where ever required

Q.1) Draw layout of conventional water treatment plant [5 marks] and explain the function of each [5 marks]

OR

Q.2) a) Write a short note on characteristics of water [2 marks] and explain any one in detail [4 marks]

b) What are the various population forecasting methods? [Atleast 4 methods- 2marks]. Explain any one in detail [2marks]

Q.3) Define Aeration [2 marks] & Explain the purpose and limitations of aeration in water treatment [purpose [4 marks-minimum 4 points] and [limitations 4 marks - minimum 4 points]

OR

Q.4) what is meant by coagulation? [2 marks] Enlist the common coagulants used. [4 coagulants- 2 marks] Describe any one coagulant along with the chemical reactions. [6 marks]