



Enrolment No. _____

HASMUKH GOSWAMI COLLEGE OF ENGINEERING, VAHELAL

MID SEMESTER EXAMINATION, SEPTEMBER-2016

Subject Code: 2150603

Date: 26/9/2016

Subject Name: ENVIRONMENTAL ENGG

SEM: 5TH Sem Civil

Time: 10:00 TO 10:50

Total Marks: 20

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- QUE.1** (A) 1. Jaundice is caused by _____ 3
2. The D.O. for drinking water is _____
3. Turbidity is mainly caused by _____
- (B) Derive the equation of first stage BOD. 3

- QUE.2** (A) State role of microbes. 3
- (B) Define the terms (a) sullage (b) sewerage system (c) sewage (d) House drainage system 4

OR

- (B) Enlist various ground water sources and explain in detail radial well and infiltration gallery with sketch. 4

- QUE.3** (A) What will be the BOD₅ at 20 C, if BOD₃ at 35 C is 200 mg/l.? $K_{D(20)} = 0.1$ 3
- (B) Describe different systems of plumbing with their sketches. 4

OR

- (A) Discuss in detail bacterial growth in terms of number and biomass. 3
- (B) Calculate the population of a town for following data after two decades by arithmetical increase method & geometrical increase method. 4

YEAR	POPULATION
1980	25000
1990	28000
2000	34000
2010	42000

***** ALL THE BEST *****