

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

M. E. - SEMESTER – I • EXAMINATION – WINTER 2012

Subject code: 711706N

Date: 16-01-2013

Subject Name: Environmental Sanitation

Time: 02.30 pm – 05.00 pm

Total Marks: 70

Instructions:

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

- Q 1 a Explain following (Any Four) : (i) Convulsant carrier, (ii) Endemic & Epidemic, (iii) Host, (iv) Vector and vehicle, (v) Incubation period 7
- b Discuss prevention and control of Epidemic of infectious diseases 7
- Q 2 a Discuss fundamentals of health for housing 7
- b Discuss factors affecting proper aeration (Ventilation) in Residential areas 7
- OR
- b Discuss control of food borne diseases. 7
- Q 3 a Discuss effects of mobile towers on human health. 7
- b Discuss effects of lead poisoning on human. 7
- OR
- Q 3 a Discuss APHA appraisal method for housing. 7
- b Discuss sanitation in Educational organization. 7
- Q 4 a Discuss effects of atomic radiation due to Fukushima disaster. 7
- b Discuss sources of X-Rays and their medical application. 7
- OR
- Q 4 a Discuss effects of UV Radiations on Human. 7
- b Discuss environmental threats from fusion reactors. 7
- Q 5 a Describe Breeder reactor and hazards associated with it. 7
- b Describe safety principals in nuclear power plant. 7
- OR
- Q 5 a Explain Radiation hazard associated with food, water etc. 7
- b Discuss treatment and disposal of Radioactive waste. 7
