GUJARAT TECHNOLOGICAL UNIVERSITY M. E. - SEMESTER – I • EXAMINATION – WINTER 2012

Subject code: 711706N Subject Name: Environmental Sanitation Time: 02.30 pm – 05.00 pm Instructions:

Date: 16-01-2013

Total Marks: 70

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) Convalsant carrier, (ii) Endemic & 7 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 b Discuss factors affecting proper aeration (Ventilation) in Residential areas 7 OR b Discuss control of food borne diseases. 7 7 Q 3 a Discuss effects of mobile towers on human health. b Discuss effects of lead poisoning on human. 7 OR a Discuss APHA appraisal method for housing. 7 Q 3 b Discuss sanitation in Educational organization. 7 7 Q 4 a Discuss effects of atomic radiation due to fukushima disaster. 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 Breader reactor and hazards associated with it. 7 b Describe safety principals in nuclear power plant. 7 OR a Explain Radiation hazard associated with food, water etc. Q 5 7 7 b Discuss treatment and disposal of Radioactive waste.
