

AMAG22 ENVIRONMENTAL ENGINEERING

UNIT-1 IMPORTANCE OF SAFE WATER SUPPLY SYSTEM.

1.1 Domestic water requirements for urban and rural areas.

UNIT-2 SOURCES OF WATER SUPPLY

2.1 Intakes and transportation of water.

2.2 Drinking water quality.

2.3 Indian Standards of drinking water.

UNIT-3 INTRODUCTION TO WATER TREATMENT.

3.1 Importance of sanitation.

3.2 Domestic waste water: quantity, characteristics, disposal in urban and rural areas.

UNIT-4 SEWER

4.1 Types, design discharge and hydraulic design.

4.2 Introduction to domestic wastewater treatment.

4.3 Design of septic tank.

4.4 Solid waste: quantity, characteristics and disposal for urban and rural areas.

UNIT-5 INTRODUCTION TO AIR POLLUTION

5.1 Types of pollutants properties and their effects on living beings.

5.2 ISI standards for pollutants in air and their abetments.

5.3 Imparting awareness of domestic sanitation in women.

Reference Books:

1. Peavy, H.S., Rowe, D.R. and Tchobanoglous, G.C. (1986). Environmental Engineering. Mc Graw Hill Book Co., New York.
2. Rangwala, S.C. (1992). Water Supply and Sanitary Engineering. Charotar Publishing House, Anand.