

IQRA NATIONAL UNIVERSITY PESHAWAR

ASSIGNMENT NO 02

DEPARTMENT OF CIVIL ENGINEERING

SUBJECT:WASTER WATER ENGINEERINGINSTRUCTOR:DR. ENGR NADEEM ULLAHSEMESTER:8TH

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Q1:- soil Pipes and anti-siphon Pipe. Ans: - soil Piper: - soil pipe is a pipe or wasteriater reliably , either From the toild or sink to a soil drain or scover. Necduless to say, there ate many pipes within your home that carry water, but there are just as many that carry waster From your property. Anti-siphon pipes:-An extra pipes outset at prove toidet seats of all the floots, the order end of which is exposed to atmosphere is called anti-syphonage pipe. There ate provided to maintain water seal so that your jases of the sewer line do not Find entry in to the toilet when some one of the toilets in the upper

Hoors is flushed. Ola: - sanitary Fixtures and trap. WI Ans- Sanitary fixtures: A receptable = for industrial 10 ga and Freid scorage that is installed as in homes and public places. 7 Sanitary fixtures ate attached a to the interior systems of water . Pipes and scavarage system and constitute the main dements if a building sanitaxy enfinearing equipment. Sanitary. Fixtures are installed in different axeas. Bathtubs, washstand shower sumps traps and bidets are installed in both 100ms. Toilet bowl, lavatories, and winal of Various types whether equipped with plush tanks or taps. special sanitary fixtures ate Used in medical institutions, laboration, barber shops.

=> Sanitary Traps:- A trap is a == device shaped within a bending pipe path to retain fluid to prevent sever gaser, from entainy building while of allowing waste material to pass through . In oil refinities, traps and used to prevent hydrocarbory and other dargerous sans and Chemical frime, from escarping through drains. and point in a plumbing system where it possible for a monpotable substance to come into contact with the poteble drinking water supply. Common examples of Cross. connection include a fardin hope submarged in a pesticide mixture, a piped connection providing potable feed water to

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industrial Procens, such as a cooling tower, or a submarged outlets it an inisation system. A cross connection is a temperary a potable drinking water system and any source containing non-potable water or other substance From which bade flow may occer. => Backsiphonage: - It is a in a system caused by q negative pressure in the supply piping. Backfordow caused by a : down stream pressure that is Steater than the Upstrem or , supply pressure in a public water system or consumer potable water system. Rack pressure can · result from an increase in down. Stiem presure.