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Section . A
Subject wastewater

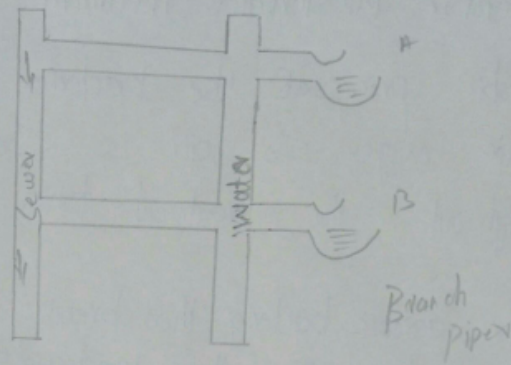
Q1:- Soil Pipes & Anti-Syphon Pipes:-

- ⇒ A Soil pipe is for solid water.
- This type of pipe will carry water & solids in to the sewer.
- ⇒ Soil pipes are high at the top or near to the top of a building.
- ⇒ Soil pipes stacks allow gases produced by waste to vent safely in to the atmosphere.

#> Anti-Syphon Pipes:-

An extra pipe connected to the outlets of toilets, seats of all the floors the other end of which is exposed to atmosphere is called anti-syphon pipes.

- * It is provided to maintain water of sewer so that they do not find entry into the toilet.
- * Water seat of traps in multi-story building or house may get broken due to siphonic action.



Anti-Siphon pipe

Sanitary Fixture:-

Sanitary Fixture is a receptacle for industrial & sewage that is installed in homes & public & industries building. Sanitary fixture is attached to the interior system of water pipes & Sewerage System for main element of building.

It is installed in different areas of bath tubs wash hand Shower Sumps traps & bidet are installed in bathroom washroom & Shower room.

Traps:-

Traps catch water after each discharge from a fixture so as not to allow upstream & obnoxious gases in a sanitary drainage system to escape through the fixture.

All fixture are to be provide with its own trap except for three laundry
→ kitchen Sinks connected to a
Single trap.

Type of trap:-
Depending upon the shape
the trap are classified as
P- Trap
Q- Trap
S- Trap

The depth of trap Seal depend
upon usage of a pipe the trap Seal
various from 25 to 75 mm deep.

→ Cross Connection:- A connection in a plumbing
installatin through which water may possibly
pass to or core in contact with
another part as a water inlet in a
bath tub that may at times be below
the wastewater level of the tube.

⇒ Back Siphonage Control:-

Back Siphonage is one type of back flow. Back Siphonage is the flowing back of used, contaminated or polluted water from a plumbing fixture or vessel into a potable water supply because of negative pressure in the pipe. Branch — any part of the piping system other than the main, riser or stack.