## [I)nil-ou] [Answer No.-04(a)]

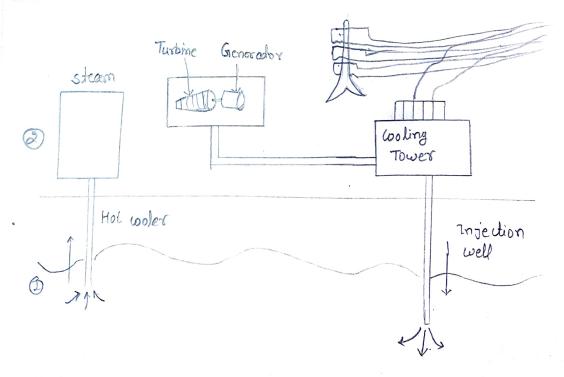
## lifferent sources of GEO thermal energy:

- 1 Hydrouthermal connective system
  - @ vapour dominated or any stream fields
  - 6 liquid dominated System
  - O Hot water field
- a herrissure resources
- (B) Petro thermal or Hot dry rocks
- 4 magma sources
- 5 volconels

[Answer NO.-04(b)]

Geothermal former plant: At a geothermal power plant, wells are drilled 1 or 2 miles duep into the earth to pump steam or not water to swiface.

This type of power plant in liquid is an aroa that has a lot of heat springs, gaseous or volenic acitivity, becauses there are places where the earth is particularly not just below the surface.



- working of geothermal power plant:
- O Hot water is pumped from deep underground shrough a well under high pressure.
- 1 when the water treaches the swiface, the prossure is dropped which causes the water to turn into steam.
- 3 The steam spring twikine, which is connected to a generalor that procedures electricity.
- 1 The Hearn cools off in a cooling terver and condenses back to water.
- (5) The cooled water is pumped back into the earth to begin the process again,

## Types of cheothermal power plant:

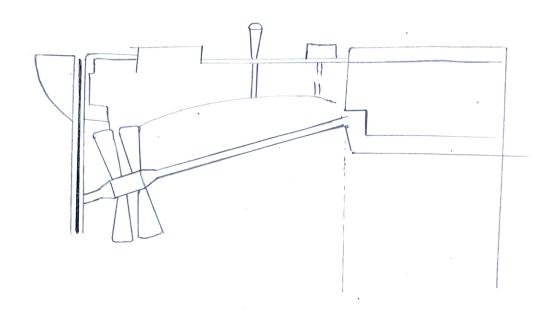
- are primarily steam. The steam goes directly to a furbine which drives a generator that producers electricity.
- (b) Flash and double flash yele:

360° f can be used in flash plants to make electricity.

O Binary ycle:-

most geothermal areas contains moderate temperature water (below 400°F), energy is extracted from there fluids in kinary the power plants.

most geothermal power plant in fature will be kinary will power plant.



The main components of a stidal power plant as one shown in above figure:

a borrier between sea and barrier.

DSucce ways for filling!— There are gate controlled delices, They are used to fill basin during the high tide or empty the basin during law tide.

- 3 Basin
- 1 Duch
- (3) Turkine
- @ Chemerator writes

Turbine and generally are bigh & main components of power house,

Turbine installed in borrage walls generate power as water flow in and out of country basin, when tide fails water behind the borrage is held in the collary the water is then neteated, flowing, several terming a turbine and generator which creates electricity.

later when the fields rises, it will be held back in the bournage is held the ceshway, the water in then oreleased flowing back into esclosing flowing through another witine and allowing. The electricity producing problem be orepeated.