- 5.3 Methods for drilling Deep Wells
- \longrightarrow Cable tools Methods \longrightarrow percussion M
- Rotary Methods Table 5.3.2

Standard specification Fig 5.3.1-

Cable tool methods (percussion methods)

Fig 5.3.3

Rotary Methods (Fig 5.3.5)

air rotary Methods

Rotary – percussion Methods

Reverse – Circulation Rotary Methods

5.4 Well completion

placement of casing --- materials

cementing of casing

placement of well screen —diameter Table 5.4.1

gravel packing Table 5.4.4 Table 5.4.2 velocity

5.5 Well development

Pumping

Surging

Surging with air

Back washing with air

Hydraulic Jetting

Chemicals

Hydraulic Fracturing

Explosives

Exercise

Assumed a discharge for well design.

Show (a)the calculation procedure and (b)the design values to meet with the discharge required.

Discuss also ©the construction method to be used.