

3 (a) Fig. 3.1 shows a Sankey diagram for the power transfer in a coal-fired power station.

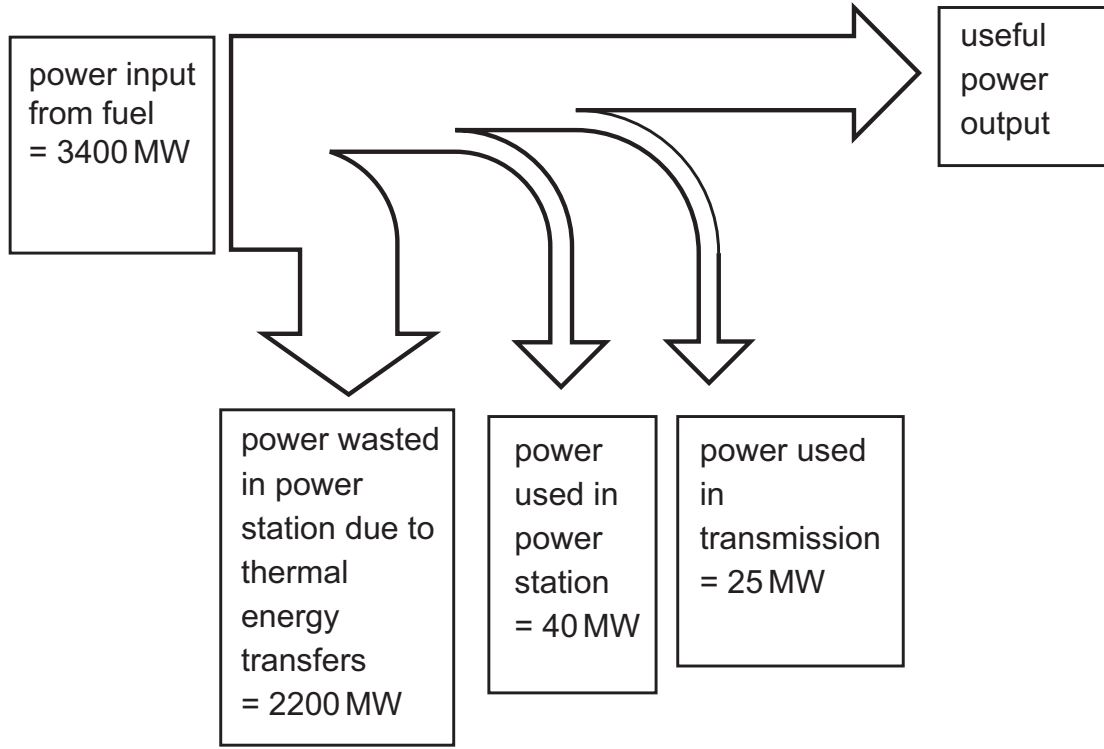


Fig. 3.1

(i) Show that the useful power output from the power station is approximately 1100 MW.

[2]

(ii) Calculate the efficiency of the power station.

efficiency = [2]

(b) Describe how useful energy may be obtained from geothermal resources.

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..... [2]