9.1 (a)(i) second daw of thermodynamics and ets il Le chatter's prénciple and the effect as concentration, temperature on equilibrium. (b) Describbe the term entropy and write (c) Estimate who amount of change in internal energy by 2000 T of heat cleanes the system and 2500 T of work is done on the System. (iii) Molar. conductaince (iv) Equivalent conductance (b)(9) weste faraday's first law of electrolysis (ii) calculate the mass of copper deposited of the cathodise if a solution of curson is electrolyzed by passing 1.5 ampère covrent jos 10 minutes.

(Moleur mass of up = 63.546) (c) write a note on Electrolytic refining.

J.3a) Explain constrouction, working advantages and disadvantages of Nr-metal hydride bottory. (b) Explain the following terms. (c) Write advantage and désadaantages of li-io ergn.