A 27 year old woman is brought in by housemates to your tertiary ED. She had been not seen for 2 days and was found beside her bed slumped on the floor.

Her observations are:

GCS 13

P 128 /min

BP 95/50 mmHg

T 34.7 °C

Her biochemistry shows:

Sodium 136 mmol/L 137-145

Potassium 4.0 mmol/L 3.2-5.0

Chloride 92 mmol/L 98-111

Bicarbonate 23 mmol/L 22-31

Urea 23.2 mmol/L 2.5-7.5

Creatinine 424 μmol/L 60-110

Est. of GFR 15 mls/min >90

Glucose 3.6 mmol/L 3.5-5.5

Osmol-calc 292 mmol/L 280-300

Bili Tot. 10 umol/L 2-20

ALT 720 U/L <55

AST 150 U/L 5-50

ALKP 89 U/L 20-110

GGT 23 U/L 15-73

CK >103000 U/L 20-200

CRP 1.2 <10

a. What are the 3 most important abnormalities on the biochemistry? (3 marks)

b. List the principles of your fluid management. (4 marks)

c. List 6 differential diagnoses. (6 marks)