Candidate number	
------------------	--

Question 4 (12 marks)

A 55 year old Female with PMH of CCF and DM, is brought to your emergency department by ambulance with vomiting and drowsiness.here is no clinical signs to suggest trauma. Her Vital signs are:

BP	95/60	mmHg
HR	110	bpm
RR	28	bpm
O2Sat	94%	ŔA
T	37	deg celsius
GCS	14	(E3V5M6)

Her venous blood gas is shown in PROPS BOOKLET; PAGE 6.

a) What is the likely explanation for these gas results in this patient (2 marks)

1	Sepris	Ces. Prevmonia)
		/	

Intracronial Holmortoge

AMI

Gastrointerbinal Phil laves (Gastroenteritor)

Mypergly coenic State (MMS/DKA)

b) Is anion gap normal or abnormal? show your calculation. (2 mark)

Abnormal - elusted

144 - (90 + 19) = 35

Question 4 (continued)

c)	Calculate	the Ar	proximate	Delta	Gan	and	show	vour	calculation.	(2	marks)
٠,	Cuicuiate	uic i i	prominate	Doim	Cup	4114	DIIO "	1000	••••	'-	,

 $\triangle AG/\Delta U(0) = \frac{35-12}{24-19} = \frac{23}{5}$

× 4.5

d) What acid base disturbances does the Delta gap suggest? (1 mark)

DG > 2 = concurrent metabolic

MTalosis.

e) List Four (4) expected changes with the ECG for Hypokalaemia.(4 marks)

1. Pented P wove

2. Inlanged PR interval

3. St dynnia

4. Broad Flat I wore

· U wore

. QT prolongation

. signiventiala / ventiala anhythuia

Question No	4
Total mark	/1
Pass mark	
Candidate No)	Raw Mark (green = pass)
2	
	10/11.
3(Absent)	
4	6/11
5	9/11
6	6/11
7(Absent)	
8	7/11
9	ulu
10	7/11
11	5/11
12	7/11
13	
14	7/4
	7/11
15	7/4
16	10/11
17	8/11
18	7/11
19	10/11
20	3/11
21	7/11
22(Absent)	
23	8/11
24	6/11
25	6lu
26	6/4
27	6/11
28(Absent)	
29	2/11
30	8/11
31	6/11 7/11 7/11 9/11
32	7/11
33	7/11
34	alu
35	9111

Mark	Number of candidates
0	20
0.5	
1	
1.5	
2	1
2.5	
3	2
3.5	
4	1
4,5	
5	1
5.5	
6	7
6.5	
7	10
7.5	
8	3
8.5	
9	2
9.5	
10	3
10.5	
11	ı
11.5	
12	
12.5	
13	
13.5	
14	
14.5	
15	
15.5	
16	
16.5	
17	
17.5	
18	

