

## Adult Nurse Recruitment

### Medicines Management and Numeracy Assessment

#### **Paper 4 (Practice)**

#### **Answer Template**

<b>Pass marks</b>		
<b>Conversions</b>	<b>Medicines Management</b>	<b>Nursing Practice Numeracy</b>
80% or more 4 out of 5 or more	100% 10 out of 10	80% or more 8 out of 10 or more

Part 1 – Conversions			
Q	Working out	Answer	Marks
1	$1850 / 1000 = 1.85$	1.85 litres (grams)	1
2	$0.4 \times 1000 = 400$	400 mcg (micrograms)	1
3	$2000 / 1000 = 2$	2 mg (milligrams)	1
4	$1.2 \times 1000 = 1200$	1200 mg (milligrams)	1
5	$160 / 1000 = 1.6$	0.16 g (grams)	1
		<b>Total Marks</b>	<b>5</b>
		<b>Pass Mark</b>	<b>4 / 5 80%</b>

Part 2 – Medicines Management			
Q	Working out	Answer	Marks
6	$30 / 15 = 2$	2 tablets	1
7	$500 / 250 \times 5 = 10$	10 mL (millilitres)	1
8	$0.75 / 0.5 \times 2 = 3$	3 mL (millilitres)	1
9	Convert to same denomination = $0.5 \text{ g} \times 1000 = 500 \text{ mg}$ $500 / 500 \times 1 = 1$	1 tablet	1
10	$150 \times 75 = 11250$	11250 mg (milligrams)	1
11	$75 \times 2 = 150$	150 mg (milligrams)	1
12	$250 / 250 \times 1 = 1$	1 ampoule (1 mL)	1
13	$17000 / 18000 \times 0.9 = 0.85$	0.85 mL (millilitres)	1
14	$300 / 3 = 100$	100 mL per hour (millilitres)	1
15	8 hours = 480 minutes (60 x 8) $1000 / 480 \times 20 = 41.66$	42 dpm (drops per min)	1
		<b>Total Marks</b>	<b>10</b>
		<b>Pass Mark</b>	<b>10 / 10 100%</b>

### Part 3 – Nursing Practice Numeracy Questions

Q	Working out	Answer	Marks
16	Urine output = 930 mL, Bowels output = 240 mL Total output = 930 + 240 = 1170 mL	1170 mL (millilitres)	1
17	Total input = 185 mL (oral), 650 mL (IV) = 835 mL Input - output = 835 - 1170 = -335 mL	-335 mL (millilitres)	1
18	5.2 mmol is within the 5 – 7.9 range = 1.5	1.5 mL per hour (millilitres)	1
19	1 litre = 1000 mL so 1000 / 100 = 10	10 hours	1
20	Feed starts at 7pm; stopped at 8pm for 4 hours (2 hours break prior to warfarin at 10pm and 2 hours post administration); feed restarts at 00:00hrs (midnight) for remaining 9 hours; feed completed at 9am	9am	1
21	Male = 1 Age 78 = 4 Major Surgery on table >2 hours = 5 Bedbound = 4 Catheterised = 0 Weight loss unsure of amount = 2 Eating poorly = 1 Average BMI = 0 Dry skin = 1  Total = 1+4+5+4+0+2+1+0+1 = 18	18	1
22	Circle "High Risk"	High Risk	1
23	Pulse – 78 = 0 Temp – 38.2 °C = 1 BP systolic – 188 = 0 Respiratory Rate – 20 = 0 AVPU – Voice = 3 SATs – 93% = 2 Inspired oxygen – Air = 0  Total = 0+1+0+0+3+2+0 = 6	6	1
24	ViEWS score = 6 so observations due in 4 hours from 02:15hrs	02:15hrs (2:15am)	1
25	Age – 80 years+ = 3 Type of Admission – Social = 5 Current Admission – Moderate Change = 5 Previous Admission – None in last 3 months = 0 Social/home circumstances - Lives with spouse/partner = 1 Type of home – Upstairs toilet / bathroom only = 3 Mental state – No history of mental health condition = 0  Total = 3+5+5+0+1+3+0 = 17	17	1
		<b>Total Marks</b>	<b>10</b>
		<b>Pass Mark</b>	<b>8 / 10 80%</b>