Question	Answer	Marks	AO Element	Notes	Guidance
1(a)	160 (mm) (1) 242 – 82 (1)	**2**			
1(b)	920 (mm of mercury)	**1**			
2	7.20 (s)	**1**			
3(a)	21 (cm^3)	**1**			
3(b)	0.2(0) (cm^3) (1) (average volume of one drop) = 4(.0) / 20 (1) (volume = 25 – 21 =) 4(.0) (cm^3) (1) total volume = number of drops (average) × volume of one drop (1)	**4**			
4	84 (cm^3)	**1**			
5	24 (cm^2) (1) (area in contact with ground) = length × width **OR** 12 × 2(.0) (1)	**2**			

Question	Answer	Marks	AO Element	Notes	Guidance
6	0.11 (mm) (1) (average thickness =) 29 ÷ 270 (1) (average thickness =) total thickness ÷ number of sheets (1)	**3**			
7(a)	metre rule	**1**			
7(b)	50 (m)	**1**			
8(a)	226.5 (s) (1) 180 (+ 46.5 =) (1)	**2**			
8(b)	1.1 (s) (1) time for one drop = total time ÷ no of intervals (1)	**2**			
9	0.3(0) (cm^3) (1) (average volume of one drop) = 60 ÷ 200 (1) total volume = number of drops × (average) volume of one drop (1)	**3**			
10	measuring cylinder	**1**			
					[Total: 25]