

Q.# /Part #	Criteria	Level 1 (Marks)	Level 2 (Marks)	Level 3 (Marks)	Level 4 (Marks)	Level 5 (Marks)
	Formula	Correct formula (using Bernoulli's equation) (1)	Partially correct (0.5)	Wrong answer (0)		
	Calculation	Correct calculation (2)	Partially correct (1)	Wrong answer (0)		
5 (a)	Definition of Doppler's effect	Correct definition (1)	Partially correct (0.5)	Wrong answer (0)		
	<b>Special cases of Doppler's effect</b>	<b>Explaining any two cases correctly using maths and diagrams. (4)</b>	<b>Partially correct any two cases e.g. without diagrams etc. (3)</b>	<b>Explaining any one case correctly (2)</b>	<b>Some relevant information (1)</b>	<b>Wrong answer (0)</b>
5 (b)	Calculation of volume	Correct calculation (1)	Partially correct (0.5)	Wrong answer (0)		
	Uncertainty in volume	Correct calculation showing $\% \Delta r$ , $\% \Delta V$ and absolute uncertainty in V in answer(3)	Partially correct (2)	Some correct mathematical steps (1)	Wrong answer (0)	
5 (c)	Data	Extraction of correct data (1)	Partially correct (0.5)	Wrong answer (0)		
	Calculation of Efficiency	Correct calculation (1)	Partially correct (0.5)	Wrong answer (0)		
	Calculation of Q1	Correct calculation (1)	Partially correct (0.5)	Wrong answer (0)		
	Calculation of Q2	Correct calculation (1)	Partially correct (0.5)	Wrong answer (0)		

~~Abhishek~~  
15/7/22

~~Abhishek~~  
19/7/22