

Sound – 2019 Nov

1. 0625/11,12,13/O/N/19/No.26

A man hears a starting pistol fire 1.5 seconds after he sees a puff of smoke from the pistol. The sound and the smoke are made at the same time. The starting pistol is 450 metres away from the man.

What is the speed of sound calculated from this observation?

- A** 150 m/s **B** 300 m/s **C** 330 m/s **D** 625 m/s

2. 0625/21,22,23/O/N/19/No.25,26,25

Which row gives a possible set of values for the speed of sound in ice, in water and in steam?

	<u>speed of sound in ice</u> m/s	<u>speed of sound in water</u> m/s	<u>speed of sound in steam</u> m/s
A	500	1500	4000
B	1500	4000	500
C	4000	500	1500
D	4000	1500	500