

JEE MAIN WAVES — BEATS — PYQS

Max. Marks: 8
Questions: 2

Section A (MCQ) — 1 question

- Q.1** Two harmonic waves moving in the same direction superimpose to form a wave $x = \cos(1.5t)\cos(50.5t)$ where t is in seconds. Find the period with which they beat. (close to nearest integer) [JEE Main 2025 (Online) 7th April Morning Shift]
- (1) 1 s (2) 4 s (3) 2 s (4) 6 s

 Scan or tap for the
full solution


Section B (Numerical) — 1 question

- Q.2** Two tuning forks A and B are sounded together giving rise to 8 beats in 2 s. When fork A is loaded with wax, the beat frequency is reduced to 4 beats in 2 s. If the original frequency of tuning fork B is 380 Hz then original frequency of tuning fork A is _____ Hz.

[JEE Main 2026 (Online) 28th January Evening Shift]

 Scan or tap for the
full solution


ANSWER KEY

Section A (MCQ) — 1 question

Ques.	1												
Ans.	3												

Section B (Numerical) — 1 question

Ques.	2												
Ans.	384												