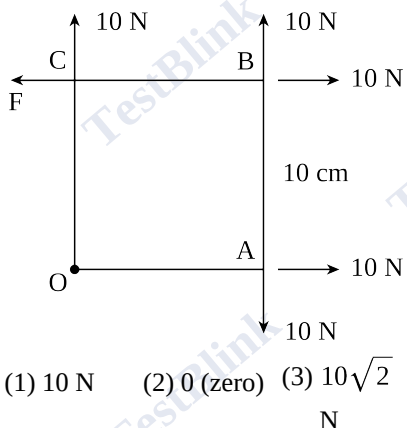


JEE MAIN SYSTEM OF PARTICLES AND ROTATIONAL MOTION — EQUILIBRIUM OF A RIGID BODY — PYQS

Max. Marks: 8
Questions: 2

Section A (MCQ) — 2 questions

- Q.1** A square lamina OABC of length 10 cm is pivoted at 'O'. Forces act at lamina as shown in figure. If lamina remains stationary, then the magnitude of F is : [JEE Main 2025 (Online) 2nd April Morning Shift]


 Scan or tap for the
full solution


- Q.2** A uniform rod of mass 250 g having length 100 cm is balanced on a sharp edge at 40 cm mark. A mass of 400 g is suspended at 10 cm mark. To maintain the balance of the rod, the mass to be suspended at 90 cm mark, is

[JEE Main 2025 (Online) 28th January Evening Shift]

- (1) 290 g (2) 200 g (3) 190 g (4) 300 g

 Scan or tap for the
full solution


ANSWER KEY

Ques.	1	2												
Ans.	1	3												