3. Hydrostatic Forces on surface.

1. In Case of Rectangular Lamina with side in liquid Surface having depth h, the depth of Pressure will be. (SSC JE-07)

a) $\frac{2h}{3}$ b) $\frac{h}{2}$ c) $\frac{3h}{2}$ d) $\frac{h}{3}$

2. The Ratio of Pressure Between two Point A & B at depth ·5m & 2m Below the level of Water in a tank is. (SSC JE-14)

a) 1:1   b) 1:2   c) 1:4   d) 1:16

3. A Rectangular tank of Square cross-section (2m x 2m) and Height 4 m is fill up with Liquid. The Ratio of Hydrostatic force on any vertical wall to its Bottom is. (SSC JE-13)

a) 2   b) 1·5   c) 1   d) ·5

4. A Square Surface 3m x 3m lies in a vertical line in water with its upper edge at water surface. The Hydrostatic force on square Surface is. (UPRVUNL-AE-14)

a) 28000 kg   b) 13 500kg   c) 17,000 kg   d) 21,350kg

5. If w Fluid specific weight, h depth then Pressure Intensity on Surface. (SSC JE-14)

a) $\frac{h}{w}$ b) h   c) w·h   d) $\frac{w}{h}$

6.

1)- a-   3 -c   5- c.
2- c   4-b