(D) 0.5

CIVIL ENGINEERING

-1.	Poisson's ratio of steel is taken as			
	(A) 0.17	(B) 0.25	(C) 0.3	(D) 0.5

(B) 0.25

- 2. A point in a body consists of linearly elastic material, subjected to stress 100N/mm2 & 60N/mm2 along major and minor axis. The maximum shear stress is equal to
 - (A) 100N/mm²

Poisson's ratio of steel is taken as

(B) 80N/mm²

(C) 60N/mm²

(D) 20N/mm²

- 3. A thin cylinders 200mm diameter, closed at ends subjected to internal pressure of 10N/mm2. What is the maximum shear stress that occurs in wall of the cylinder if thickness of wall is 5mm.
 - (A) 200N/mm2

(B)150 N/mm²

(C) 50N/mm²

(D) 25N/mm²

- 4. A simple supported beam of span / carries a gradually varying load, zero at supports and w/m at mid span the maximum BM at mid span is

- A cantilever beam of constant El & Span /, subject to an u.d. I of w/m for full 5. span, the vertical deflection at free end is
 - (A) 5 4 WI 284EI

(B) wl4
48EI

(C) w14 8EI