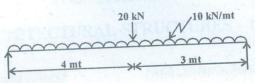
No. of Pri	nted P	ages: 03	Shear louve is max	- (b) 1 -
Following	Paper I	D and Roll No. t	to be filled in your Ans	swer Book.
PAPER	ID:	0103 Roll No.	Copilation conserva-	
01=2×0 B.	Arc	h. Exami	nation 2019	-20
		(Odd Se	mester)	
All wall was	RCHI	TECTURAL	STRUCTURES	- I
Time: Th	ree H	-	[Maximum]	
Note:-	(i)		o. 1 is compulsor estion out of rema	
	(ii)	Credit shall b	be given to neat dra	awings.
	(iii)	Be precise in	your answer.	
1. Atte	npt al	1 parts of the	following:	2×5=10
(a)	If eccentric load is applied at any section, what will be its effect?			
(b)	Poission's ratio is			
(c)	Shape of B. M. D. is triangle forload.			

- (d) Shear force is maximum at end inbeam.
- (e) Coplanar con-current force system means
- 2. Attempt any two parts of the following: $2 \times 5 = 10$
 - (a) Find C. G. of tabular section.
 - (b) What do you mean by Elastic Materials?
 - (c) Discuss how you will calculate M. O. I by first principle?
- 3. Attempt any two parts of the following: $2 \times 5 = 10$
 - (a) Explain Hook's law for mild steel.
 - (b) Explain Lami's theorem. How the temperature stresses are introduced in any structure?
 - (c) For the fixed support, what are the number of support reactions?
- 4. Attempt any one part of the following: $10 \times 1 = 10$
 - (a) Find resultant at point A and define force system:



(b) Find the theorem of couples.

- 5. Attempt any one part of the following: $10 \times 1 = 10$
 - (a) What are the various conditions of equilibrium for any structure?
 - (b) What is perpendicular axis theorem.
- 6. Draw the S. F. D. and B. M. D. diagram of following beam:



KKK