

Total No. of Questions – [3]

Total No. of Printed Pages[2]

G.R. No.	
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paper code: U239-113(T1)

OCTOBER 2019/ INSEM (T1)

S. Y. B. TECH. (CIVIL) (SEMESTER - I)

COURSE NAME: MECHANICS OF STRUCTURES - I

COURSE CODE: CVUA21183

(PATTERN 2018)

Time: [1 Hour]

[Max. Marks: 20]

(*) Instructions to candidates:

- 1) All questions are compulsory
- 2) Figures to the right indicate full marks.
- 3) Use of scientific calculator is allowed
- 4) Use suitable data where ever required

			M	CO	BL
Q1)	a)	Definition -2marks $\sum fx, \sum fy$, -2marks each R, α - 1 mark each	[08]	1	1
	b)	$\sum fx, \sum fy$, -2marks each R, α - 1 mark each, Point of appli- 2marks	[08]	1	1
Q2)	a)	Types of supports-2marks Fbd-2marks RA-2marks RB-2marks	[08]	2	2
	b)	Fbd-2marks N2-2marks N3-2marks P-2marks	[08]	2	3
Q3)	a)	Centroid(x)- 2marks Centroid(y)- 2marks	[04]	3	1
	b)	Ixx-1mark Kx-1 mark Iyy-1marks Ky-1 mark	[04]	3	1

Level-1-Low

Level-2-Medium

Level-3-High