

Name:.....

Number:.....

Birzeit University - Faculty of Engineering
Department of Civil Engineering
Structural Steel Design – ENCE 437, Exam 1

Instructor: **Dr. Munzer Barakat**

2nd Semester 2020/21

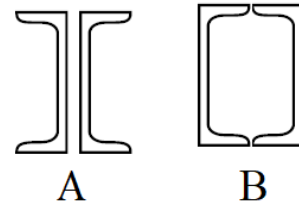
Question 1 (16 marks)

Comment on / Explain the following (no more than 4 lines of text and sketches).

(a) Virtually most tension members can reach the yield stress. Regardless of connection type, compression members cannot achieve that stress.

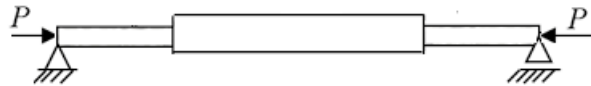
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(b) Which configuration is better for the built-up compression member? Explain



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(c) What is the justification for the configuration of the member shown in the figure?



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(d) Requirement that slenderness of tension members not exceed 300 is not applicable to cables and rods.

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