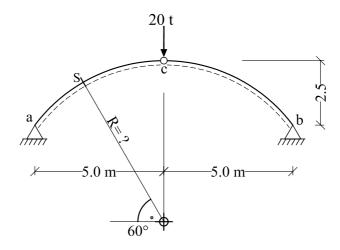
Higher Technological Institute Civil Engineering Department 6<sup>th</sup> of October Branch



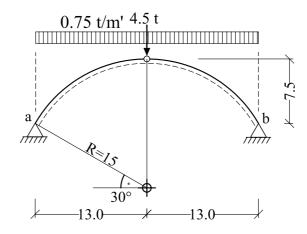
Structural Analysis (II)
Dr. M. F. Abdel-Mongy
Sheet (8)
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1) For the following circular Arch, derive the internal forces equations (N, Q & M) for part a-c and hence find its values at the marked section (S).



2) Draw the NFD,SFD and BMD for the following Circular Arch.



3) Draw the NFD,SFD and BMD for the following Parabolic Arch.

