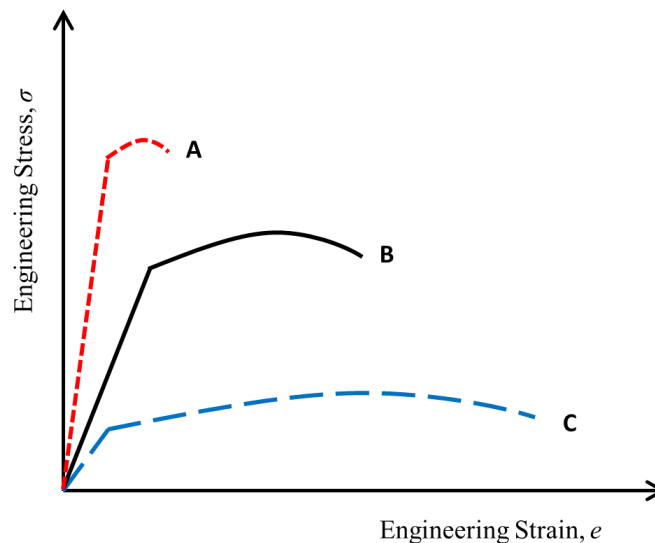
 <b>Universiti Malaysia PAHANG</b> <small>Engineering • Technology • Creativity</small>	Name	:	_____
	ID No.	:	_____
	Group	:	_____
	Section	:	_____
	Submission date	:	_____
Module No/Name	:	3/ Mechanics of Materials	
Quiz duration	:	15 minutes	
Total Marks	:	20	

**Answer the following questions**

- Figure M3** shows tensile testing result of three different materials A, B and C. Based on the figure, rank (from highest to lowest) the materials properties based on **ductility**, **toughness**, and **stiffness**. Explain your answer. **(15 Marks)**
- Based on the condition of impact testing, mention three factors that can promote brittle fracture in mild steel. **(5 Marks)**



**Figure M3. Tensile test of different materials**