Rigor And Reproducibility Final

Please fill out all answers for the final exam for Rigor and Reproducbili higher is required to pass.	ty. This exam is pass/fail and a grade of 80% or	
Name		
KID/NetID		
Compare and contrast computational reproducibility and experimental replicability.		
Choose one issue related to experimental replicability, explain what it is, and how it impacts replicability.		
Describe one aspect of research data management and how it is important for reproducibility/replicability?		
4) Perform a comprehensive literature search in PubMed that combines synonyms (e.g. (term1 OR term2 OR term3) AND (otherTerm1 OR)) on the following topic: What is the impact of smoking on the oral microbiome with regards to cancer?		
4a) Enter the exact search you put into the system:		
4b) Enter the number of results (hint: if you get very few hits (e.g. under 5) or very many hits (e.g. over 1000) there is probably an error.		
5) Smokeless tobacco impacts oral microbiota in a Syrian carcinogenesis model https://www.ncbi.nlm.nih.gov/pmc	-	
Identify one strength and one weakness related to the reresearch, and explain why they impact reproducibility/re		
5a) What is a strength of the article and how does it impact reproducibility/replicability.		
5b) What is a weakness of the article and how does it impact reproducibility/replicability.		

6) Describe one best practice of computational	
reproducibility and how R and R Studio could be used	
to achieve it.	

