

**PART ONE** (5 points)

1. Which of the following psychological constructs would make an ethically acceptable **independent variable** (i.e., something YOU as experimenter can manipulate and randomly assign participants to the levels you have created)? As you read these, think to yourself, can I *create* this characteristic in my participants, and can I do it *ethically*? Note: **Levels** for the constructs are in given in parentheses. Indicate yes or no.

a. Personality of your participants (shy or outgoing)	
b. Personality of character in a story (shy or outgoing)	
c. Parenting style of participant's youth (harsh or nurturant)	
d. Degree of substance abuse in participants (addicted or not addicted)	
e. Participant's mood (happy, sad, or neutral)	
f. Participant's intelligence (IQ 110-120 or IQ 80-90)	
g. Amount of information given to participants (10 statements about an event or 20 statements about an event)	
h. Gender of participant (Male or Female)	
i. Gender of a child presented in a photograph (Male or Female)	
j. Response of parent to child behavior as presented by actors on a videotape (harsh or nurturant)	

<p>2. Which of the following psychological constructs would make an appropriate <b>dependent variable</b> for an experiment that you might conduct (low risk &amp; no clinical trials)? The variable should be an <i>outcome</i> that you can measure operationally and that can be generated under controlled experimental conditions. Construct is listed (brief <b>operational definition</b> is given in parentheses. Indicate yes or no.</p>	
a. Academic achievement (GPA at the end of the semester)	
b. Cognitive ability (number of items correctly remembered from a list of 50)	
c. Beliefs about mental illness (1-10 ratings of job applications from applicants identified as referred either by a psychiatric social worker or an employment agency)	
d. Mental illness (degree to which a patient's symptoms have decreased on standard DSM based inventory)	
e. Antisocial behavior (number of times a child hits or pushes another child on the playground)	
f. Prosocial behavior (number of times a participant offers a seat to another or helps to pick up items that another has dropped)	
<p><b>PART TWO</b> (5 points)</p> <p>1. Identify a psychological construct that would make an acceptable and ethical <b>independent variable</b> for you to manipulate in a research proposal, along with at least <b>two different levels</b> of this variable. List variable; put levels in ( ).</p>	
<p>2. You hypothesize that your manipulated IV will have an effect on some outcome or <b>dependent variable</b>. What is the dependent variable and what is a brief <b>operational definition</b> for it? List the variable; put the operational definition in ( ).</p>	

3. State a <b><i>hypothesis</i></b> for a study concerning the two variables you have identified above.		