

4. In a 2^4 Half Fractional Factorial with factors A, B, C, D, what is the Alias of the BD Interaction?
- CD
 - ABC
 - AC**
 - DB
 - None of the Above
5. The three sections of an Effectiveness Test or Suitability Test are:
- Objective, Criteria, Analysis
 - Objective, Procedure, Analysis**
 - Objective, Equations, Analysis
 - Objective, Procedure, Resources
6. A test design variable matrix includes:
- Variables, Control Method, Instrumentation
 - Variables, Factor/Levels, Instrumentation
 - Control Method, Factor/Levels, Instrumentation
 - Variables, Control Method, Factor/Levels**

Matching (5 pts):

7. In the example Two Factor Test Design for the Radial Miss Distance of several Aircraft, match the following: (Only one Each) **Place letter in appropriate blank**

<u>C</u> Aircrew	A. Primary Factor
<u>E</u> Radial Miss Distance	B. Unmeasured Background Variable
<u>A</u> Aircraft	C. Blocking Factor
<u>D</u> Weather factors	D. Measured Background
<u>B</u> Random Variations	E. Dependent Variable

8. (4 pts) List Four DT&E Problems/Lessons Learned that were identified in the Army Testing Study reading:

- PM should start test-planning earlier
- Historical data should be used to better estimate cost, schedule, and resources
- PM should plan for contingencies and not assume perfect success in the test process
- Decision makers should fully understand the risk reduction role of T&E in the SE process