Tec 45 Knowledge Development Two

Manual Supported Content

Study assignment: *Tec Deep Diver Manual*, pgs 176-179, Thinking Like a Tec Diver III, Tec Exercise 3.6

Manual Supported Content

Study assignment: *Tec Deep Diver Manual*, pgs 194-201, Gas Planning IV, Tec Exercise 4.2

Manual Supported Content

Study assignment: *Tec Deep Diver Manual*, pgs 202-209, Emergencies IV, Tec Exercise 4.3

Other Delivery Content, Tec 45-2

Study assignment: Tec 45 Handout 2

Tec 45 Knowledge Review Two

Please complete this review to hand in to your instructor. If there's something you don't understand, review the related material. If you still don't understand, be sure to have your instructor explain it to you.

1. Define a "trust me dive" and explain why you should not make them.

2. List the six principals for surviving a tec dive.

3. What is run time? How do you use it?

4. Explain what you should do if you cannot switch to your shallower gas blend when making a gas switch extended no-stop dive.

5. Gas matching (optional): You are diving double 18 litre/104 cubic foot (working pressure 2400) cylinders filled to 150 bar/2200 psi. Your team mate will use double 21 litre/120 cubic foot (working pressure 2400) cylinders filled to 160 bar/2350 psi. If you gas match, what pressure should you have remaining at the end of the dive, and at what pressure should you turn the dive?

6. What should you do to ensure you don't lose your decompression cylinders?

7. What do you do if your dive goes deeper and/or longer than planned?

8. What should you do if you miss a decompression stop?

9. What should you do if you have a delay in your ascent to a decompression stop?

10. What should you do if you omit some or all of your decompression?

11. What should you do if you run out of gas?

12. How do you handle a lift bag that spills as it ascends be cannot be pulled back down to be redeployed?

13. What is a drift kit? What items would you have in it, and when would you use it?

Student Diver statement: I've reviewed the questions I answered incorrectly or incompletely and I now understand what I missed.

Signature _____ Date _____