Homework 11

Study Questions

Commercial AVF 221

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_ Score\_\_\_\_\_

PHAK Chapter 16

Define:

1. Hypoxic hypoxia
2. Hypemic hypoxia
3. Stagnant hypoxia
4. Histotoxic hypoxia
5. List the symptoms of hypoxia
6. Hyperventilation
7. List the symptoms of hyperventilation
8. What is the Eustachian tube?
9. With regards to spatial disorientation what are the 3 integrated systems the body uses to ascertain orientation?

Define:

1. The leans
2. Coriolis illusion
3. Graveyard spiral
4. Somatogravic illusion
5. Inversion illusion
6. Elevator illusion
7. False horizon
8. Autokinesis
9. List a couple of ways of coping with spatial disorientation

Define

1. Runway width illusion
2. Runway a terrain slopes illusion
3. Featureless terrain illusion
4. Water refraction
5. Haze
6. Fog
7. List a couple of ways to prevent landing errors due to optical illusions
8. What causes motion sickness?
9. List the 5 effects of CO poisoning
10. What is the difference between acute and chronic stress?
11. What is the difference between acute and chronic fatigue?
12. List the 3 steps to prevent dehydration
13. How much alcohol causes emotional instability, loss of critical judgment, impairment of memory and comprehension, decreased sensory response and mild muscular incoordination?
14. What group of drugs results in depressed sexual drive, lethargy, general physical debilitation, infections and hepatitis?
15. What is DCS?
16. What is the recommended wait times and altitudes after diving?
17. Name 5 “other” factors that decrease night vision

Chapter 8 AIM

1. Since any degree of dark adaptation is lost within a few seconds of viewing a bright light, what is one “trick” the AIM suggests to preserve some degree of night vision?
2. What is the recommended transmittance of light for sunglasses?
3. When scanning for traffic how large of an area (in degrees) should be scanned?
4. For how long?
5. What is the ratio of time spent scanning inside the cockpit to outside?
6. List the 11 judgment aspects of collision avoidance to prevent midair collisions and give a brief description of each

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