Fitness and Wellness 12th Edition Hoeger Test Bank

Chapter 02 - Assessment of Physical Fitness

True / False

1. Lean body mass is equivalent to body weight minus fat weight.

a. True

b. False

ANSWER: True

REFERENCES: 2.7 Body Composition

LEARNING OBJECTIVES: FITW.HOEG.17.2.6 - Understand the components of body composition.

OTHER: Bloom's: Remember

2. Storage fat is the body fat needed for normal physiological functions.

a. True

b. False

ANSWER: False

REFERENCES: 2.7 Body Composition

LEARNING OBJECTIVES: FITW.HOEG.17.2.6 - Understand the components of body composition.

OTHER: Bloom's: Remember

3. Storage fat is the body fat needed for normal physiological functions.

a. True

b. False

ANSWER: False

REFERENCES: 2.7 Body Composition

LEARNING OBJECTIVES: FITW.HOEG.17.2.6 - Understand the components of body composition.

OTHER: Bloom's: Remember

4. Nonresponders constitute less than 5 percent of exercise participants.

a. True

b. False

ANSWER: True

REFERENCES: 2.2 Responders Versus Nonresponders

LEARNING OBJECTIVES: FITW.HOEG.17.2.1 - Identify the health-related components of physical fitness.

OTHER: Bloom's: Remember

5. Good muscular strength can improve bone density and help prevent osteoporosis.

a. True

b. False

ANSWER: True

REFERENCES: 2.5 Muscular Fitness

LEARNING OBJECTIVES: FITW.HOEG.17.2.3 - Understand the difference between muscular strength and muscular

endurance.

OTHER: Bloom's: Remember

6. The majority of all low back problems in the United States stem from genetic factors.

a. True

b. False

ANSWER: False

REFERENCES: 2.6 Muscular Flexibility

LEARNING OBJECTIVES: FITW.HOEG.17.2.5 - Be able to assess muscular flexibility.

OTHER: Bloom's: Remember

7. The 1.5-Mile Run Test is a submaximal exercise test.

a. Trueb. False

ANSWER: False

REFERENCES: 2.4 Cardiorespiratory Endurance

LEARNING OBJECTIVES: FITW.HOEG.17.2.2 - Be able to assess cardiorespiratory fitness.

OTHER: Bloom's: Remember

8. A negative caloric balance leads to a decrease in lean body mass.

a. Trueb. False

ANSWER: True

REFERENCES: 2.8 Effects of Exercise and Diet on Body Composition

LEARNING OBJECTIVES: FITW.HOEG.17.2.9 - Learn to assess disease risk based on body mass index (BMI), waist

circumference, and waist-to-height ratio.

OTHER: Bloom's: Remember

9. The 1.0-Mile Walk Test alone can determine an individual's overall level of fitness.

a. Trueb. False

ANSWER: False

REFERENCES: 2.3 Fitness Assessment Battery

LEARNING OBJECTIVES: FITW.HOEG.17.2.1 - Identify the health-related components of physical fitness.

OTHER: Bloom's: Remember

10. Too much flexibility leads to unstable and loose joints, which may actually increase the injury rate.

a. Trueb. False

ANSWER: True

REFERENCES: 2.6 Muscular Flexibility

LEARNING OBJECTIVES: FITW.HOEG.17.2.5 - Be able to assess muscular flexibility.

OTHER: Bloom's: Remember

Multiple Choice

11. BMI is calculated by multiplying your weight in pounds by ____ and dividing this figure by the square of the height in inches.

a. 575

b. 625

c. 705	
d. 815	
e. 945	
ANSWER:	c
REFERENCES:	2.7 Body Composition
LEARNING OBJECTIVES:	FITW.HOEG.17.2.7 - Be able to assess body composition.
OTHER:	Bloom's: Remember
12. Regarding skinfold thick	cness measurements,
a. use the chest, abdom	en, and thigh skinfolds for women
b. use the triceps, supra	ilium, and thigh skinfolds for men
c. all measurements are	e taken on the right side of the body with the person standing
d. all measurements are	e taken on the left side of the body with the person lying in a supine position
e. measure each site two	ice
ANSWER:	c
REFERENCES:	2.7 Body Composition
LEARNING OBJECTIVES:	FITW.HOEG.17.2.7 - Be able to assess body composition.
OTHER:	Bloom's: Remember
13. Which body compositiona. hydrostatic weighingb. air displacement	n assessment method can also be used to measure bone density?
c. skinfold thickness	
d. bioelectrical impedar	ice
e. DXA	
ANSWER:	e
REFERENCES:	2.7 Body Composition
LEARNING OBJECTIVES:	FITW.HOEG.17.2.7 - Be able to assess body composition.
OTHER:	Bloom's: Remember
14. Essential fat constitutes	about percent of the total weight in men and percent in women.
a. 3; 12	
b. 5; 15	
c. 7; 18	
d. 9; 16	
e. 11; 14	
ANSWER:	a
REFERENCES:	2.7 Body Composition
LEARNING OBJECTIVES:	FITW.HOEG.17.2.6 - Understand the components of body composition.
OTHER:	Bloom's: Remember
15. Much of the blood gluco a. triglycerides	ose from food consumption goes to the muscles, where it is stored as
b. glycogen	

c. protein	
d. glucagon	
e. sucrose	
ANSWER:	b
REFERENCES:	2.5 Muscular Fitness
LEARNING OBJECTIVES:	FITW.HOEG.17.2.3 - Understand the difference between muscular strength and muscular endurance.
OTHER:	Bloom's: Remember
16. The ability of a muscle t	to exert submaximal force repeatedly over time is known as
a. isometric training	•
b. progressive resistance	ee ee
c. muscular strength	
d. hypertrophy	
e. muscular endurance	
ANSWER:	e
REFERENCES:	2.5 Muscular Fitness
	FITW.HOEG.17.2.3 - Understand the difference between muscular strength and muscular endurance.
OTHER:	Bloom's: Remember
	t secretes harmful inflammatory substances that contribute to chronic conditions.
a. visceral fat	
b. subcutaneous fat	
c. retroperitoneal fat	
d. essential fat	
e. lean body mass	
ANSWER:	a
REFERENCES:	2.7 Body Composition
LEARNING OBJECTIVES:	FITW.HOEG.17.2.7 - Be able to assess body composition.
OTHER:	Bloom's: Remember
_	the lowest risk for chronic disease is in the range.
a. 18 to 21	
b. 22 to 25	
c. 26 to 29	
d. 30 to 33	
e. 34 to 37	
ANSWER:	b
REFERENCES:	2.7 Body Composition
LEARNING OBJECTIVES:	FITW.HOEG.17.2.7 - Be able to assess body composition.
OTHER:	Bloom's: Remember
19. Which muscular endura a. Modified Push-Up	nce test is done by men only?

b. Bench Jump	
c. 1 RM	
d. Modified Dip	
e. Abdominal Crunch	
ANSWER:	d
REFERENCES:	2.5 Muscular Fitness
	FITW.HOEG.17.2.4 - Learn to assess muscular strength.
OTHER:	Bloom's: Remember
·	
·	ites primarily to and the index of physical activity.
a. body temperature	
b. age	
c. gender	
d. genetic factors	
e. weight	
ANSWER:	d
REFERENCES:	2.6 Muscular Flexibility
LEARNING OBJECTIVES:	FITW.HOEG.17.2.5 - Be able to assess muscular flexibility.
OTHER:	Bloom's: Remember
a. air displacement	n assessment method is most frequently used in research and by medical facilities?
b. bioelectrical impedar	nce
c. DXA	
d. hydrostatic weighing	· •
e. skinfold thickness	
ANSWER:	c
REFERENCES:	2.7 Body Composition
	FITW.HOEG.17.2.7 - Be able to assess body composition.
OTHER:	Bloom's: Remember
22. Some research indicates related to low levels of	that lack of improvement in cardiorespiratory endurance among nonresponders might be
a. leg strength	
b. blood glucose	
c. upper body strength	
d. overall flexibility	
e. body fat	
ANSWER:	a
REFERENCES:	2.2 Responders Versus Nonresponders
LEARNING OBJECTIVES:	FITW.HOEG.17.2.1 - Identify the health-related components of physical fitness.
OTHER:	Bloom's: Remember
23. In general, what is the si	ingle most important component of health-related physical fitness?

a. body weight

- b. muscular flexibility
- c. muscular endurance
- d. muscular strength
- e. cardiorespiratory endurance

ANSWER:

REFERENCES: 2.4 Cardiorespiratory Endurance

LEARNING OBJECTIVES: FITW.HOEG.17.2.2 - Be able to assess cardiorespiratory fitness.

OTHER: Bloom's: Remember

- 24. Which health-related component of physical fitness seems to be the most important in the older-adult population?
 - a. muscular strength
 - b. muscular endurance
 - c. muscular flexibility
 - d. cardiorespiratory endurance
 - e. body weight

ANSWER:

REFERENCES: 2.5 Muscular Fitness

LEARNING OBJECTIVES: FITW.HOEG.17.2.3 - Understand the difference between muscular strength and muscular

endurance.

OTHER: Bloom's: Remember

- 25. Richard is a 42-year-old male. What is his recommended body fat percent range?
 - a. 12-20%
 - b. 13-21%
 - c. 14-22%
 - d. 17-25%
 - e. 18-26%

ANSWER: b

REFERENCES: 2.7 Body Composition

LEARNING OBJECTIVES: FITW.HOEG.17.2.7 - Be able to assess body composition.

OTHER: Bloom's: Remember

- 26. Susan is a 25-year-old female. What is her recommended body fat percent range?
 - a. 12-20%
 - b. 13-21%
 - c. 14-22%
 - d. 17-25%
 - e. 18-26%

ANSWER: d

REFERENCES: 2.7 Body Composition

LEARNING OBJECTIVES: FITW.HOEG.17.2.7 - Be able to assess body composition.

OTHER: Bloom's: Remember

- 27. Which activity will most likely promote cardiorespiratory endurance?
 - a. plyometrics

b. yoga	
c. calisthenics	
d. lifting weights	
e. cross-country skiing	
ANSWER:	e
REFERENCES:	2.4 Cardiorespiratory Endurance
LEARNING OBJECTIVES:	FITW.HOEG.17.2.2 - Be able to assess cardiorespiratory fitness.
OTHER:	Bloom's: Remember
28. Cardiorespiratory enduration a. maximum heart rate	ance is determined by
b. resting heart rate	
c. VO _{2max}	
d. blood oxygen saturat	ion
e. blood pressure during	
ANSWER:	C C
	2.4 Cardiorespiratory Endurance
	FITW.HOEG.17.2.2 - Be able to assess cardiorespiratory fitness.
OTHER:	Bloom's: Remember
c. 8 d. 12 e. 15 ANSWER: REFERENCES: LEARNING OBJECTIVES: OTHER:	b 2.4 Cardiorespiratory Endurance FITW.HOEG.17.2.2 - Be able to assess cardiorespiratory fitness. Bloom's: Remember
Test?	ded to complete the equation to determine your estimated VO _{2max} after the 1.0-Mile Walk
a. ageb. BMIc. resting heart rated. gendere. weight in kilograms	
ANSWER:	d
REFERENCES:	2.4 Cardiorespiratory Endurance
LEARNING OBJECTIVES:	FITW.HOEG.17.2.2 - Be able to assess cardiorespiratory fitness.
OTHER:	Bloom's: Remember
31. A maximal oxygen upta	ke of 45 mL/kg/min for a male who is 22 is considered

Chapter 02 - Assessment of	Physical Fitness
a. poor	
b. fair	
c. average	
d. good	
e. excellent	
ANSWER:	d
REFERENCES:	2.4 Cardiorespiratory Endurance
LEARNING OBJECTIVES:	FITW.HOEG.17.2.2 - Be able to assess cardiorespiratory fitness.
OTHER:	Bloom's: Remember
32. Which assessment gives amount of time to administe a. Bench Jump	s a good measure of absolute strength but also requires a basic skill level and a considerable er?
b. Modified Push-up	
c. Modified Dip	
d. Bent-Leg Curl-up	
e. 1 RM	
ANSWER:	e
REFERENCES:	2.5 Muscular Fitness
LEARNING OBJECTIVES:	FITW.HOEG.17.2.4 - Learn to assess muscular strength.
OTHER:	Bloom's: Remember
	_ inches in men and inches in women indicates a higher risk for cardiovascular disease,
hypertension, and type 2 dia	ibetes.
a. 32; 35	
b. 35; 38	
c. 38; 40	
d. 40; 35	
e. 42; 32	
ANSWER:	d
REFERENCES:	2.7 Body Composition
LEARNING OBJECTIVES:	FITW.HOEG.17.2.7 - Be able to assess body composition.
OTHER:	Bloom's: Remember
34. During the Abdominal Ca. shrug your shoulders	Crunch test, you should
b. place your chin again	nst your chest
c. regulate your cadenc	re with a metronome set at 60 beats per minute
d. cross your arms in fr	ont of your chest
e. lie on the floor in a s	upine position with your legs straight
ANSWER:	c
REFERENCES:	2.5 Muscular Fitness
LEARNING OBJECTIVES:	FITW.HOEG.17.2.4 - Learn to assess muscular strength.
OTHER:	Bloom's: Remember

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35. Flexibility exercises hav a. dysmenorrhea b. type 2 diabetes c. arthritis	ve been prescribed successfully to treat
d. varicose veins	
e. gastrointestinal prob	lems
ANSWER:	a
REFERENCES:	2.6 Muscular Flexibility
	FITW.HOEG.17.2.5 - Be able to assess muscular flexibility.
OTHER:	Bloom's: Remember
36. If you engage in a diet a monitor changes in lean and	and exercise program, you should repeat body composition measurements about to I fat tissue.
a. once a week	
b. once a month	
c. every 3 months	
d. every 6 months	
e. once a year	
ANSWER:	b
REFERENCES:	2.8 Effects of Exercise and Diet on Body Composition
LEARNING OBJECTIVES:	FITW.HOEG.17.2.9 - Learn to assess disease risk based on body mass index (BMI), waist circumference, and waist-to-height ratio.
OTHER:	Bloom's: Remember
to a lack of a. strength	ists believe that many muscular/skeletal problems and injuries, especially in adults, are related
b. cardiorespiratory end	lurance
c. flexibility	
d. balance	
e. coordination	
ANSWER:	c
REFERENCES:	2.6 Muscular Flexibility
	FITW.HOEG.17.2.5 - Be able to assess muscular flexibility.
OTHER:	Bloom's: Remember
38. The Modified Sit-and-R a. quadriceps	each Test is used to assess flexibility.
b. hip	
c. hamstring and low b	ack
d. shoulder and chest	
e. back and abdominal	
ANSWER:	c
REFERENCES:	2.6 Muscular Flexibility

LEARNING OBJECTIVES: FITW.HOEG.17.2.5 - Be able to assess muscular flexibility.

OTHER: Bloom's: Remember 39. During aerobic exercise, the average person trains at between _____ percent of maximal oxygen uptake. a. 40 and 70 b. 50 and 75 c. 60 and 80 d. 70 and 85 e. 80 and 90 ANSWER: b REFERENCES: 2.4 Cardiorespiratory Endurance LEARNING OBJECTIVES: FITW.HOEG.17.2.2 - Be able to assess cardiorespiratory fitness. OTHER: Bloom's: Remember 40. A WHtR of .6 indicates a(n) ____ disease risk. a. increased b. very low c. moderate d. high e. extremely high ANSWER: b *REFERENCES:* 2.7 Body Composition LEARNING OBJECTIVES: FITW.HOEG.17.2.7 - Be able to assess body composition. OTHER: Bloom's: Remember Matching Select the key term that is most associated with the description below. Each term is used only once. a. android obesity b. BMI c. functional independence d. gynoid obesity e. metabolic profile f. principle of individuality g. resting metabolism h. sarcopenia i. stretching J. VO_{2max} REFERENCES: 2.4 Cardiorespiratory Endurance 2.7 Body Composition 2.5 Muscular Fitness

2.6 Muscular Flexibility

2.3 Fitness Assessment Battery

2.2 Responders Versus Nonresponders

LEARNING OBJECTIVES: FITW.HOEG.17.2.1 - Identify the health-related components of physical fitness.

FITW.HOEG.17.2.2 - Be able to assess cardiorespiratory fitness.

FITW.HOEG.17.2.3 - Understand the difference between muscular strength and muscular

endurance.

FITW.HOEG.17.2.5 - Be able to assess muscular flexibility. FITW.HOEG.17.2.7 - Be able to assess body composition.

OTHER: Bloom's: Remember

41. the ability to carry out activities of daily living without assistance from other individuals

ANSWER: c

42. obesity pattern seen in people who store fat primarily around the hips and thighs

ANSWER: d

43. age-related loss of lean body mass, strength, and function

ANSWER: h

44. the energy requirement to maintain the body's vital processes in the resting state

ANSWER: g

45. moving the joints beyond the accustomed range of motion

ANSWER: i

46. obesity pattern seen in individuals who tend to store fat in the trunk or abdominal area

ANSWER: a

47. result of the assessment of diabetes and cardiovascular disease risk through plasma insulin, glucose, lipid, and lipoprotein levels

ANSWER: e

48. an index that incorporates height and weight to estimate critical fat values at which risk for disease increases *ANSWER*: b

49. maximum amount of oxygen the human body is able to utilize per minute of physical activity *ANSWER*: j

50. training concept that states that genetics plays a major role in individual responses to exercise training and that these differences must be considered when designing exercise programs for different people

ANSWER: f

Subjective Short Answer

51. Differentiate between health fitness standards and physical fitness standards.

ANSWER: Health fitness standards are the lowest fitness requirements for maintaining good health,

decreasing the risk for chronic diseases, and lowering the incidence of muscular/skeletal injuries. Attaining the health fitness standards requires only moderate amounts of physical activity. The physical fitness standard is set higher than the health fitness standard and requires a more vigorous exercise program. Physical fitness standards are required criteria to achieve a high level of physical fitness and the ability to do moderate-to vigorous physical

activity without undue fatigue.

REFERENCES: 2.3 Fitness Assessment Battery

LEARNING OBJECTIVES: FITW.HOEG.17.2.1 - Identify the health-related components of physical fitness.

OTHER: Bloom's: Remember

Essay

52. Describe the correct anatomical landmarks for all five skinfold sites.

ANSWER: • Chest: a diagonal fold halfway between the shoulder crease and the nipple

• Abdomen: a vertical fold about one inch to the right of the umbilicus

• Triceps: a vertical fold on the back of the upper arm, halfway between the shoulder and the

elbow

• Thigh: a vertical fold on the front of the thigh, midway between the knee and the hip

• Suprailium: a diagonal fold above the crest of the ilium (on the side of the hip)

REFERENCES: 2.7 Body Composition

LEARNING OBJECTIVES: FITW.HOEG.17.2.7 - Be able to assess body composition.

OTHER: Bloom's: Remember

53. Describe how the Bent-Leg Curl-Up is performed.

ANSWER:

For the Bent-Leg Curl-Up, lie down on the floor, face up, and bend both legs at the knees at approximately 100 degrees. Your feet should be on the floor, and you must hold them in place yourself throughout the test. Cross your arms in front of your chest, each hand on the opposite shoulder. Now raise your head off the floor, placing your chin against your chest. This is the starting and finishing position for each curl-up. The back of the head may not come in contact with the floor, the hands cannot be removed from the shoulders, and neither the feet nor the hips can be raised off the floor at any time during the test. The test is terminated if any of these four conditions occur. When you curl up, your upper body must come to an upright position before going back down. The repetitions are performed to a two-step cadence (up–down) regulated with the metronome set at 40 beats per minute. Count as many repetitions as you are able to perform following the proper cadence. The test is terminated if you fail to maintain the appropriate cadence or if you accomplish 100 repetitions.

REFERENCES: 2.5 Muscular Fitness

LEARNING OBJECTIVES: FITW.HOEG.17.2.4 - Learn to assess muscular strength.

OTHER: Bloom's: Remember

54. Summarize the benefits of participating in a regular flexibility program.

ANSWER:

- It helps to maintain good joint mobility.
- It increases resistance to muscle injury and soreness.
- It prevents low back and other spinal column problems.
- It improves and maintains good postural alignment.
- It enhances proper and graceful body movement.
- It improves personal appearance and self-image.
- It facilitates the development of motor skills throughout life.

Flexibility exercises also have been prescribed successfully to treat dysmenorrhea, general neuromuscular tension (stress), and knots (trigger points) in muscles and fascia. Regular stretching helps decrease the aches and pains caused by psychological stress and contributes to a decrease in anxiety, blood pressure, and breathing rate.

REFERENCES: 2.6 Muscular Flexibility

LEARNING OBJECTIVES: FITW.HOEG.17.2.5 - Be able to assess muscular flexibility.

OTHER: Bloom's: Remember

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55. Differentiate between android obesity and gynoid obesity. Based on recent evidence, discuss which group(s) of individuals are at an increased risk of developing chronic diseases and which of these diseases have been reported.

ANSWER:

Android obesity is seen in individuals who tend to store fat in the trunk or abdominal area (which produces the "apple" shape). Gynoid obesity is seen in people who store fat primarily around the hips and thighs (which creates the "pear" shape). Obese individuals with abdominal fat are clearly at higher risk for heart disease, hypertension, type 2 diabetes, stroke, some types of cancer, dementia, migraines, and diminished lung function. Evidence also indicates that among individuals with a lot of abdominal fat, those whose fat deposits are located around internal organs (intra-abdominal or visceral fat) rather than subcutaneously or retroperitoneally have an even greater risk for disease than those with fat mainly just beneath the skin (subcutaneous fat). Of even greater significance, the results of a recent study that followed more than 350,000 people over almost 10 years concluded that even when body weight is viewed as "normal," individuals with a large waist circumference nearly double the risk for premature death. Researchers believe that visceral fat secretes harmful inflammatory substances that contribute to chronic conditions.

REFERENCES: 2.7 Body Composition

LEARNING OBJECTIVES: FITW.HOEG.17.2.7 - Be able to assess body composition.

OTHER: Bloom's: Remember