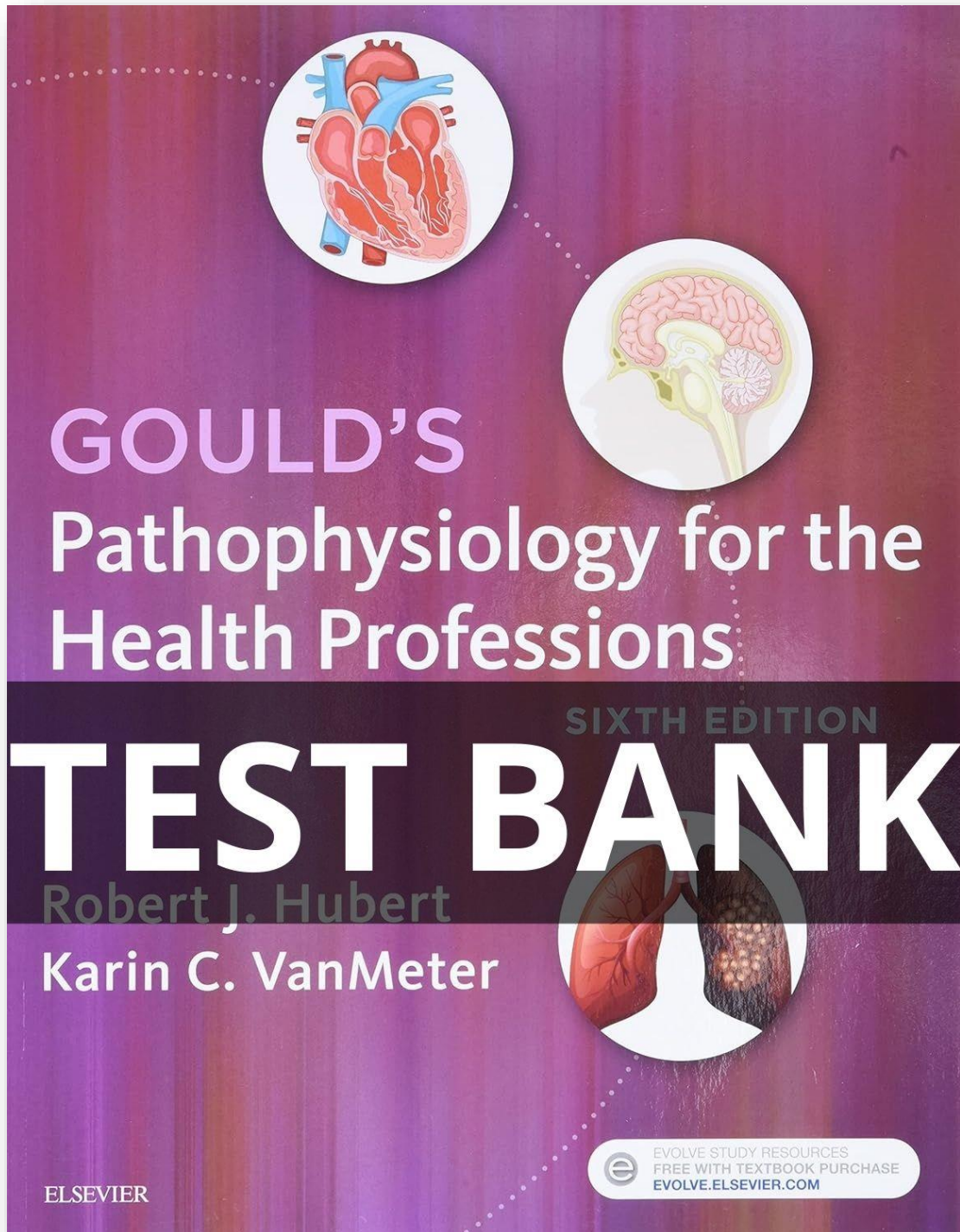


Test Bank

Gould's Pathophysiology for the Health Professions 6th Edition



Chapter 01: Introduction to Pathophysiology

Test Bank

MULTIPLE CHOICE

1. Which of the following would be the most likely cause of an iatrogenic disease?
 - a. An inherited disorder
 - b. A combination of specific etiological factors
 - c. An unwanted effect of a prescribed drug
 - d. Prolonged exposure to toxic chemicals in the environment

ANS: C REF: 6

2. The manifestations of a disease are best defined as the:
 - a. subjective feelings of discomfort during a chronic illness.
 - b. signs and symptoms of a disease.
 - c. factors that precipitate an acute episode of a chronic illness.
 - d. early indicators of the prodromal stage of infection.

ANS: B REF: 6

3. The best definition of the term *prognosis* is the:
 - a. precipitating factors causing an acute episode.
 - b. number of remissions to be expected during the course of a chronic illness.
 - c. predicted outcome or likelihood of recovery from a specific disease.
 - d. exacerbations occurring during chronic illness.

ANS: C REF: 7

4. Which of the following is considered a systemic sign of disease?
 - a. Swelling of the knee
 - b. Fever
 - c. Pain in the neck
 - d. Red rash on the face

ANS: B REF: 6

5. Etiology is defined as the study of the:
 - a. causes of a disease.
 - b. course of a disease.
 - c. expected complications of a disease.
 - d. manifestations of a disease.

ANS: A REF: 5

6. A type of cellular adaptation in which there is a decrease in cell size is referred to as:
 - a. hypertrophy.
 - b. metaplasia.
 - c. anaplasia.
 - d. atrophy.

ANS: D REF: 8

7. A change in a tissue marked by cells that vary in size and shape and show increased mitotic figures would be called:
- metaplasia.
 - atrophy.
 - dysplasia.
 - hypertrophy.

ANS: C REF: 8

8. A deficit of oxygen in the cells usually due to respiratory or circulatory problems is called:
- apoptosis.
 - ischemia.
 - hypertrophy.
 - necrosis.

ANS: B REF: 9

9. When a group of cells in the body dies, the change is called:
- ischemia.
 - gangrene.
 - hypoxia.
 - necrosis.

ANS: D REF: 10

10. Rigorous weight lifting/body building regimens may result in the skeletal muscle cells undergoing:
- hypertrophy.
 - dysplasia.
 - atrophy.
 - regeneration.

ANS: A REF: 8

11. The term *cancer* refers to:
- dysplasia.
 - hyperplasia.
 - metaplasia.
 - malignant neoplasm.

ANS: D REF: 9

12. To which of the following does the term *apoptosis* refer?
- Increased rate of mitosis by certain cells
 - Ischemic damage to cells
 - Liquefaction of necrotic tissue
 - Preprogrammed cell self-destruction

ANS: D REF: 9

13. Which of the following statements is TRUE?
- Alteration of DNA does not change cell function.

- b. Damaged cells may be able to repair themselves.
- c. All types of cells die at the same rate.
- d. Mild ischemia causes immediate cell death.

ANS: B REF: 10

14. Caseation necrosis refers to an area where:
- a. cell proteins have been denatured.
 - b. cell are liquefied by enzymes.
 - c. dead cells form a thick cheesy substance.
 - d. bacterial invasion has occurred.

ANS: C REF: 10

15. Routine application of sun block to skin would be an example of:
- a. an iatrogenic cause of cancer.
 - b. a preventive measure.
 - c. a precipitating factor.
 - d. a predisposing condition.

ANS: B REF: 6

16. A circumstance that causes a sudden acute episode of a chronic disease to occur is termed:
- a. latent stage.
 - b. predisposing factor.
 - c. incidence.
 - d. precipitating factor.

ANS: D REF: 7

17. The term *homeostasis* refers to:
- a. the causative factors in a particular disease.
 - b. maintenance of a stable internal environment.
 - c. a condition that triggers an acute episode.
 - d. a collection of signs and symptoms.

ANS: B REF: 2

18. Which term is used to describe a new and secondary or additional problem that arises after the original disease has been established?
- a. Symptoms
 - b. Occurrence
 - c. Manifestations
 - d. Complication

ANS: D REF: 7

19. Pathophysiology involves the study of:
- a. the structure of the human body.
 - b. the functions of various organs in the body.
 - c. functional or structural changes resulting from disease processes.
 - d. various cell structures and related functions.

ANS: C REF: 2

20. Which of the following is the best definition of epidemiology?
- The science of tracking the occurrence and distribution of diseases
 - The relative number of deaths resulting from a particular disease
 - Identification of a specific disease through evaluation of signs and symptoms
 - The global search for emerging diseases

ANS: A REF: 7

21. Which of the following can cause cell injury or death?

- Hypoxia
 - Exposure to excessive cold
 - Excessive pressure on a tissue
 - Chemical toxins
- 1, 2
 - 2, 4
 - 1, 3, 4
 - 1, 2, 3, 4

ANS: D REF: 9

22. All of the following are part of the Seven Steps to Health EXCEPT:

- follow cancer screening guidelines.
- use sun block agents whenever exposed.
- participate in strenuous exercise on a regular daily basis.
- choose high fiber, lower fat foods.

ANS: C REF: 2

23. The term *disease* refers to:

- the period of recovery and return to a normal healthy state.
- a deviation from the normal state of health and function.
- the treatment measures used to promote recovery.
- a basic collection of signs and symptoms.

ANS: B REF: 2

24. A collection of signs and symptoms, often affecting more than one organ or system, that usually occur together in response to a certain condition is referred to as a (an):

- acute disease.
- multiorgan disorder.
- syndrome.
- manifestation.

ANS: C REF: 7

25. All of the following statements are correct about cell damage EXCEPT:

- The initial stage of cell damage often causes an alteration in metabolic reactions.
- If the factor causing the damage is removed quickly, the cell may be able to recover and return to its normal state.
- If the noxious factor remains for an extended period of time, the damage becomes

irreversible and the cell dies.

d. Initially, cell damage does not change cell metabolism, structure, or function.

ANS: D REF: 9

26. Which of the following conditions distinguishes double blind studies used in health research?
- Neither the members of the control group or the experimental group nor the person administering the treatment knows who is receiving the experimental therapy.
 - Both groups of research subjects and the person administering the treatment know who is receiving the experimental therapy.
 - The research subjects do not know, but the person administering the treatment knows who is receiving placebo or standard therapy.
 - Only members of the control group know they are receiving standard therapy.

ANS: A REF: 3 | 4

27. If the data collected from the research process confirm that the new treatment has increased effectiveness and is safe, this is called:
- the placebo effect.
 - evidence-based research.
 - blind research studies.
 - approval for immediate distribution.

ANS: B REF: 4

28. A short-term illness that develops very quickly with perhaps a high fever or severe pain is called:
- acute.
 - latent.
 - chronic.
 - manifestation.

ANS: A REF: 6

29. The term *prognosis* refers to the:
- period of recovery and return to a normal state.
 - expected outcome of the disease.
 - mortality and morbidity rates for a given population.
 - typical collection of signs and symptoms.

ANS: B REF: 7

30. When prolonged ischemia occurs to an area of the heart, the resulting damage is referred to as:
- atrophy.
 - liquefactive necrosis.
 - apoptosis.
 - infarction.

ANS: D REF: 10

31. During the evaluation process for a new therapy's effectiveness and safety, a double blind study may be conducted during:
- the first stage.

- b. the second stage.
- c. the third stage.
- d. any of these stages.

ANS: C REF: 3

32. Why are the predisposing factors for a specific disease important to health professionals?
- a. To predict the prognosis
 - b. To determine treatments
 - c. To develop preventive measures
 - d. To develop morbidity statistics

ANS: C REF: 3

33. Cell damage may be caused by exogenous sources such as:
- a. abnormal metabolic processes.
 - b. certain food additives.
 - c. genetic defects.
 - d. localized hypoxia.

ANS: B REF: 9 | 10

34. Which of the following is usually included in a medical history?
- 1. Past illnesses or surgeries
 - 2. Current illnesses, acute and chronic
 - 3. Prescribed medication or other treatments
 - 4. Nonprescription drugs and herbal remedies
 - 5. Current allergies
- a. 1, 3
 - b. 2, 4, 5
 - c. 1, 3, 4
 - d. 1, 2, 3, 4, 5

ANS: D REF: 4 | 5

35. A situation when there is a higher than expected number of cases of an infectious disease within a given area is called a/an:
- a. epidemic.
 - b. exacerbation.
 - c. morbidity.
 - d. pandemic.

ANS: A REF: 7

36. The term *pathogenesis* refers to:
- a. the development of a disease or sequence of events related to tissue changes involved in the disease process.
 - b. the determination of the cause(s) involved in the development of a malignant neoplasm.
 - c. the specific signs and symptoms involved in the change from an acute disease to a chronic disease.
 - d. the changes in cells of affected tissue that result in necrosis.

ANS: A

REF: 6

Chapter 02: Fluid, Electrolyte, and Acid-Base Imbalances

Test Bank

MULTIPLE CHOICE

1. Choose the correct proportion of water to body weight to be expected in a healthy male adult's body:
- 30%
 - 45%
 - 60%
 - 70%

ANS: C REF: 15

2. Choose the correct proportion of blood (to body weight) in an adult male's body:
- 30%
 - 20%
 - 10%
 - 4%

ANS: D REF: 15

3. Insensible fluid loss refers to water lost through:
- perspiration only.
 - feces only.
 - perspiration and expiration.
 - urine and feces.

ANS: C REF: 15

4. When the osmotic pressure of the blood is elevated above normal, water would shift from the:
- blood into the cells.
 - interstitial compartment into the cells.
 - interstitial compartment into the blood.
 - cells into the interstitial compartment.

ANS: C REF: 16

5. Which of the following would result from a deficit of plasma proteins?
- Increased osmotic pressure
 - Decreased osmotic pressure
 - Increased hydrostatic pressure
 - Decreased hydrostatic pressure

ANS: B REF: 16

6. Which of the following would cause edema?
- Decreased capillary hydrostatic pressure
 - Increased capillary osmotic pressure
 - Decreased capillary permeability
 - Increased capillary permeability

ANS: D REF: 16-19

7. Which of the following would likely be related to an elevated hematocrit reading?
- Fluid excess
 - Fluid deficit
 - Increased sodium level
 - Decreased erythrocytes

ANS: B REF: 23-24

8. Which of the following is a typical sign of dehydration?
- Rapid, strong pulse
 - Low hematocrit
 - Increased urine output
 - Rough oral mucosa

ANS: D REF: 21

9. Which of the following terms refers to a combination of decreased circulating blood volume combined with excess fluid in a body cavity?
- Dehydration
 - Third-spacing
 - Hypovolemia
 - Water retention

ANS: B REF: 21

10. Which of the following is the primary cation in the extracellular fluid?
- Sodium
 - Potassium
 - Calcium
 - Iron

ANS: A REF: 21

11. Which of the following is a common cause of hyponatremia?
- Loss of the thirst mechanism
 - Excessive sweating
 - Excessive aldosterone secretion
 - Prolonged period of rapid, deep respirations

ANS: B REF: 22-23

12. Which of the following is a common effect of both hypokalemia and hyperkalemia?
- Skeletal muscle twitch and cramps
 - Oliguria
 - Elevated serum pH
 - Cardiac arrhythmias

ANS: D REF: 26

13. Choose the correct effect of increased parathyroid hormone.