

Question 1 :

Which organism is responsible for the development of syphilis?

- Neisseria syphilis*
- ✓ **Treponema pallidum**
- Haemophilus ducreyi*
- Chlamydia trachomatis*

Question 2. :

Kidney stones in the upper part of the ureter would produce pain referred to which anatomical area?

- Vulva or penis
- ✓ **Umbilicus**
- Thighs
- Lower abdomen

Question 3.:

Carcinoma refers to abnormal cell proliferation originating from which tissue origin?

- Blood vessels
- ✓ **Epithelial cells**
- Connective tissue
- Glandular tissue

Question 4.

Which immunoglobulin is present in blood, saliva, breast milk, and respiratory secretions?

- ✓ **IgA**
- IgE
- ✓ **IgG**
- IgM

Question 5.

What period follows depolarization of the myocardium and represents a period during which no new cardiac potential can be propagated?

- ✓ **Refractory**
- Hyperpolarization
- ✓ **Threshold**
- Sinoatrial (SA)

Question 6.

Stress-induced norepinephrine results in:

- Pupil constriction
- ✓ **Peripheral vasoconstriction**
- Increased sweat gland secretions
- Decreased blood pressure

Question 7.

What is the suggested mean blood pressure for an 8- to 9-year-old child?

- 104/55 mm Hg
- ✓ **106/58 mm Hg**
- 112/62 mm Hg
- 121/70 mm Hg

Question 8.

Graves disease is a result of:

- Increased levels of circulating immunoglobulins
- The infiltration of the thyroid with T lymphocytes
- Autoantibodies binding to thyroid-stimulating hormone (TSH)-**receptor sites**
- Exposure to acetylates in substances such as rubber

Question 9.

Which statement is *true* regarding pain and cancer?

- Pain is primarily a result of pressure caused by the tumor.
- Pain indicates the metastasis of a cancer.
- Pain is usually the initial symptom of cancer.
- Pain is generally associated with late-stage cancer.**

Question 10.

Continued therapy of pernicious anemia (PA) generally lasts

how long?

- 6 to 8 weeks
- 8 to 12 months
- Until the iron level is normal
- ✓ **The rest of one's life**

Question 11.

Which of the following are formed elements of the blood that are not cells but are disk-shaped cytoplasmic fragments essential for blood clotting?

- Monocytes
- ✓ **Platelets**
- Macrophages
- Erythrocytes

Question 12. Question :

The ability of the pathogen to invade and multiply in the host is referred to as:

- ✓ **Infectivity**
- Toxigenicity
- Pathogenicity
- Virulence

Question 13.

Why is the herpes virus inaccessible to antibodies after the initial infection?

- ✓ **The virus does not circulate in the blood.**
- It does not have antibody receptors.
- It resists agglutination.

- The virus is a soluble antigen.

Question 14.

Which normal physiologic change occurs in the aging pulmonary system?

- Decreased flow resistance
- Fewer alveoli
- ✓ Stiffening of the chest wall
- Improved elastic recoil

Question 15. Question :

Which type of microorganism reproduces on the skin?

- Viruses
- ✓ Bacteria and fungi
- Protozoa and *Rickettsiae*
- Mycoplasma*

Question 16.

The common hay fever allergy is expressed through a reaction that is mediated by which class of immunoglobulins?

- ✓ IgE
- IgG
- IgM
- T cells

Question 17.

Obesity creates a greater risk for dehydration in people because:

- ✓ Adipose cells contain little water because fat is water repelling.
- The metabolic rate of obese adults is slower than the rate of

lean adults.

- The rate of urine output of obese adults is higher than the rate of output of lean adults.
- The thirst receptors of the hypothalamus do not function effectively.

Question 18.

The World Health Organization (WHO) defines grade 1 (overweight) as a BMI of:

- 18.5 to 24.9
- ✓ 25 to 29.9
- 30 to 39.9
- 40 to 50.9

Question 19.

Which type of anemia occurs as a result of thalassemia?

- ✓ Microcytic, hypochromic
- Microcytic, normochromic
- Macrocytic, hyperchromic
- Macrocytic, normochromic

Question 20.

The area of the kidneys that contains the glomeruli and portions of the tubules is called the:

- Medulla
- ✓ Cortex
- Pyramids
- Columns

Question 21.

At birth, which statement is *true*?

- Systemic resistance and pulmonary resistance fall.
- ✓ Gas exchange shifts from the placenta to the lung.
- Systemic resistance falls and pulmonary resistance rises.

- Systemic resistance and pulmonary resistance rise.

Question 22.

On average, what percent of cardiac output do the kidneys receive?

- 10% to 20%
- 15% to 20%
- ✓ 20% to 25%
- 30% to 35%

Question 23.

How is the effectiveness of vitamin B₁₂ therapy measured?

- ✓ Reticulocyte count
- Serum transferrin
- Hemoglobin
- Serum vitamin B₁₂

Question 24.

What characteristic do atopic individuals have that make them genetically predisposed to develop allergies?

- Greater quantities of histamine
- More histamine receptors
- ✓ Greater quantities of IgE
- A deficiency in epinephrine

Question 25.

What is the major virus involved in the development of cervical cancer?

- Herpes simplex virus type 6
- Herpes simplex virus type 2
- ✓ Human papillomavirus
- Human immunodeficiency virus