

1. The coronary ostia are located in the:

Left ventricle
Aortic valve
Coronary sinus
Aorta

2. Where in the respiratory tract do the majority of foreign objects aspirated by children finally lodge?

Trachea
Left lung
Bronchus
Bronchioles

3. Which type of antibody is involved in type I hypersensitivity reaction?

IgA
IgE
IgG
IgM

4. Hypersensitivity is best defined as a(an):

Disturbance in the immunologic tolerance of self-antigens
Immunologic reaction of one person to the tissue of another person
Altered immunologic response to an antigen that results in disease
Undetectable immune response in the presence of antigens

5. What is the final stage of the infectious process?

Colonization
Invasion
Multiplication
Spread

6. The function of the foramen ovale in a fetus allows what to occur?

Right-to-left blood shunting
Left-to-right blood shunting
Blood flow from the umbilical cord
Blood flow to the lungs

7. What physical sign is the result of turbulent blood flow through a vessel?

Increased blood pressure during periods of stress
Bounding pulse felt on palpation
Cyanosis observed on excretion
Murmur heard on auscultation

8. Which statement concerning benign tumors is true?

The resulting pain is severe.
Benign tumors are not encapsulated.
Benign tumors are fast growing.
The cells are well-differentiated.

9. It has been determined that a tumor is in stage 2. What is the meaning of this finding?

Cancer is confined to the organ of origin. Cancer has spread to regional structures. **Cancer is locally invasive.**
Cancer has spread to distant sites

10. What is the primary problem resulting from respiratory distress syndrome (RDS) of the newborn?

Consolidation
Pulmonary edema
Atelectasis
Bronchiolar plugging

11. Which statement is true concerning the IgM?

IgM is the first antibody produced during the initial response to an antigen.
IgM mediates many common allergic responses.
IgM is the most abundant class of immunoglobulins.
IgM is capable of crossing the human placenta.

12. Apoptosis is a(an):

Normal mechanism for cells to self-destruct when growth is excessive
Antigrowth signal activated by the tumor-suppressor gene Rb
Mutation of cell growth stimulated by the TP53 gene
Transformation of cells from dysplasia to anaplasia

13. Which complex (wave) represents the sum of all ventricular muscle cell depolarization?

PRS
QRS
QT interval
P

14. Which organism is a common sexually transmitted bacterial infection?

Staphylococcus aureus
Clostridium perfringens
Helicobacter pylori
Treponema pallidum

15. Which organ is stimulated during the alarm phase of the general adaptation syndrome (GAS)?

Adrenal cortex
Hypothalamus
Anterior pituitary
Limbic system

16. What is the role of caretaker genes? **Maintenance of genomic integrity**

Proliferation of cancer cells
Secretion of growth factors
Restoration of normal tissue structure

17. Where are antibodies produced?

Helper T lymphocytes Thymus gland **Plasma cells**