

23. To identify participants based on their disease / outcome status, compare presence of risk factor:

- A. Case-control
- B. Experimental
- C. Cross-sectional
- D. None of these

24. ____ is an example of arthropod vector borne disease?

- A. Avian influenza
- B. Tuberculosis
- C. Spirochetosis
- D. CRD

25. Latent infection is seen in viral infections EXCEPT:

- A. HIV
- B. EBV
- C. Rotavirus
- D. Cytomegalovirus (CMV)

26. Endotoxin for Gram-negative organism is:

- A. Polysaccharide
- B. Glycoprotein
- C. Lipoprotein
- D. Lipopolysaccharide

27. Which of the following is not an oncogenic virus?

- A. HTLV-1
- B. Adenovirus
- C. Papilloma virus
- D. HBV

28. Which of the following is obligate anaerobe?

- A. Clostridium
- B. *Bacillus*
- C. *Staphylococcus*
- D. *Klebsiella*

29. ____ refers only to the number of new cases of a disease occurring in a given period.

- A. % positivity
- B. Prevalence
- C. Hyperendemic
- D. Incidence

30. Fungi that possess a capsule is:

- A. *Candida*
- B. *Aspergillus*
- C. *Cryptococcus*
- D. *Mucor*

31. The dose required to kill 50% of the lab animals tested under standard called ____.

- A. ID₅₀
- B. MLD₅₀
- C. TCID₅₀
- D. LD₅₀

32. All are used in Gram's staining, EXCEPT:

- A. Methylene blue
- B. Iodine
- C. Safranin
- D. Crystal violet

33. Viruses do not contain:

- A. DNA
- B. RNA
- C. Enzyme
- D. Cell wall

34. ____ is chain forming, & round shaped bacteria.

- A. *Pneumococcus*
- B. *Streptococcus*
- C. *Staphylococcus*
- D. *Diplococcus*

35. All the following can be zoonotic EXCEPT:

- A. Influenza A H5N1
- B. Hantaviruses
- C. Polioviruses
- D. Rabies

36. Presence of maternal Abs ____ the effect of vaccine.

- A. Antagonize
- B. Enhance
- C. Synergize
- D. Complement

37. A diagnostic test lacking in ____ results in false positive results.

- A. Specificity
- B. Predictive value
- C. Sensitivity
- D. Reproducibility

38. Which one of the following is NOT included in innate immune response?

- A. phagocytosis
- B. complement activation
- C. antibodies production
- D. NK cells activation

39. Viruses are:

- A. Obligate intracellular parasites
- B. Have their own metabolism
- C. Divide by binary fission
- D. Have both DNA and RNA

40. The vector of plague is:

- A. Flies
- B. Mosquitoes
- C. Ticks
- D. Fleas

41. Positive tuberculin test is an example of:

- A. hypersensitivity type-I
- B. hypersensitivity type-II
- C. hypersensitivity type-III
- D. hypersensitivity type-IV

42. Process of binding primer to DNA template is called:

- A. Denaturation
- B. Annealing
- C. Extension
- D. Bounding

43. ____ reagent is used to precipitate DNA.

- A. Isopropanol
- B. SDS
- C. Phenol
- D. Chloroform

44. ____ enzyme is used to synthesize DNA using an mRNA template.

- A. Taq polymerase
- B. Alkaline Phosphatase
- C. Reverse transcriptase
- D. Nuclease

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on rectilinear motion with either uniform velocity or uniform acceleration are included the concepts of displacement distance velocity speed acceleration are thoroughly discussed

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web step 1 draw a diagram to represent the relationship between the distances involved in the problem step 2 set up a chart based on the formula rate time distance step 3 use the chart to set up one or more equations step 4 solve the equations we will look at three types of motion word problems two objects going in opposite directions

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web 1 motion 1 1 1 speed velocity and acceleration 1 1 2 free fall 8 high school for their input in writing editing and solving exercises in this book finally i give my heartfelt thanks to my husband paul hickman for his countless hours proofreading editing and problem solving and for his unending support and encouragement throughout