

27. Ritonavir used in HIV treatment is inhibitor.
- A) Protease
 - B) Integrase
 - C) Nuclease
 - D) Reverse transcriptase
28. *Streptomyces venezuelae* is used for production of
- A) Streptomycin
 - B) Chloramphenicol
 - C) Penicillin
 - D) Polymyxin
29. Trimethoprim blockssynthesis.
- A) Cell wall
 - B) Folic acid
 - C) Cell membrane
 - D) Protein
30. Carbapenems blocks synthesis of
- A) Cell wall
 - B) Cell membrane
 - C) Protein
 - D) Nucleic acid
31. belongs to first generation quinolones.
- A) Ciprofloxacin
 - B) Levofloxacin
 - C) Sparfloxacin
 - D) Nalidixic acid

32. SSC mec type XI genes are responsible for.....resistance.
- A) Gentamycin
 - B) Tobramycin
 - C) Ketoconazole
 - D) Methicillin
33. Kirby Bauer method is used to detect test.
- A) Sensitivity
 - B) Antibiotic sensitivity
 - C) Strain positive
 - D) Chemotherapeutic index
34. In TCR a long cytoplasmic tail of alpha chain made up of amino acids.
- A) 244
 - B) 246
 - C) 248
 - D) 250
35. Inhibitory receptors occurs on.....cell.
- A) K
 - B) NK
 - C) Macrophage
 - D) Basophils
36. Cytotoxic cell kills pathogen through pathway.
- A) Salvage
 - B) Endocytic
 - C) Cytosolic
 - D) Granzyme

37. Memory cell in AMI rich in large number of.....on its surface.
- A) Immunoglobulins B) Antigens
C) Villi D) Co-receptors
38. Plasma cells are produced from.....cells.
- A) T cytotoxic B) T helper
C) NK D) B
39. Antibody produced in primary immune response are
- A) IgG B) IgM
C) IgD D) IgE
40. IL-4, 13 causes class switching to.....antibody.
- A) IgG B) IgA
C) IgD D) IgE
41. is an example of killed vaccine
- A) Measles B) Mumps
C) Rubella D) TAB
42. In the production of recombinant vaccine.....is used as vector.
- A) Vaccinia virus
B) Vibrio spp
C) Salmonella spp
D) Shigella spp

62. is an example of ammonia oxidizing bacteria.
- A) Thiobacillus thiooxidans
 - B) Nitrosococcus
 - C) Bacillus subtilis
 - D) E.coli
63. A nucleoside consists of
- A) Sugar + phosphate
 - B) Sugar + base
 - C) Base + phosphate
 - D) Sugar + base + phosphate
64. Identify the this (CH₃-CO-COOH) component.
- A) Succinate
 - B) Pyruvate
 - C) Fumarate
 - D) Malate
65. In Lac operon, when lactose levels are high and glucose levels are low of the following happens.
- A) cAMP levels decrease, triggering binding of CAP to RNA polymerase
 - B) cAMP activates CAP, which binds to the Lac promoter
 - C) cAMP activates CAP, which binds to the Lac repressor protein
 - D) CAP binds to the ribosome to prevent translation

66. is the primary acceptor of CO₂ in assimilation of carbon.
- A) Ribose 5-phosphate
 - B) Ribulose 5-phosphate
 - C) Ribulose 1,5-diphosphate
 - D) Ribose 1,5,diphosphate
67. Area on the root surface is called region.
- A) Phyllosphere
 - B) Lithosphere
 - C) Rhizoplane
 - D) Photosphere
68. In acetylene reduction test of nitrogen fixation, the strain which has more nitrogenase activity produces more.....gas.
- A) Acetylene
 - B) Ethylene
 - C) Propylene
 - D) Nitrogen
69. The pink colour of root nodule is due to presence of product
- A) Hemoglobin
 - B) Alpha hemoglobin
 - C) Beta hemoglobin
 - D) Leg hemoglobin
70. is an example of commensalism.
- A) Rhizobium
 - B) Lichen
 - C) Nonpathogenic E.coli
 - D) Thiobacillus

83. Reverse transcriptase is also called as
- A) DNA-dependent RNA polymerase
 - B) RNA-dependent DNA polymerase
 - C) DNA-dependent DNA polymerase
 - D) RNA-dependent RNA polymerase
84. In.....PCR second set of specific primers are used.
- A) Nested PCR
 - B) Hot-start PCR
 - C) High fidelity PCR
 - D) Arbitrary primed PCR
85. enzyme is not a cutting enzyme.
- A) exonuclease III
 - B) Restriction endonuclease
 - C) alkaline phosphatase
 - D) DNA polymerase
86. Prions are..... molecules.
- A) infectious single stranded RNA
 - B) non infectious single stranded RNA
 - C) infectious proteins
 - D) non infectious proteins

87. Viruses are inactivated by
- A) Chlorination
 - B) Acidic pH
 - C) Organic iodine compound
 - D) Ionising radiation
88. Seller's stain is used for the demonstration of virus in clinical sample.
- A) Rabies
 - B) CMV
 - C) Measles
 - D) Herpes
89. The smallest known infectious agent consisting of small circular RNA molecule is called as
- A) Prions
 - B) Virus
 - C) Viroid
 - D) Bacteria
90. enzymes play role in phage DNA replication and recombination.
- A) Glucosylation
 - B) Polymerases and ligases
 - C) Nucleases
 - D) Endonucleases
91. is clear, visible, and circular area on a lawn of host cells.
- A) Pock
 - B) Plaque
 - C) Lesion
 - D) Tumour

