

I Approve
The Rector of the University of Traditional Medicine

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2020-2021 ACADEMIC YEAR ENTRANCE EXAMINATION OF
BIOLOGY
QUESTIONNAIRE

1. Which kind of plant roots do you know?
2. The skeleton and muscles of birds.
3. The structure of neuron and its types.
4. How many different shapes of bacteria are there?
5. What does the messenger RNA do during the protein synthesis?
6. What is the turgid plant cell?
7. What part of your body never stops growing?
8. Do seals eat shrimps?
9. Enzymes and antibodies are two types of what?
10. How does the structure of the stigma aid in pollination?
11. What do tuataras eat?
12. Ecology: the conditions of life on the Earth.
13. Define the Golgi body?
14. Is there DNA in your food? How do you know?
15. Is a wolf a scavenger?
16. Plants that produced their gametes in flowers are called?
17. What does the parasitism mean?
18. What is lock jaw?
19. Define digestive system?
20. What is the purpose of the cicadas?
21. Which part of cellular respiration produces the most ATP?
22. What is gene splicing?
23. What is the relationship between heredity and genetics?
24. What is the cross pollination?
25. What is the principle of common descent?
26. What is the balanced chemical equation for photosynthesis?
27. What is a coleoptile?
28. Why lipids are considered organic?
29. What is the diploid cell?

30. What is the bilateral symmetry?
31. What is the vascular tissue?
32. What do mature frogs breathe?
33. Is a beetle an invertebrate?
34. Is a cow a producer, consumer or decomposer?
35. What is an uncontrolled cell division?
36. How many chromosomes are created when DNA replicates?
37. Define the essential amino acids?
38. What substance is transported by aquaporin?
39. Where are genes located?
40. Compare and contrast asexual and sexual reproduction?
41. What does it mean – trisomia? When is it happen?
42. What part of the cell cycle results in daughter cells?
43. Is a bison an herbivore?
44. Are oaks tree producers?
45. Why the heat and alcohol are used to disinfect medical equipment?
46. What happens to food energy during photosynthesis and cellular respiration?
47. Does lobster feel pain when boiled?
48. Define large intestine?
49. What is the difference between inversion and translocation?
50. Which scientist first investigated the living cells?
51. What does it mean “the gene allele”?
52. Is grass abiotic or biotic?
53. Why are invasive species dangerous to the environment?
54. Describe the permeability of the cell?
55. Is a worm an herbivore, carnivore or omnivore?
56. What four substances are recycled during the photosynthesis and respiration?
57. Why did Gregor Mendel use peas in his experiments?
58. The pigment in human blood that carries oxygen?
59. Which bacteria is extracted N_2 (nitrogen) into atmosphere?
60. What type of the macromolecule are enzymes?
61. What are the two main parts of the viruses?
62. What type of the biological molecule is DNA helicase?
63. What are ears made of?
64. What is the end result of meiosis?
65. The life forms of the biosphere are located in?
66. What are some circumstances in which cells use exocytosis?
67. What is the difference between natural selection and evolution?
68. Which RNA base pairs with the adenine in DNA?
69. How does the animal like protists different from plant like protists?

70. What 4 things do all types of cell have?
71. Name the cell organelle that helps to synthesize the protein?
72. Are lions warm or cold-blooded?
73. A zygote consists of how many cells?
74. In which kind of organism the arterial blood is not mixed with venous blood?
75. What is the relationship between consumers and producers?
76. Where is the ATP synthesized?
77. What produces ribosomes?
78. What do fungi have in common with animals?
79. How does the water get to the top of the tree?
80. What is the best method to sterilize the heat labile substances?
81. How do the two types of fermentation differ?
82. Do catfish have bones?
83. Is respiration defined as breathing?
84. What does describe the structure of DNA?
85. Why are the viruses considered to be non-living?
86. How do ecologists measure population density?
87. Why is meiosis important in sexual reproduction?
88. Describe how amino acids bind to tRNA?
89. Are fungi prokaryotic or eukaryotic?
90. What is the hybrid?
91. What is specific for mammals?
92. The food chains and their action in the development of ecosystems.
93. Bring the examples of symbiosis, parasitism and mutualism.
94. What is the mimicry?