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B.Sc. SEM 1(OLD COURSE)
JULY-SEP-2021
BIOTECHNOLOGY(Elective Subjective)
BIOLOGICAL EVOLUTION

કુલ સમય :– ૩૦ મીનીટ કુલ પ્રશ્નો : ૩૫ વિદ્યાર્થીએ ટીક કરવાના પ્રશ્નો : ૨૫
નોંધ : વિદ્યાર્થીએ માત્ર ૨૫ પ્રશ્નો જ ટીક કરવાના રહેશે. જો વધારે ટીક કરેલ હશે તો પ્રથમ ૨૫ પ્રશ્નો જ ગણતરીમાં લેવામાં આવશે.

1. Darwin proposed mechanism of speciation by
a. Allopatric speciation b.Anagenesis c.Sympatric speciation d.Cladogenesis
2. According to Darwin, Most critical factor for evolution is
a. Mutation b.Migration c.Genetic drift d.Natural selection
3. Which island name is mentioned by Darwin as "Living laboratory of evolutionary samples"?
a. Galapagos b.Macau c.Madagascar d.Grand cayman
4. According to Darwin ,all these factor leads to struggle for existence except
a. Intra specific competition b.Inter specific competition
b.c.Exotic species introduction d.Environmental changes
5. Prokaryotic animals lie in kingdom
a. Monera b.Fungi c.Protista d.Plantae
6. Which is true about virus?
a. Acellular b.Multicellular c.Unicellular d.Bicellular
7. The force that initiates evolution is ------
a. Adaptation b.Mutation c.Variation d.Extinction
8. The earliest geological time period among the following is
a. Quaternary b.Permian c.Cambrian d.jurassic
9. Observation of species on _____greatly inspired Darwin's theory of evolution.
a. Faroe Islands b.Galapagos Islands c.Ilha da grande d.Gautemala
10. Which was considered as a missing link between birds and reptiles ?
a. Caudipteryx b.Pteranodon c.Ayimimus d.Archaeopteryx
11. The last common ancestor of human is
a. Pan troglodytes b.Lemuroidea c.Dromaeosaurus d.Homo neanderthalensis
12. Origin of species was written by
a. Charles Darwin b.Mikhail A.Fedonkin c.Ludmila kuprianoya d.None of above
13. When did dinosaurs die off?
a. 75.5 million years ago b.65.5 million years ago c.105.1 million years ago d.None of above
14. The oldest mineral discovered was _____,which dates back to 4.4 billion years.
a. Cadmium b.Iron c.Zircon d.silicon
15. Which condition can be explained by Lamarckism?
a. How humans lost their tail b.How humans became bipedal
b.c.How giraffes got their long neck d.All of above
16. Which coat of polar bear help them to
a. Dry faster b.Stay healthy c.Look big d.Camouflage
17. As long as two species occupy different niches, there is
a. No competition b.Competition c.Polymorphism d.No polymorphism
18. Adaptation is caused by
a. Darwin's natural selection b.Lamarack's idea c.Hardy d.Weinberg
19. Which is the key to speciation of populations ?
a. Population growth b.Extinction c.Reproductive health d.Reproductive isolation
20. Which speciation enables production of hybrids between two species?
a. Bottleneck b.Allopatric speciation c.Parapatric speciation d.sympatric
21. Which is not a reproductive isolating mechanism?
a. Temporal isolation b.Ecological isolation c.Individual isolation d.Behavioral isolation
22. Which one is used for knowing whether or not a population is evolving?
a. Genetic drift b.Degree of evolution c.Hardly Weinberg equation d.proportion
23. The evolution of species is based on sum total of adaptive changes preserved by
a. Isolation b.Natural selection c.Speciation d.conservation
24. quick change in phenotype in a small band of colonizers is called
a. Bottle neck b.Genetic founder c.Genetic flow d.Founder effect
25. Which is related to reproduce isolation?
a. Temporal isolation b.Behavior isolation c.Genetic isolation d.All of above