

11. Lateral line system is present in
 - a. Fish
 - b. Bird
 - c. Reptile
 - d. Mammal
12. Theory of natural selection was proposed by
 - a. Lamark
 - b. Darwin
 - c. De Vries
 - d. Haekel
13. Why did population of moths changed?
 - a. Predators were easily able to easily see their prey.
 - b. People hunted lighter coloured moth
 - c. Light coloured moths were killed by smoke from industries
 - d. None of the above
14. Batesian mimicry is
 - a. When two or more unpalatable species resemble to each other
 - b. Palatable species imitate unpalatable species
 - c. Attracts its prey by blending to its surrounding
 - d. Behave as dead bodies
15. In 1838, Darwin went through an essay on 'The Principles of Populations' which was written by
 - a. Wallace
 - b. Huxley
 - c. Lyell
 - d. R.Malthus
16. Analogous structures are result of
 - a. Convergent evolution
 - b. Divergent evolution
 - c. Shared ancestry
 - d. Stabilizing selection
17. Industrial melanism is an example of
 - a. Neo- Darwinism
 - b. Mutation
 - c. Darwinism
 - d. Natural selection
18. The struggle for food and space is greatest between
 - a. Closely relate species of same niche
 - b. Unrelated species of same niche
 - c. Closely related species of different niche
 - d. Unrelated species of different niche
19. These are long to help keep the sand out of camel's eye
 - a. Nostrils
 - b. Eyelids
 - c. Hair
 - d. Eyelashes
20. This type of movement involves no propulsion other than initial force of jumping
 - a. Gliding flight
 - b. True flight
 - c. Flapping flight
 - d. None of these

(PART-B : Descriptive)

Time : 2 hrs. 40 min.

Marks : 50

[Answer question no.1 & any four (4) from the rest]

1. Define Dentition. Write the general Characteristics of Mammals. 2+8=10
2. Define Air Bladder. Write Briefly about the Functions of air bladder 2+8=10
3. Describe parental Care shows by the Amphibian. 10
4. Describe about the Metamorphosis Shows by the Herdmania with the suitable diagram 10
5. What is Darwin's theory of natural selection? Write its five basic postulates 10
6. What is Industrial melanism, explain how it is an example of natural selection in action 8
7. What is mimicry. Discuss its various types. Write the significance of mimicry 3+6+2
8. Compare the anatomy of vertebrate heart 10

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