EVOLUTION

1. Stellar distance is measured in :
(1) Kilometer (2) Light years
(3) Per socond (4) None

2. Darwin worked on, which island for explanation of natural selection ?
(1) Malay archipelago (2) Galapagos
(3) Sumatra (4) Port Blaier

3. During natural selection which variety of *Biston betularia* was completely wiped out from England?
(1) White winged moth
(2) Dark winged moth
(3) Both of them
(4) None of them

4. What was the food habit of the original variety of Darwin's finches from which many other varieties were developed ?2
(1) Seed eater (2) Cactus eater
(3) Wood pecker (4) Fruit eater

5. Tasmanian Wolf, Tiger Cat, Sugar glider are example of :
(1) Convergent evolution
(2) Adaptive radiation
(3) Australian marsupials
(4) 2 and 3 both

6. Which of the following statements is true ?
(1) During evolution, the rate of appearance of new form of organisms is linked to the life cycle/life span.
(2) The essence of Darwinian theory is natural selection.
(3) Fitness is based on characteristics which are inherited.
(4) All of them

7. What were two main key points of Darwinian theory of natural selection ?
(1) Branching descent
(2) Natural selection
(3) Fitness
(4) Both 1 and 2

8. During evolution the first cellular form of life appeared before how many million years ?
(1) 2000 (2) 400
(3) 100 (4) 50

9. The biggest dinosour, which appeared during evolution was :
(1) *Thecodont*
(2) *Stegosaurus*
(3) *Triceratops*
(4) *Tyrannosaurus rex*

10. Mutations are :
(1) Random
(2) Directionless
(3) Both 1 and 2
(4) Always small

11. Fore limbs of whale, bat, cheetah and human are example of :
(1) Analogous organs
(2) Homologous organs
(3) Homoplastic organs
(4) Vestigial organs

12. Hugo de vries called the single step large mutation as :
(1) Mutation (2) Sports
(3) Micro evolution (4) Saltation

13. Stanley Miller performed his experiment for explanation of origin of life, in which year ?
(1) 1953 (2) 1970
(3) 1870 (4) 1960

14. Which was absent in Miller's experiment ?
(1) Vacuum pump (2) Electrodes
(3) Condenser (4) None

15. During human evolution the body of which primitive ancestors covered by hairs and walk they walked gorilla and chimpanzee?
(1) *Dryopithecus* and Cromagnon man
(2) *Dryopithecus* and *Ramapithecus*
(3) *Ramapithecus* and *Homo habilis*
(4) Java man and Peking man

16. Cranial capacity of *homo erectus* was about :
(1) 650-800 cc (2) 1400 cc
(3) 900 cc (4) 1600 cc

17. Why, pouched mammals survived in Australia?
(1) Divergent evolution
(2) Continental drift
(3) Adaptive radiation
(4) Convergent evolution.

18. Dinosours disappeared around :
(1) 200 million years ago (2) 20 million years ago
(3) 65 million years ago (4) 65 billion years ago

19. The animals which evolved into the first amphibian that lived on both land and water, were :
(1) Jawless fish (2) Lobefins
(3) Ichthyosours (4) Shrew

20. In which type of natural selection the peak gets higher and narrower ?
(1) Stabilising selection (2) Directional selection
(3) Disruptive selection (4) None of these

21. Out of the following the theory of natural selection is based on certain observations, which are :
(A) Natural resources are limited
(B) Populations are stable in size except for seasonal fluctuations.
(C) Members of a population vary in characteristics even though they look superficially similar
(D) Most of variations are inherited
(1) A, C and D (2) A, B, C and D
(3) B and C (4) A, B and C

22. The process of evolution of different species in a given geographical area starting from a point and literally radiating to other areas is called as :
(1) Convergent evolution
(2) Adaptive radiation
(3) Parallel evolution
(4) Continental drift

23. The industrial melanism phenomenon demonstrate:
(1) Gene mutation (2) Genetic drift
(3) Natural selection (4) Migration

24. When more than one adaptive radiation appeared to have occurred in an isolated geographical area, it is called as :
(1) Divergent evolution (2) Convergent evolution
(3) Parallel evolution (4) Continental drift

25. Out of the following which is an example of convergent evolution ?
(A) Eyes of octopus and mammals
(B) Flippers of penguins and Dolphins
(C) Sweet potato and potato
(1) A and C (2) A and B
(3) B and C (4) A, B and C

26. In some animals, the same structures developed along different directions due to adaptions to different needs this is called as :
(1) Divergent evolution (2) Convergent evolution
(3) Parallel evolution (4) None of these

27. Conventional religious literature tells us about the theory of special creation. Which of the following is/are included in the theory ?
(1) All living organisms that we see today were created as such
(2) The diversity was always the same since creation and will be the same in future.
(3) Earth is about 4000 year old.
(4) All of these

ANSWERS KEY

Que.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Ans.	2	2	4	1	4	4	4	1	4	3	2	4	1	4	2	3	2	3	2	1
Que.	21	22	23	24	25	26	27													
Ans.	2	2	3	2	4	1	4													