

BHARATH COACHING CENTRE

10th CBSE

Science

Total: 75

Biology Full Test

Time: 2.30 hrs

SECTION – B

2 X 10 = 20

1. How is reproduction a function of specific cells?
2. How will an organism be benefited if it reproduces through spores?
3. What advantages do plants have by bearing seeds?
4. What is the role of seminal vesicles and prostate gland?
5. Mark labelled sketches showing the structure of a gram seed. Mention the function of parts of the embryo?
6. How do genes control the characteristic of an organism?
7. How is equal genetic contribution of male and female parents ensured in the progeny?
8. Differentiate artificial and natural selection.
9. How is the age of a fossil classified?
10. Why are the small numbers of surviving tigers a cause of worry from point view of genetics?

SECTION – C

3 X 5 = 15

11. What is placenta? Describe its structures.
12. What are the two methods of transfer of germ cells for fertilization? Give example
13. How do the oral pills function as contraceptives? What way can they?
14. How are the areas of study-evolution and classification interlinked?
15. Justify the statement “evolution should not be equated with progress”.

SECTION – D

5 X 8 = 40

16. How Mendel's do experiments show that traits be dominant or recessive?
17. How are characteristics (or traits) of the parents transmitted to progeny? Explain with an example.
18. What is meant by 'homologous organs' and 'analogous organs'? Explain with examples.
19. Define 'speciation'. Explain hoe speciation occurs.
20. a) Draw a diagram illustrating fertilization in a following plant and label on it pollen grain, male germ cell, female germ cell, stigma.
b) Describe the process of fertilization in plants.
21. a) Draw a labeled diagram of the reproductive system of a human female.
b) What happens to the lining of the uterus?
 - i) Before release of a fertilized egg
 - ii) If no fertilization of the ovum occurs
22. a) Why are testes outside the abdominal cavity of the body?
b) What could be the reasons for adopting contraceptive method?
23. Why is vegetative propagation practiced for growing some types of plants
24. What is seed? What are the parts of a seed? Explain with help of a diagram.
25. a) Why mensuration does occur? b) Discuss the steps involved in sexual reproduction.