

CLASS XII MODEL EXAMINATION 2010 ZOOLOGY

Max Score-30

Time - 1 hour

1. The milk produced by the mother for the first few days is important for the baby, not only energetically but also for some other reasons
 - a) What is it called?.
 - b) Mention its importance.2 score
2. Testis like ovary develops within the pelvic cavity but in later part of development testis descends out of the abdominal cavity. What would be the reason for it?
1 score
3. A diagnostic technique in which a sample of amniotic fluid is taken from the womb of a pregnant woman at early stages of foetal development
 - a) Name the method
 - b) What can be detected by this?
 - c)2 score
4. Find out from the list the male accessory reproductive organs

Uterus, Seminal vesicle, Fallopian tube, Prostate,
1 score
5. Surgical methods are generally advised for male and female partners as an alternative method to prevent any more pregnancies
 - a) Name the procedure in case of male and female1 score
6. Name a cross where progenies can easily be analysed to predict the genotype of the parent organism
1 score
7. What is the advantage of presence of sickle cell allele in heterozygous condition?
1 score
8. Explain the term co-dominance with an example
3 score
9. DNA replicates through semi-conservative method. Give experimental support given by Meselson and Stahl.
3 score
10. Make a list of salient features of genetic code
3 score
11. Industrial melanism is an example of natural selection. Substantiate on the statement
3 score
12. Classify the following examples of homology and analogy

- a) Heart of fish crocodile
 - b) Eye of octopus and mammal
 - c) Fore limb of man and horse
 - d) Wing of bird and butterfly
- 2 score

13. Innate immunity is produced by certain barriers in the body. Name them with suitable examples 2 score

14. How is a cancerous cell different from a normal cell? 3 score

15. Find out the name of the microbes from which cyclosporin A and statin are obtained 1 score

16. The invasion of an alien species is responsible for extinction of indigenous species. Give example to support this statement 1 score