Std. 12 Time : 1½hr.
11-12-2015 Second Unit Test in BIOLOGY M. Marks: 35

1. Distinguish between Cry and cry. (1)

2. What are palindromes? (1)

3. What is Allen's rule? (1)

4. What is meant by saying that the energy flow in an ecosystem is unidirectional? (1)

5. Differentiate between gene therapy and gene cloning. (2)

6. What does S-shaped pattern of population growth represent?
How is J- shaped pattern is different from it and why? (2)

7. Why is secondary succession faster than the primary succession? (2)

8. What is Ecological Pyramid? Describe the different types of pyramids. (3)

9. Name and explain the kind of interaction in the following :- (3)
   a) Algae and Fungi in Lichen.
   b) Head louse and Human.
   c) Hermit Crab and Sea Anemone.

10. Answer briefly :- (3)
    a) Why do human beings sweat in summers?
    b) Why do people living in high altitude have more haemoglobin / high R.B.C. count?
    c) If a marine fish is placed in a fresh water aquarium, will the fish be able to survive?

11. Give a diagrammatic representation of recombinant D.N.A. technology. (3)

12. Write a brief account of genetically engineered insulin. (3)

13. Describe briefly the features of a cloning vector.
(OR)
Explain the different uses of Biotechnology in the field of Agriculture. (5)

14. In terrestrial ecosystem D.F.C. and G.F.C. are interlinked at certain level. Justify the statement.

(OR)

How do living organism cope with environment? (5)

-x-x-x-x-x-x-