

# AP Intermediate 2nd Year Model Question Paper Botany II

**Time: 3 Hours**  
**Max.marks:60**

## SECTION-A

**Answer all the questions (Very Short Answer Type)**

**10 X 2 =20**

1. What is transpiration? How does it differs from evaporation?
2. What is Richmond Lang effect?
3. What are pleomorphic bacteria? Give one example.
4. What is linkage? Who discovered it?
5. What is translation? Where does it occur?
6. Differentiate between Purines and Pyrimidines?
7. Define Gene Revolution?
8. What is molecular farming?
9. What are synthetic seeds?
10. How do Biofertilizers enrich the fertility of the soil?

## SECTION-B

**Answer any Six Questions (Short Answer Type)**

**6 X 4 =24**

1. What is transpiration? How does it differs from evaporation?
2. What is Richmond Lang effect?
3. What are pleomorphic bacteria? Give one example.
4. What is linkage? Who discovered it?
5. What is translation? Where does it occur?
6. Differentiate between Purines and Pyrimidines?
7. Define Gene Revolution?
8. What is molecular farming?
9. What are synthetic seeds?
10. How do Biofertilizers enrich the fertility of the soil?

## SECTION-C

**Answer any Two Questions (Long Answer Type)**

**2 X 8 =16**

19. Describe TCA cycle.
20. Explain various steps involved in r-DNA technology.
21. What is hybridization? Describe the procedure of hybridization.