

TELANGANA UNIVERSITY
S.S.R. DEGREE COLLEGE, NIZAMABAD (C.C:5029)
IV SEMESTER INTERNAL ASSESSMENT II EXAMINATIONS
BOTANY QUESTION BANK

I. Fill in the blanks

1. In the rainy season, doors get swelled up due to imbition
2. In C3 and C4 plants, primary carboxylation takes place with the help of Rubp carboxylase and PEP Carboxylase
3. Ethylene hormone is responsible for the reopening of fruits.
4. Number of oxygen molecules required during glycolysis 6 one glucose molecule is zero
5. Who is regarded as the father of plant physiology Stephen hales
6. Who discovered the process of photophosphorylation Arnon
7. What is the end product of calvin cycle RUBP
8. What is the purpose of Trichomes on leaves Reduces transpiration
9. Rubisco content in chloroplast is 16%
10. Indole-3 acetic acid is similar to which amino acid Tryptophan
11. Pineapple, Soyabean, Corn is a cu plant.
12. Reverse and crebs cycle can be found in Bacteria
13. Atkinsana preistley gave the theory of 'Osmotice water absorption'
14. Pineapple is a CAM plant.
15. CAM type of plants store malic acid in vacuoles.
16. Who gave the root pressure theory stephon hales
17. The hill reaction takes place in Grana of chloroplasts
18. A dark reaction takes places in the strome of chlorophores
19. Field capacity water available for plants within the soil is known as
20. IBA is a example of synthetic auxin
21. ABA is the reason of seed dormancy
22. Seed are treated with moist seed in low temperature for stratification.
23. What is the rate of photosynthesis in C4 plants higher
24. What is the R.Q Value of succulents 0 (zero)
25. Diffusion is fastest in lipids
26. In photosynthesis Mn elements are essential for evolution of oxygen.
27. Nitrobacteria convert NO₂ into NO₃ in Oxidation
28. Respiration in plants is characteristic of all living cells
29. Transpiration is least in high atmospheric
30. Stometo open and close due to Turgor pressure of guard cells
31. Leaf ball can be prevented with the help of cytokining
32. Kranz anatomy is typical of c4 plants
33. Guttation is mainly due to Root pressure
34. Photosystem is accurs in Grana
35. The movement of water, from one cell of cortex to adjacent one in roots, is due to water potential Gradient
36. NADPH₂ is generated through photosystem-I
37. Phytochrome becomes active in red light, green light & blue light
38. The movement of auxin is largely basipetrial
39. Maximum solar energy is trapped by growing algae in takes
40. The first carbon dioxide acceptor in cyplanets is phosphonol pyravate

II. Short Answers.

1. Kranz anatomy?
2. Osmosis?
3. Imbibition?
4. Water potential?
5. Lock and key theory?
6. Macro nutrients?
7. Cyclic photo phosphorylation?
8. Rubisco?
9. Glycolysis?
10. Symbiotic nitrogen fixation?