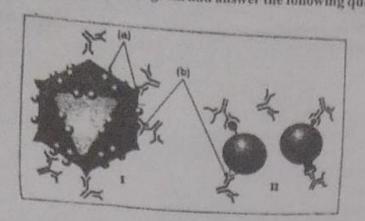


- Q.19. Explain different properties of water.
- Q.20. Explain the applications of gibberellins.
- Q.21. Give one difference in the following pairs: (i) Chordae tendinae and columnae carnae (ii) Anaemia and Leukaemia (iii) Tachycardia and Bradycardia
- Q.22. Name the following cranial nerves, their type, origin and function: II, V, IV, Q.23. Observe the give diagram and answer the following questions.



- (1) What is I and II in the above diagram?
- (2) What structures are responsible for antigen and antibody complex? Identify them in the above
- (3) What is the study of antigen-antibody interactions called?
- Q.24. Who discovered mycorrhizae? Distinguish between Ectomycorrhizae and Endomycorrhizae.
- Q.25. Give scientific reason: The genetic engineering is alternatively called recombinant DNA technology
- Q.26. From algae to forest, explain in relation with the succession.

## SECTION - D

- Answer the following questions (Any Three)
- Q.27. Describe three devices by which cross pollination is ene graged in Angiosperms by avoiding self-
- Q.28. What is a dihybrid cross? Explain with suitable examples using checker board method.
- Q.29. Describe the internal structure of human heart.
- Q.30. Give an account of structure of hind brain.
- Q.31. Enlist different types of restriction enzymes commonly used in r-DNA fechnology? Write on their

(04)

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