

11. Pick the pair that is incorrectly matched.
 - a. Cycas - coralloid roots
 - b. Pinus - Mycorrhizal roots
 - c. Abies - wood tar, wood gas
 - d. Sequoia - Redwood tree
12. Tallest known gymnosperm is:
 - a. Ephedra
 - b. Ginkgo
 - c. Sequoia
 - d. Pinus
13. The stem of the Cycas is a source of edible starch known as:
 - a. Sigo
 - b. Cycas starch
 - c. Sago
 - d. Cyco
14. The first group of terrestrial plants to get rid of swimming sperms are:
 - a. Club moss
 - b. Ferns
 - c. Gymnosperms
 - d. Angiosperms
15. The process that occurs between the death of an organism and its subsequent burial in the sediments are termed:
 - a. Biostratinomy
 - b. Diagenesis
 - c. All of the above
 - d. None of the above
16. The fossils of the Rhynia was discovered by:
 - a. Kidston and Lang
 - b. Prof. B.Sahni
 - c. Merker
 - d. Albert and Lang
17. A single species genus of Devonian vascular plants is:
 - a. Williamsonia indica
 - b. Williamsonia sarbalensis
 - c. Rhynia
 - d. Lepidodendron
18. Stigmara is a underground rooting structures found in:
 - a. Cordaites
 - b. Lepidodendron
 - c. Rhynia
 - d. Williamsonia
19. Fossilization is also known by the:
 - a. Acclimatization
 - b. Pasteurization
 - c. Preservation
 - d. Tyndallization
20. A plant bearing two types of spores is termed as:
 - a. Heterospory
 - b. Seed habit
 - c. Homospory
 - d. Dispory

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(Descriptive)

Time : 2 hr. 30 mins.

Marks : 50

[Answer question no.1 & any four (4) from the rest]

1. Write down the morphology, anatomy and reproduction of *Marsilea* in detail. 10
2. Write down the morphological and reproductive differences and similarities between Bryopsida and Anthocerosida group. 5+5=10
3. Write down the classification of gymnosperms. 10
4. Write short notes on: 5+5=10
 - a) Steelar diversity
 - b) Selaginella
5. Discuss the evolution of gymnosperms citing proper examples. 10
6. Discuss the comparative morphology and reproduction of Coniferales and Cycadales. 5+5=10
7. Give the general account, morphology, anatomy and reproduction of Rhynia. 10
8. Write short notes on: 5+5=10
 - a) Process of fossilization
 - b) Williamsonia

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