**1.** Lichen show
(1) Parasitic relation of fungi of algae
(2) Mycorrhizal relation ship of algae & Fungi
(3) Symbiosis of algae & fungi
(4) Commensalism

**2.** Litmus is obtained from lichen
(1) Lecanora esculenta
(2) roccella tinctoria
(3) Clodonia rengiferina
(4) Cetraria islandica

**3.** A Semi parasite relationship between the algal and fungal components of a lichen is termed as
(1) Helotism
(2) Epiphytism
(3) Parasitism
(4) Predation

**4.** In majority of lichens the algal and Fungal partner belong to
(1) Green algae and ascomycetes
(2) Blue green algae and Basidiomycetes
(3) Green algae and any fungi
(4) Green algae and duteromycetes

**5.** Lichen is a pioneer vegetation of
(1) Hydrosere
(2) Psammosere
(3) Lithosere
(4) Halosere

**6.** When a group of algal cells are imprisoned in fungal mycelium & whole of this group is then u sed for vegetative multiplication of a lichen, it is called -
(1) Isidium
(2) Soredium
(3) Cephalodium
(4) Helotism

**7.** Most common phycobiont in a lichen is
(1) **Microcystis**
(2) **Trebouxia**
(3) **Ulothrix**
(4) **Spirogyra**

**8.** Lichen are best indicator of
(1) Air pollution
(2) Water pullution
(3) Soil pollution
(4) All type of pollution

**9.** Lichen do not like to grow in cities because of the
(1) Absence of the right type of algae and fungi
(2) Lack of moisture
(3) $SO_2$ pollution
(4) Absence of natural habitats

**10.** Mycorrhiza is an association between roots of higher plant and fungus. It is an example of
(1) Symbiosis
(2) Myremecophilly
(3) Helostim
(4) Paraitism

**11.** "Old man's beard" is the common name of
(1) **Funaria**
(2) **Cladonia**
(3) **Usnea**
(4) **Rocella tinctoria**

**12.** Reindeer moss is common name of : **[RPMT 2001]**
(1) ***Usnea comosa***
(2) ***Cladonia rangiferina***
(3) ***Funaria hygromerica***
(4) ***Sphagnum aceutifolium***

**13.** There exiss a close association between the algae and the fungus within a lichen. The fungus : **[CBSE 2005]**
(1) fixes the atmospheric nitrogen for the alga
(2) release oxygen for the alga
(3) provides protection, anchorange and absorption for the alga
(4) provides food for the alga

**14.** Lichens are -
(1) Slowest growing plants
(2) Grow faster than their components
(3) Faster growing plants
(4) Grow with normal rate

**15.** A lichen having much branched system of cylindrical or ribbon-like branches but a small thallus is called as
(1) Foliose lichen
(2) Fruiticose lichen
(3) Crsutaceous lichen
(4) hallose lichen

**16.** Lichens are ecologically important because -
(1) They are associted with mycorrhizal roots
(2) They are association of algae and fungi
(3) They are pioneers (earliest settlers on barren rocks) and pass xeric conditions successfully
(4) They can grow in greatly polluted area

**17.** Mycorrhiza is the -
(1) Symbiotic association between fungus and the roots of seed plants
(2) Parasitic association between fungus and the roots of seed plans
(3) Saprophytic association between fungus and roots of seed plants
(4) All of these

**18.** Fungus which is found in **Pinus** roots -
(1) **Boletus** (2) **Armillaria**
(3) **Fomes** (4)**Corticiu**

**LICHEN & MYCORRHIZA** **ANSWER KEY**

| Que. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Ans.** | **3** | **2** | **1** | **1** | **3** | **2** | **2** | **1** | **3** | **1** | **3** | **2** | **3** | **1** | **2** |
| Que. | 16 | 17 | 18 | | | | | | | | | | | | |
| **Ans.** | **3** | **1** | **1** | | | | | | | | | | | | |