

F.Y.B.Sc. Sem- I BOTANY PAPER I SAMPLE QUESTIONS

UNIT-I : ALGAE

*Chapter -1:SPIROGYRA*

1. The chloroplast in Spirogyra is\_\_\_\_\_  
a) Disc shaped                      b) *Spiral*                      c) Stellate                      d) Peltate
2. Spirogyra belongs to order:  
a) Oscillatoriales    b) *Zygnematales*    c)Heterosiphonales    d) Ectocarpales
3. In Spirogyra, when cells from two different/ opposite filaments take part in sexual reproduction, it is called:  
a) *Scalariform conjugation*                      b) looping conjugation  
c) lateral conjugation                      d) all of the above
4. In Spirogyra, when the conjugating tube is formed between two adjacent cells called:  
a) Scalariform conjugation    b) *Lateral conjugation*    c) Looping conjugation  
d) None of the above.
5. Alternation of generation in Spirogyra is:  
a) *haplontic*                      b) diplontic                      c) haplodiplontic                      d) diplohaplontic.

*Chapter -2 :NOSTOC*

1. \_\_\_\_\_ are also called resting spores.  
a) Heterocysts    b) *Akinetes*    c) Hormogones    d) Vegetative cells
2. Nostoc is used in reclamation of \_\_\_\_\_ soils.  
a) Acidic & saline    b) Sandy & acidic  
c) *alkaline & saline*    d) alkaline & sandy
3. Nostoc reproduces by \_\_\_\_\_ methods.  
a) *vegetative & asexual*    b) vegetative & sexual  
c) sexual & asexual    d) vegetative, sexual & asexual
4. Nostoc belongs to the class. \_\_\_\_\_  
a) Nostocaceae    b) *Cyanophyceae*    c) Chlorophyceae.    d) Rhodophyceae.
5. The Nostoc Colony is blue colour due to the pigment \_\_\_\_\_  
a) Phycoerythrin    b) *Phycocyanin*    c) carotene    d) All of them

## ECONOMIC IMPORTANCE OF ALGAE:

1. Agar-agar is obtained from \_\_\_\_\_ red Algae.  
a) Gelidium    b) Gracilaria    c) Giggrtina    d) *All of them*
2. Nitrogen fixing Algae used as biofertilisers \_\_\_\_\_  
a) Chlorella    b) *Both c & d*    c) Nostc    d) Anabaena

## UNIT –II FUNGI

### **Chapter-:1. RHIZOPUS**

1. Rhizopus belongs to order \_\_\_\_\_.  
a) *Mucorales*    b) Aspergillales  
c) Erysiphales    d) Pucciniales
2. The thallus of Rhizopus consists of:  
a) Rhizoidal hyphae    b) Stolons  
c) Sporangiohores    d) *all of above*
3. Mass of white, delicate, cottony threads collectively are known as:  
a) Mycelium    b) *Hyphae*    c) Columella    d) Spore
4. Rhizopus belongs to the family \_\_\_\_\_  
a) *Mucoraceae*.    b) Aspergillaceae.    c) basidiomyceae

### **Chapter- 2: ASPERGILLUS**

- 1 .In Aspergillus, the female sex organ is called:  
a) Archegonium    b) Carpogonium    c) *Ascogonium*    d) Trichogyne
2. The wall of Cleistothecium is known as \_\_\_\_\_.  
a) *Peridium*    b) epidium    c) mesodium    d) endodium
3. Foot cell in Aspergillus is \_\_\_\_\_.  
a) *'T' shaped*    b) 'U' shaped    c) 'L' shaped    d) 'C' shaped

**Chapter 3.: ECONOMIC IMPORTANCE OF FUNGI**

1. Antibiotic Penicillin is obtained from the Fungus\_\_\_\_\_
- a) *Penicillium notatum*. b) *Aspergillus* c) *Cephalosporium* d) None.

**UNIT III : BRYOPHYTES**

**Chapter : RICCIA**

1. In which bryophyte member, the sporogonium consists of only the spherical capsule?
- a) *Anthoceros* b) *Marchantia* c) *Riccia* d) None of these
2. In *Riccia*, the thallus reproduces vegetatively by:
- a) fragmentation b) persistent apices  
c) tuber formation d) *all of the above*
3. In *Riccia*, how many rows of vertical cells form the neck of archegonia:
- a) 2 b) 4 c) 6 d) 8
4. The aquatic species of *Riccia* is:
- a) *Riccia discolor* b) *Riccia fluitans*  
c) *Riccia himalayensis* d) None of the above
5. The main plant body of *Riccia* is a:
- a) *Gametophyte* b) *Sporophyte*  
c) *Sporophyte on gametophyte* d) *None of the above*
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