

**B.Sc. ZOOLOGY**  
**FIRST SEMESTER (REPEAT)**  
**DIVERSITY OF CYPTOGAMS**  
**BSB-711**  
[USE OMR FOR OBJECTIVE PART]

**SET**  
**A**

Duration: 3 hrs.

Full Marks: 70

Time: 30 mins.

**(Objective)**

Marks: 20

*Choose the correct answer from the following:*

*1 × 20 = 20*

1. The coenobial colony is found in:  
a. Volvox  
b. Anabaena  
c. Ectocarpus  
d. None
2. Plurilocular sporangia is found:  
a. Volvox  
b. Anabaena  
c. Ectocarpus  
d. None
3. Heterocysts are found in:  
a. Volvox  
b. Anabaena  
c. Ectocarpus  
d. None
4. Red snow ball of alpine region is found the algae:  
a. Chara  
b. Haematococcus  
c. Ectocarpus  
d. Volvox
5. The father of Algology in India:  
a. R.N. Singh  
b. H.D. Kumar  
c. MOP Iengar  
d. Bhardwaj
6. Virus is:  
a. Living  
b. Non-living  
c. Between living and non-living  
d. None
7. Who coined the term Virus?  
a. L. Pasteur  
b. Beijerinck  
c. R. Hooke  
d. None
8. Genetic material of AIDS virus is:  
a. DNA  
b. RNA  
c. Both DNA & RNA  
d. None
9. Bacteria was first observed by:  
a. L. Hock  
b. R. Hooke  
c. L Pasteur  
d. None
10. Late blight of potato is caused by:  
a. *Phytophthora infestans*  
b. *Mucor mucedo*  
c. *Albugo candida*  
d. None



( Descriptive )

Time : 2 hr. 30 mins.

Marks : 50

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

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|--|------------|
| 1. Write general characteristic features of Pteridophytes.   | 10         |
| 2. Define virus. Write about the replication of Bacteriophage.   | 2+8=10     |
| 3. Write the sexual reproduction of algae with diagrams.   | 8+2=10     |
| 4. Write general characteristic features of Bryophytes. Discuss the general life cycle of Bryophytes.    | 5+5=10     |
| 5. Write briefly about the occurrence, vegetative structure, reproduction and importance of Penicillium. | 2+2+3+3=10 |
| 6. Discuss the classification of pteridophytes.  | 10         |
| 7. Write the life history of Ectocarpus with its alternation of generation.                              | 6+4=10     |
| 8. Discuss in details of the life cycle of Marchantia with proper drawings.                              | 8+2=10     |

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