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**MBH 404**

**I Semester M.Sc. Degree Examination, December 2018**  
**MICROBIOLOGY**  
**Phycology**

Time : 3 Hours

Max. Marks : 70

I. Answer **any three** of the following :

**(3×10=30)**

- 1) Describe the difference between prokaryotic and eukaryotic algae.
- 2) Write a detailed note on mass culturing of algae.
- 3) Explain the role of algae in soil fertility.
- 4) Give a detailed note on photosynthetic pigments in algae.
- 5) Write a note on the ecological distribution of algae.

II. Write a note on **any five** of the following :

**(5×5=25)**

- 6) Bio diesel.
- 7) Chlorella.
- 8) Algae as food.
- 9) Bioethanol.
- 10) Classification of algae.
- 11) Reproduction in algae.
- 12) Role of algae in medicine.
- 13) Brown algae.

P.T.O.



III. Write short notes on **any five** of the following :

**(5×3=15)**

- 14) Akinetes.
  - 15) Sea sponges.
  - 16) Structure of chlorophyll.
  - 17) Microalgae.
  - 18) Foliose lichens.
  - 19) Coral reefs.
  - 20) Extraction of algal pigments.
  - 21) Algae as feed.
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