

Previous M.Sc., Degree Examinations

September/October 2015

(Directorate of Distance Education)

BOTANY

**DPA510 : Paper I : Biology and Diversity of Algae, Fungi,
Bryophytes, Pteridophytes and Gymnosperms**

Time: 3 hrs.]

[Max.Marks:75/85

- Instructions :**
1. Answer all Questions.
 2. Repeaters shall answer questions from Section A, B and C only (Marks 75)

SECTION -A

I. Write brief notes on any SEVEN of the following:

7X3 =21

1. Brown algae
2. Cleistothecium
3. Gamma cup
4. Aeciospore
5. Plectostele
6. Sporophyte
7. Conidiophore
8. Resin canal
9. *Geledium fusilatum*
10. Globule

SECTION -B

II. Write brief notes on any THREE of the following:

3X8 =24

11. Evolution of land plants
12. Anatomy of coralloid root
13. Life history of *Saccharomyces*
14. Economic importance of pteridophytes
15. General characters of Bryophytes

Contd...2

SECTION -C

III. Answer any TWO of the following:

2X15 =30

16. Write on the significance of heterospory and seed habit.
17. Give an account on the classification of algae.
18. Write an account on salient features of cycadales. Add a note on its economic importance.
19. Discuss sexual reproduction in Oromycetes and Basidiomycetes

SECTION -D

This Section shall be answered only by freshers having 85 marks as paper maximum in addition to section A, B and C

IV. Answer any ONE of the following:

1X10 =10

20. Write an account on the life cycle of *Funaria*.
21. Give an account of lichens.

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