STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600 086 (For candidates admitted during the academic year 2010 - 11)

SUBJECT CODE: BT/MC/AF14

B. Sc. DEGREE EXAMINATION, NOVEMBER 2010 BRANCH V (a) – PLANT BIOLOGY AND PLANT BIOTECHNOLOGY FIRST SEMESTER SE . MA JOR – CORE

		:	SECTION – A			MAX.MARKS:100	
AN	ISWER A	LL QU	UESTION	NS			(18x1=18)
A.	Fill in th	e blanl	ks				
	2. Fer 3. He 4. The 5. Wh	nale se terocys e fruit b nite rus	ex organ of the area of the ar	of <i>Chara</i> is I sent in the factorial economics.	n lacknown as filaments of _ led y the fungi _ lichen.	· ·	
В.	Choose t	he cori	rect answ	er.			
				commonly l c.green	known as the		_ algae.
					s is c. oogam		
					omycetes .		nycetes.
					c. Groundnut.		
					c.Cercosp	ora.	
					lled isidia are c.Lichen		
C.	State Tru	ie or F	alse.				
	14. The 15. In <i>S</i>	skeleta argass	al strands		eculae are pre e produced in <i>Puccinia</i> .		

17. Develpoment of conidia in *Albugo* is basipetal.

18. Cephalodia are present in lichen thallus.

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D. Answer any six questions in 50 words.

(6X3=18)

- 19. Flagella
- 20. Globule.
- 21. Gonimoblast filaments
- 22. Mycelium.
- 23. Crozier.
- 24. Imperfect Fungi.
- 25. Coprophilous Fungi.
- 26. Phycobiont.
- 27. Foliose Lichen

SECTION - B

ANSWER ANY FOUR QUESTIONS. EACH ANSWER NOT TO EXCEED 200 WORDS: (4X6=24)

- 28. Enumerate the characteristics of Chlorophycophyta.
- 29. Explain the thallus organization of Sargassum.
- 30. Describe asexual reproduction in *Chara*.
- 31. Bring out the characteristic feature of the class Oomycetes.
- 32. Briefly outline the lifecycle of *Plasmodiophora*.
- 33. Give a brief account of the various types of Lichens.

SECTION - C

ANSWER ANY TWO QUESTIONS. EACH ANSWER NOT TO EXCEED 1000 WORDS: (2X20=40)

- 34. Outline the classification of Algae as proposed by Bold and Wynne (1978).
- 35. Define triphasic life cycle. Explain with a suitable alga as an example.
- 36. Explain briefly the life cycle of *Puccinia*.
- 37. Give a brief account of the structure and reproduction of Lichen. Add a note on its economic importance.
