

STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI - 86
B.Sc. DEGREE EXAMINATION, NOVEMBER, 2021
BRANCH V (A) – PLANT BIOLOGY & PLANT BIOTECHNOLOGY

SUBJECT CODE: 19BT/AC/GB 14

TIME: 3 Hours

PAPER : GENERAL BOTANY I

MAX. MARKS: 100

SECTION – A

(18 marks)

ANSWER THE FOLLOWING QUESTIONS

I. FILL IN THE BLANKS

(5 x 1 = 5 marks)

1. 'Fallen star' is the common name for _____.
2. The name of the lung infection caused by *Aspergillus* is _____.
3. Red rot of sugar cane is caused by _____.
4. Apocarpous ovary is characteristic of _____.
5. Potash and lime are found in abundance in _____ type of soil.
6. The study of soil is known as _____.
7. Fruit type in Lamiaceae is _____.
8. *Coccinia indica* belongs to the family _____.
9. Sargasso sea is named after an algae *Sargassum* which is a _____ alga.

II. EXPLAIN ANY THREE TERMS IN 50 WORDS EACH. (3x3 = 9 marks)

10. Spikelet
11. Sex organs of *Chara*
12. Basidiocarp
13. Vertical forming

SECTION - B

ANSWER ANY TWO QUESTIONS. EACH ANSWER SHOULD NOT EXCEED 200 WORDS. DRAW DIAGRAMS WHEREVER NECESSARY. (2x6 = 12 marks)

14. List the salient features of algae.
15. Write short notes on Biofertilizers
16. Name the causal organism of Tikka disease. Add a note on its symptoms and the control measures.

SECTION - C

ANSWER ANY TWO QUESTIONS. EACH ANSWER SHOULD NOT EXCEED 1000 WORDS. DRAW DIAGRAMS WHEREVER NECESSARY. (1x20 = 20 marks)

17. Give an account on Bentham & Hooker's classification. Add notes on its merits and demerits.
18. Enumerate the salient features of Fungi and describe in detail the life cycle of *Polyporus*.