

# BOARD OF INTERMEDIATE EDUCATION

## JUNIOR INTER BOTANY

### MODEL PAPER

Time: 3 hours

Max. Marks: 60

#### SECTION - A

I. i) Very short answer type questions.

ii) Answer ALL questions.

iii) Each question carries TWO marks.

10 × 2 = 20

1. What does ICBN stand for?
2. Name the books written by Parashara and mention the important aspects discussed in those books.
3. Name any two plants having single seeded dry fruits.
4. Which of the following are monoecious and dioecious organisms.  
a) Date palm    b) Coconut    c) Chara    d) Marchantia
5. Name the type of pollination in self incompatible plants.
6. What is Omega Taxonomy?
7. What are gas vacuoles? State their functions.
8. If a tissue has at a given time 1024 cells. How many cycles of mitosis had the original parental single cell undergone?
9. If one debarks a tree, what parts of the plant are removed.
10. Define population and community.

#### SECTION - B

II. i) Short answer type questions.

ii) Answer any SIX questions.

iii) Each question carries FOUR marks.

6 × 4 = 24

11. Give a brief account of dinoflagellates.
12. Write a note on economic importance of Algae and Bryophytes.
13. Describe any two special types of Inflorescence.
14. List three strategies that a bisexual chasmogamous flower can evolve to prevent self pollination.
15. Give economic importance of plants belonging to Fabaceae.
16. Describe the structure of nucleus.
17. What is the difference between lenticels and stomata?
18. What measures do you suggest to protect the pollinators.

**SECTION – C**

**III. i) Long answer type questions.**

**ii) Answer any TWO questions.**

**iii) Each question carries EIGHT marks.**

**2 × 8 = 16**

- 19.** Explain different types of racemose inflorescence.
- 20.** Write a brief account of on agents of pollination.
- 21.** Describe the internal structure of a dicot root.

[www.eenadupratibha.net](http://www.eenadupratibha.net)

[www.eenadupratibha.net](http://www.eenadupratibha.net)