



---

---

**THE ANSWERS MUST BE ATTEMPTED ON THE ANSWER SHEET PROVIDED**

**Q.1. Answer the following short questions: (10x3=30)**

- 1. Define inflorescence. Give names of special types of inflorescences.**
- 2. What are merits and demerits of Takhtajan's system of classification?**
- 3. What is the Linnaeus system of classification?**
- 4. Why scientific names are assigned to plants in Latin?**
- 5. Differentiate between fibrous and tap roots?**
- 6. Draw the floral formulas and floral diagram of *Rosa indica* L.**
- 7. Give the chemical structure of cell wall?**
- 8. Give demerits of Natural & Phylogenetic systems of classification**
- 9. What are medullary rays? Give their functions.**
- 10. How the Tunica-Corpus theory is different from the Histogen theory.**

**Q.2. Answer the following questions: (3x10=30)**

- 1. Explain different types of meristems on the basis of their position in plant body?**
- 2. What is ICBN? Explain rules of nomenclature according to ICBN**
- 3. Differentiate between microsporogenesis and megasporogenesis.**