

## III SEM

### Long Questions

#### Unit - I

- ① Complex tissues
- ② Special tissues
- ③ Adaptations in Xerophytes
- ④ Adaptations in Hydrrophytes
- ⑤ shoot apical theories.

#### Unit - II

- ① Boerhaavia stem TS
- ② Bignonia stem TS
- ③ Achyranthus stem TS
- ④ Dracaena stem TS
- ⑤ Beta Vulgaris Root TS.

#### Unit - III

- ① Development of female Gametophyte
- ② Development of Male Gametophyte
- ③ Ovule structure & types.

#### Unit - IV

- ① Development of dicot Embryo.
- ② Development of Monocot Embryo
- ③ Development & types of Endosperm
- ④ Polyembryony

### Short Questions

#### Unit - I

- ① Root apical theories
- ② Parenchyma
- ③ ~~coll~~ collenchyma
- ④ Sclerenchyma
- ⑤ Types of stomata

- ⑥ Dicot leaf - Anatomy
- ⑦ Monocot leaf - Anatomy

## Unit - II

- ① Vascular Cambium
- ② Teak
- ③ Mallamaddi
- ④ Rosewood
- ⑤ Red Sanders
- ⑥ Neem

## Unit - III

- ① P.s of anther
- ② structure of ovule & types
- ③ Monosporic type of Embryosac
- ④ Bisporic type of Embryosac

## Unit - IV

- ① Apomixis
- ② Double fertilization
- ③ Types of pollination
- ④ Pollination
- ⑤ fertilization
- ⑥ Pollen - pistil interaction