

Q 11. Explain following terms:

- (i) Actinomorphic
- (ii) Zygomorphic
- (iii) Trimerous
- (iv) Gamopetalous
- (v) Gamosepalous
- (vi) Aestivation
- (vii) Placentation

Ans. Actinomorphic: The flower which can be divided into two equal halves by two vertical planes.

Zygomorphic: The flower which can be divided into two equal halves by only one vertical plane.

Trimerous: The floral leaves are 3 or multiple of 3 in a flower.

Gamopetalous: Fused petals of flower.

Gamosepalous: Fused sepals of flower.

Aestivation: Arrangement of sepals or petals in a flower.

Placentation: Arrangement of ovules in an ovary of flower.

Apocarpous: Free carpels.

Syncarpous: Fused carpels.

Monadelphous: Stamens unite by their filaments but anther remain free.