



a. $\oplus_{\uparrow} K_{(5)} \overline{C_{(5)} A_5 G_{(2)}}$



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Chapter 5 – MORPHOLOGY OF FLOWERING PLANTS

b. $\% \overset{\uparrow}{\underset{\downarrow}{Q}} C_{1+2+(2)} A_{(9)+1} \underline{G}_1$

c. $Br \oplus \overset{\uparrow}{\underset{\downarrow}{Q}} \overbrace{P_{(3+3)} A_{3+3}} G_{(3)}$

d. $\oplus \overset{\uparrow}{\underset{\downarrow}{Q}} K_{(5)} \overbrace{C_{(5)} A_5} \underline{G}_{(2)}$

4. When all the floral parts arise above the gynoecium, the flower is a
- Epigynous
 - Peigynous
 - Hypogynous
 - None of these.
5. Assertion (A) : Perianth is found in a flower where the calyx and corolla are unite
Reason (R) : The individual members are known as tepals,
- Both A and R are true and R is the correct explanation of A.
 - Both A and R are true but R is not the correct explanation of A.
 - A is true but R is false.
 - Both A and R are false.
6. Phyllode is present in
- Asparagus
 - Euphorbia
 - Australian acacia
 - Opuntia

III. Case based question



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The fruit is a characteristic feature of the flowering plant. It is a mature or ripened ovary developed after fertilisation. If fruit is formed without fertilization, it is a parthenocarpic fruit. Fruit generally consists of the wall – pericarp and seeds

1. The edible part of coconut is
 - a. Cotyledons
 - b. Endosperm
 - c. Pericarp
 - d. Perisperm
2. Placenta and pericarp is the edible part of
 - a. Tomato
 - b. Chilli
 - c. Apple
 - d. Banana
3. Edible part of apple and pear is
 - a. Thalamus
 - b. Mesocarp
 - c. Endocarp
 - d. Epicarp
4. Identify the incorrect statement
 - a. In coconut the mesocarp is fibrous
 - b. Mango and coconut develop from monocarpellary inferior ovaries
 - c. If fruit is formed without fertilisation it is a parthenocarpic fruit
 - d. Generally fruit consists of a wall or pericarp and seeds
5. The fruit of coconut is referred to as -- -----

