





BOTANY
SECTION-A

101. What type of placentation is seen in sweet pea?
 (1) Axile (2) Free central (3) Marginal (4) Basal
102. Pineapple (anasas) fruit develops from
 (1) A multipistillate syncarpous flower
 (2) A cluster of compactly borne flowers on a common axis
 (3) A multilocular monocarpellary flower
 (4) A unilocular polycarpellary flower
103. Pentamerous, actinomorphic flowers, bicarpellate ovary with oblique septa and fruit a capsule or berry, are characteristic features of
 (1) Brassicaceae (2) Solanaceae (3) Liliaceae (4) Asteraceae
104. Replum is present in the ovary of flower of
 (1) Lemon (2) Mustard (3) Sunflower (4) Pea
105. The floral formula $\oplus \overset{\text{♂}}{\underset{\text{♀}}{\text{K}}}_{(5)} \overset{\text{♂}}{\underset{\text{♀}}{\text{C}}}_{(5)} \overset{\text{♂}}{\underset{\text{♀}}{\text{A}}}_5 \underline{\text{G}}_{(2)}$ is that of:
 (1) Soyabean (2) Sunhemp (3) Tobacco (4) Tulip
106. Keel is characteristic of the flowers of:
 (1) Gulmohur (2) Cassia (3) Calotropis (4) Bean
107. What would be the number of chromosomes of the aleurone cells of a plant with 42 chromosomes in its root tip cells ?
 (1) 42 (2) 63 (3) 84 (4) 21
108. The correct floral formula of chilli is :
 (1) $\oplus \overset{\text{♂}}{\underset{\text{♀}}{\text{K}}}_{(5)} \overset{\text{♂}}{\underset{\text{♀}}{\text{C}}}_5 \overset{\text{♂}}{\underset{\text{♀}}{\text{A}}}_5 \underline{\text{G}}_{(2)}$ (2) $\oplus \overset{\text{♂}}{\underset{\text{♀}}{\text{K}}}_{(5)} \overset{\text{♂}}{\underset{\text{♀}}{\text{C}}}_{(5)} \overset{\text{♂}}{\underset{\text{♀}}{\text{A}}}_5 \underline{\text{G}}_{(2)}$
 (3) $\oplus \overset{\text{♂}}{\underset{\text{♀}}{\text{K}}}_{(5)} \overset{\text{♂}}{\underset{\text{♀}}{\text{C}}}_{(5)} \overset{\text{♂}}{\underset{\text{♀}}{\text{A}}}_{(5)} \underline{\text{G}}_{(2)}$ (4) $\oplus \overset{\text{♂}}{\underset{\text{♀}}{\text{K}}}_{(5)} \overset{\text{♂}}{\underset{\text{♀}}{\text{C}}}_5 \overset{\text{♂}}{\underset{\text{♀}}{\text{A}}}_{(5)} \underline{\text{G}}_{(2)}$
109. Which one of the following diagrams represents the placentation in Dianthus?
 (1)  (2)  (3)  (4) 
110. Cymose inflorescence is present in :
 (1) Solanum (2) Sesbania (3) Trifolium (4) Brassica