# INDIAN SCHOOL NIZWA - WORKSHEET

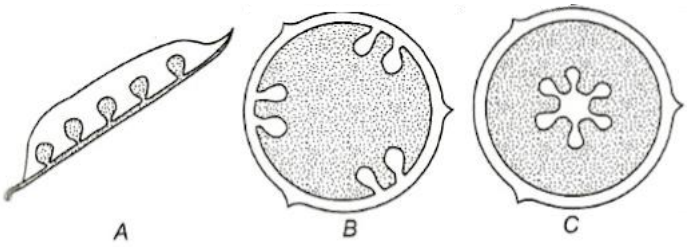
BIOLOGY
CH:5 Morphology of flowering plants

Name: _____ Date:_____ Class: XI Sec: _A__

| | |
|---|---|
| 1. | Placenta and pericarp are edible portions in<br>a. Potato<br>b. Banana<br>c. Tomato<br>d. Apple |
| 2. | Actinomorphic is the term used for flowers with<br>a. Bilateral symmetry<br>b. Radial symmetry<br>c. Irregular<br>d. Oval |
| 3. | Flowers in which only one set of essential organs is present are said to be<br>a. Polygamous<br>b. Bisexual<br>c. Dioecious<br>d. Unisexual |
| 4. | The root is covered at the apex by a thimble-like structure called<br>a. Region of maturation<br>b. Root cap<br>c. Region of meristematic activity<br>d. Root hair |
| 5. | The form of thalamus in which ovary is at top and stamens, petals and sepals are borne below is called _____.<br>a. Perigynous<br>b. Semi-epigynous<br>c. Hypogynous<br>d. Epigynous |
| 6. | Flowers are zygomorphic in:<br>a. mustard<br>b. gulmohur<br>c. chilli<br>d. datura |

| | |
|---|---|
| 7. | Assertion: A floral formula is the representation of the morphology of a flower with the help of signs and symbols.<br>Reason: An incomplete flower is one where one or more whorls are absent. |
| 8. | Flower is a modified shoot. Justify. |
| 9. | Fill up the blank spaces (a), (b), (c) and (d) in the table given below: |

| Type of flower | Position of calyx, corolla and androecium in respect of the ovary on thalamus | Type of ovary |
|---|---|---|
| Hypogenous | .....(a)..... | Superior |
| Perigynous | On the rim, of the thalamus almost in the same level of ovary. | .....(b) |
| .....(c) | .....(d)..... | ..... |
| ..... | | Inferior |

| | |
|---|---|
| 10. | Give reason to justify that onion bulb is a modified stem? |
| 11. | "Underground parts of a plant are not always roots" justify the statement. |
| 12. | Observe the given figure showing various types of placentation. Identify the type of placentation. Give one example of each.<br><br> |
| 13. | Define aestivation. Which type of aestivation is found in China rose, Calotropis, Gulmohar and pea |
| 14. | Write floral formula for a flower which is bisexual; actinomorphic; sepals five, twisted aestivation, petals five; valvate aestivation; stamens six; ovary tricarpellary, syncarpous, superior, trilocular with axile placentation. |