**Neha Malhotra** **R.L. Institute M: 9416974837**

**Max Time : 1 hr** **Class = 11th Biology Test Max Marks : 25**

**Topic: Morphology in Flowering Plants**

**[Flower , Fruit and Seed]**

1. Multiple choice questions : [ 1 X 3 = 3]
2. In monocot, the Plumule is covered by an undifferentiated sheath known as :

|  |  |  |  |
| --- | --- | --- | --- |
| a) Coleorhiza | b) Coleoptile | c) scutellum | d) Tegmen |

1. A flower can be divided into equal vertical halves by more than one plane of division is :

|  |  |  |  |
| --- | --- | --- | --- |
| a) Actinomorphic | b) Zygomorphic | c) Heteromorphic | d) Cyclic |

1. Placentation of tomato and lemon is :

|  |  |  |  |
| --- | --- | --- | --- |
| a) Marginal | b) Free central | c) parietal | d) Axile |

1. Define Staminode. [ 1 ]
2. Single cotyledon present in monocot is called as \_\_\_\_\_\_\_\_\_\_\_\_. [ 1 ]
3. Write the floral formula of a actinomorphic bisexual , Hypogynous flower with five united sepals , five free petals , five free stamens and two united carpels with superior ovary. [ 1 ]
4. Differentiate between endospermic seeds and non-endospermic seeds with one example of each.

[ 2 ]

1. Differentiate between true fruit and false fruit with one example of each. [ 2 ]
2. Mention the economic importance of family Solanaceae. [ 2 ]
3. Describe the arrangement of floral members in relation to their insertion on thalamus. [ 3 ]
4. What is a flower? Name the various parts of a typical angiospermic plant. Describe only essential reproductive parts: [ 5 ]
5. Describe the following terms : [ 5 ]

(a) Epipetalous (b) Perianth (c) Apocarpous ovary (d) Aestivation (e) Polyandrous

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