

2020

Time : 3 hours

Full Marks : 60

Candidates are required to give their answers in their own words as far as practicable.

The questions are of equal value.

Answer any four questions in which

Q. No.1 is compulsory.

1. Choose the correct answer of the following multiple-choice questions : $1\frac{1}{2} \times 10 = 15$

(a) A complete flower has :

(i) Sepal

(ii) Petal

(iii) Stamen and Carpel

(iv) All of these

(b) A part of flower is called Perianth when :

(i) Calyx and Corolla are not separate and distinct

(ii) Coloured sepals

(iii) Coloured petals

(iv) None of these

(c) Sepal is unit of :

(i) Corolla

(ii) Calyx

(iii) Both (i) and (ii)

(iv) None of these

(d) Stament is a unit of :

(i) Corolla

(ii) Calyx

(iii) Androecium

(iv) None of these

(e) Actinomorphic flower can be divided into two equal halves by :

(i) Only one plane

(ii) More than one plane

✓(iii) Both (i) and (ii)

(iv) None of these

(f) Bracteate flower is a flower with :

(i) Xylem

✓(ii) Bracts

(iii) Tepals

(iv) None of these

(g) Gynobasic style originates from :

(i) Base of the ovary

(ii) Top of the ovary

✓(iii) Both (i) and (ii)

(iv) None of these

(h) A flower is called epipetalous when stamens are born over :

(i) Sepals

(ii) Petals

✓(iii) Both (i) and (ii)

(iv) None of these

(i) Herbarium is a collection of preserved plants kept usually in :

✓(i) Dried form

(ii) Wet form

(iii) Freshly packed

✓(iv) All of these

(j) Family of tomato is :

(i) Apocynaceae

(ii) Lamiaceae

✓(iii) Solanaceae

✓(iv) None of these

2. Write short notes on any **three** of the following :

5×3 = 15

✓(a) Botanical Garden

(b) Genus

(c) Classification of plants

✓(d) Monograph

(e) Flora

Describe Bentham and Hooker's system of plant classification. 15

4. Write distinguishing characters of Family Ranunculaceae. 15
5. Describe family Solanaceae with floral formula and floral diagram. 15
6. Write short notes on any **three** of the following
5×3 = 15
- (a) Taxonomic Characters
 - (b) Tepals
 - (c) Anther
 - (d) Stigma
 - (e) Importance of family poaceae
7. What is Botanical Nomenclature ? Describe with example and principles. 15
8. Write floral characters of family Verbenaceae. 15

