

**M.Sc. 2nd Semester Examination, 2021**

**SUBJECT: BOTANY**

**Course Code: 204C(P)**

**Course ID: 21364**

**Course Title: Taxonomy of Angiosperms**

**Time: 2Hours**

**Full Marks: 10**

1. The diagnostic characters of some genera of Ranunculaceae are given below. Identify the couplets and leads from the given information and then construct an indented key for the identification of the taxa. 3+3=6

i) **Ranunculus:** Plants herbaceous, fruit achene, distinct calyx and corolla, spur absent, petal with nectar at base.

ii) **Adonis:** Plants herbaceous, fruit achene, calyx and corolla differentiated, spur absent, petals without nectar.

iii) **Anemone:** Plants herbaceous, fruit achene, calyx not differentiated, perianth petaloid, spur absent

iv) **Clematis:** Plants woody, fruit achene, calyx not differentiated, perianth petaloid, spur absent.

v) **Caltha:** Plants herbaceous, fruit follicle, calyx not differentiated, perianth petaloid, spur absent.

vi) **Delphinium:** Plants herbaceous, fruit follicle, calyx not differentiated, perianth petaloid, spur absent one in number.

Vii) **Aquilegia:** Plants herbaceous, fruit follicle, calyx petaloid, not differentiated from corolla, spurs five in number.

2. Viva voce

4