

Bago University
Department of Botany
First Semester Examination, March, 2019

Second Year (B.Sc.)
Botany Specialization
Answer All Questions

Bot.2102
Angiosperms I
Time allowed: (3) Hours

I. Determine whether each statement is TRUE or FALSE.

(10 marks)

1. The flower's prime function is the production of fruit.
2. The angiosperms are recognized collectively as single subclass Magnolidae.
3. Oil passages are present in the leaves of Araceae.
4. The filaments of Pein family are fused at the base forming a synandrium.
5. *Anthurium* spp is an ornamental plants cultivated for its beautiful inflorescence.
6. Amaryllidaceae closely related to Alliaceae.
7. The viscin extracts into a columnar organ known as caudicle.
8. The roots and leaves of *Commelina* are eaten as vegetables.
9. The bisexual flowers of Nget-pyaw occur in the middle of inflorescence.
10. Without a petiole or stalk of leaf is known as sessile.

II. Write correct word to complete the following sentences.

(10 marks)

1. Phylogenetic classification is the one base on ----- relationship.
2. In eudicots have three pores or furrow of -----.
3. The powered seeds and leaves of Awza are used as -----.
4. Most of the plants contain watery or -----.
5. Nectaries present at the ----- based in Liliaceae.
6. Rattans are climbing ----- stem.
7. The stems of sedges are usually solid and -----.
8. The fruit of *Canna* is a ----- or spinose trilocular many seeded capsule.
9. Musaceae is also known as ----- family.
10. The root of Hpa-lan-taung-hmwe is used as a ----- and in snake-bike.

III. Answer all questions.

(10 marks)

1. What does the taxonomic hierarchy include?
2. Describe the scientific name of edible fruit in family Annonaceae.
3. Give the medicinal plant of orchid and its uses.
4. What is monocarpic?
5. Define auricles.

IV. Answer all questions.

(20 marks)

1. Describe about the flower consists of four series of elements.
2. State the anatomical features of the leaves in Kya family.
3. How many types are the plant construction and roots of epiphyte orchids? Explain them.
4. Write the family and scientific names of the following.
(i) Hnin-pan-ni (ii) Kun-thi (iii) Beda (iv) Badathrana (v) na-nwi

V. Answer any three questions.

(30 marks)

1. Describe the taxonomic description of monotypic family.
2. Briefly account an morphological characters of family Magnoliaceae with suitable diagram..
3. Referring to the local examples and explain the morphological characters of Amaryllidaceae with relevant diagram.
4. Describe the taxonomic description of Commelinaceae with suitable diagram.
5. With suitable Illustration, explain the reproductive organs of family Zingiberaceae