

ZālĀa-6. Ēāpū wāDqām Ēuāā āšyĪ TāĒĒ tēDnm Ēē

National Botanic garden situated in which city?

ZālĀa-7. rēnt ĩwĪNĪĒ ēāā āuā āuā wāšyĪ āšyĪ Zāāwā ycyĪrom Ēē

The classification given by Benthem and Hooker is related to which system?

ZālĀa-8. āāyā šyĪ yPua qē ; āāēm wāšyĪ āāāt āvāhĪ ĩ

Give the name of classification based on number of chromosomes.

ZālĀa-9. šyĪāyātēšyĪāwā āšyĪ šyĪv tēqāwā kānā Ēē

Cruciform corolla is found in which family?

ZālĀa-10. šyĪvāpāy ZāyĪā šyĪ šyĪv rmatĪ ĩ

Name the family of Calotropis Procera.

hĪp-'r'(Section-'B')

āāāāšyĪm vi ā ēlāēāu ZālĀāp šyĪ ēlāē 150-200 Tāā-yātā tēāp ĩ
(Answer the following short-answer type questions with word limit 150-200) (3x5=15)

ZālĀa-1. rākāu ZāšyĪm qē āĪqĪā āvāhĪ ĩ

Write note on seed habit.

OR

rākāwāpšyĪ ēāāā wāpĪvāt ; wāēĪā qē āĪqĪā āvāhĪ ĩ

Write notes on origin of ovule and Telome concept.

ZālĀa-2. šyĪv āātāšyĪm āj āā rāātuc (šyĪēšyĪ):

i) qāāy šyĪ āāwā šyĪ ; āāān šyĪ r) yāšyĪ šyĪ rākāwāpšyĪ vērwā šyĪp

Draw diagram only (any one):

a) T.S. of Needle of Pinus b) V.S. of ovule of Cycas

ZālĀa-3. āāāāwāhĪm qē āĪqĪā āvāhĪ (šyĪēāā) :

i) āāqā āātšyĪ r) Ēērēut mšyĪāšyĪ

Write short notes on the following (any one):

a) Binomial Nomenclature b) Herbarium technique

ZālĀa-4. āāāāwāhĪm šyĪcyĪtĪ āy (šyĪēšyĪ) :

i) wāšyĪ tēšyĪāšyĪ āwāāā šyĪ uāāāā

r) ĩvē ĩwāpāāwā māā šyĪ āāā wāpāā

Explain the following (any one) :

- a) Cytology in relation to taxonomy
- b) Merit and demerits of Engler and Prantle system

ZālĀa-5. āāāāwāhĪm tē; mē DqĪpšyĪāy (šyĪēšyĪ) B

i) qāāā šyĪ ; āāē qē qāāāā; āāā, yākwāāāā wāpāāāyā; āāā

r) qāāšyĪt šyĪ ; āāē qē vētuāā, uāāāēyā māā qāāyā

Differentiate the following (any one) :

- a) Papliniotae, Caesalpinoideae mimosiodae on the basis of androecium
- b) Lamiaceae, Euphorbiaceae and Poaceae on the basis of inflorescence

hĪp-'y'(Section-'C')

āāāāšyĪm āāā ē ēlāēāu ZālĀāp šyĪ ēlāē 300-350 Tāā-yātā tēāp ĩ
(Answer the following long-answer type questions with word limit 300-350) (5x5=25)

ZālĀa-1. kāvāĪt yā; āqĪ uāyĪtĪ mēēē kāvāĪtšyĪāšyĪ ZāšyĪuā; āšyĪcyĪtĪ āy ĩ kāvāĪtāp šyĪ ZāšyĪāpšyĪ āāt āvāhĪ wāpāāwāyq kāvāĪt šyĪ wāāā šyĪāy ĩ

What do you understand by fossils? Explain the processes of fossilization. Write the name of different types of fossils and describe the impression type of fossil.

OR

āāāwāāā šyĪ yātāāu vāāā āvāhĪ ĩ

Write general characters of Gymnosperms.

ZālĀa-2. qāāāy šyĪ āē uātāāātā šyĪ āwāāy šyĪ āvāāā ; wāāā; āšyĪ yāj āā wāāā šyĪāy ĩ

Explain the development of male gametophyte of pinus with the help of well labelled diagrams.