

ANSWER ALL QUESTIONS

Time allowed: 15 minutes

1. State whether the following statements are TRUE or FALSE

- a. Example of hypogea germination can be seen in *Arachis hypogaea*. ...*false* X
- b. There are no lateral roots in the adventitious root system. ...*false*
- c. The angle between a leaf and the stem on which it is borne is called the axil. ...*true*
- d. The leaflets of paripinnate leaf are attached to the rachis. ...*true*
- e. When the petiole is lacking the leaf is said to be sessile. ...*true*
- f. In biennials the shoot only last for two years. ...*true*
- g. Perennials usually produce flowers each year. ...*true*
- h. Epiphytes only grow aboveground on other plants. ...*true*
- i. Hydrophytes are plants that grow in water-logged soil. ...*true*
- j. Xerophytes, like cactus can only grow well in arid habitats. ...*true* X
- k. Geophytes are annual plants with underground organs. ...*true* X
- l. Morphology is the study of external shape and features of cells. ...*true* X
- m. Unlike angiosperms, gymnosperms lack vessels. ...*true*
- n. Gymnosperms are seedless plants. ...*false*
- o. Angiosperms and gymnosperms are the only groups of seed plants. ...*false* X
- p. Spermatophytes always have their seeds enclosed. ...*false*
- q. The monocotyledonous embryo bears only one plumule. ...*true*
- r. In monocots embryo the coleorhiza protects the radicle. ...*true*
- s. In hypogea germination it is the epicotyl that elongates. ...*true*
- t. Hypogea germination takes place in both monocots and dicots. ...*true*
- u. Stipules borne on the stem free from the leaf itself are exstipulate leaves. ...*false*
- v. An example of palmate compound leaf is *Carica papaya*. ...*false*
- w. Leaflets do not have a stalk or petiole. ...*false*
- x. The small stipule present at the base of a leaflet is known as stipel. ...*true*
- y. The blade is the part of the leaf that collects sunlight for photosynthesis. ...*true*
- z. Leaflets that are odd in number are referred to as imparipinnate. ...*true*
- aa. The root system is part of the plant body that has nodes but bears no leaves. ...*false* *true*
- bb. A leaf is bipinnate when two leaflets are attached to the petiole. ...*false*

NDEZURE EMMANUEL