

THE OPEN UNIVERSITY OF SRI LANKA

B.Sc./B.Ed. DEGREE PROGRAMME – LEVEL 03 - 2007/2008

BTU 1201/BTE 3201 - PLANT DIVERSITY

ASSESSMENT TEST III (NO BOOK TEST)

DURATION : ONE (01) HOUR.



REGISTRATION NO.

DATE : 05th April 2008

TIME: 11.30 a.m. – 12.30 p.m.

Answer all questions.

Questions should be answered on the question paper itself. There are four (04) questions and Four (04) pages in the question paper.

01. Name the fruit type of each of the following plants.

1. *Citrus* sp.
2. *Dipterocarpus*
3. *Brassica juncea*
4. *Mimos pudica*
5. *Pyrus malus*

02. Fill in the blanks with most suitable word/words.

1. Plants belong to families Poaceae and Cyperaceae have _____ shaped guard cells.
2. A seed consists of three essential parts; the _____, _____ and the _____.
3. The ripen seeds of *Pinus* are dispersed by _____.
4. The flattened green stem of *Opuntia* is called as a _____.
5. _____ is the simplest form of tissue found in plants.

6. At the time of liberation, the microspore of *Ginkgo* consists of two _____ cells one _____ cell and one _____ cell.
7. The lateral roots of most angiosperms arise from the _____ of the root.
8. Sieve tube members are associated with one or several special parenchyma cells called _____ cells.
9. _____ is stored in leucoplasts and hence they are also known as _____.
10. _____ of *Cycas* ovule is formed by the breaking down of the central cells of the beak of the ovule.
03. Make fully labeled drawings of the following.
1. L.S. of *Pinus* seed.

2. T.S. of a typical monocot leaf.

3. L.S. of *Gnetum* ovule

4. T. S of a monocot root.

04. Name the part/organ of the plant modified to carryout each of the following functions.

1. Storage food in *Beta vulgaris*

2. Storage of food in *Ipomoea batata*

3. Climbing in *Smilax*

4. Climbing in *Antigonon*

5. Photosynthetic function in *Opuntia*

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