

## Exercise

1. Tick ✓ the appropriate answer.

i) In a germinating seed the roots develop from \_\_\_\_\_.

ans - a) Radicle

ii) In a germinating seed the shoot develops from \_\_\_\_\_.

ans - b) plumule

iii) Which one of the following is monocotyledonous seed?

ans - c) maize

iv) If the cotyledons are pushed above the soil, then such type of germination is called \_\_\_\_\_.

ans - a) epigeal

v) If the cotyledons remain under the soil, then such type of germination is called \_\_\_\_\_.

ans - b) hypogeal

vi) Pollen is produced in the \_\_\_\_\_.

ans - d) anther

2. Name the following :

a) A seed which shows hypogeal germination

ans - pea

b) A monocot seed :

ans - Maize grain

c) A dicot seed :

Ans - Bean seed

d) A seed which shows epigeal germination.

ans - Bean seed.

3. Differentiate between the following pairs of terms :

a) Radicle and plumule

ans - The Radicle develops into a root while a

plumule develops into a shoot.

b) Hilum and micropyle

ans - Hilum is the inner concave side of the seed. where the fruit was attached to the

fruit wall. Micropyle is a small pore

which absorbs and allows water required for germination.