

Exercise

INSTRUCTIONS

ATTEMPT ALL THE QUESTIONS IN A SEPARATE ANSWER SHEET

1. a) what is meant by the term weathering
b) Name three forms of weathering
c) Explain how any two of the forms of weathering above happen
2. a) what is soil profile
b) With a labeled diagram give three different horizons in soil profile
c) Give two characteristics of each horizons above
3. An experiment was carried out by S2 students on a given soil sample. The following measurements were obtained.

$$\text{Volume of dry soil} = 250\text{cm}^3$$

$$\text{Volume of water added} = 160\text{ cm}^3$$

$$\text{Volume of mixture of soil + water} = 380\text{ cm}^3$$

Calculate (a) the volume of air in the soil sample

(b) The percentage of air in the soil

(c) State any other three components of soil apart from the one mentioned above

4. a) what is meant by the term seed dispersal
b) State three forms of seed dispersal
c) What are the advantages of seed dispersal?
5. a) give any four characteristics of insects
b) State any three ways of controlling mosquitoes and spread of malaria.

END