

Hw

(1) a) When Planaria accidentally get cut into many pieces, each piece grows the missing parts and forms the complete organism. This form of asexual reproduction.

(b) When Bryophylla leaf falls on the wet soil, the buds that are produced in the notches along the leaf will develop into new plants by the process known as vegetative propagation.

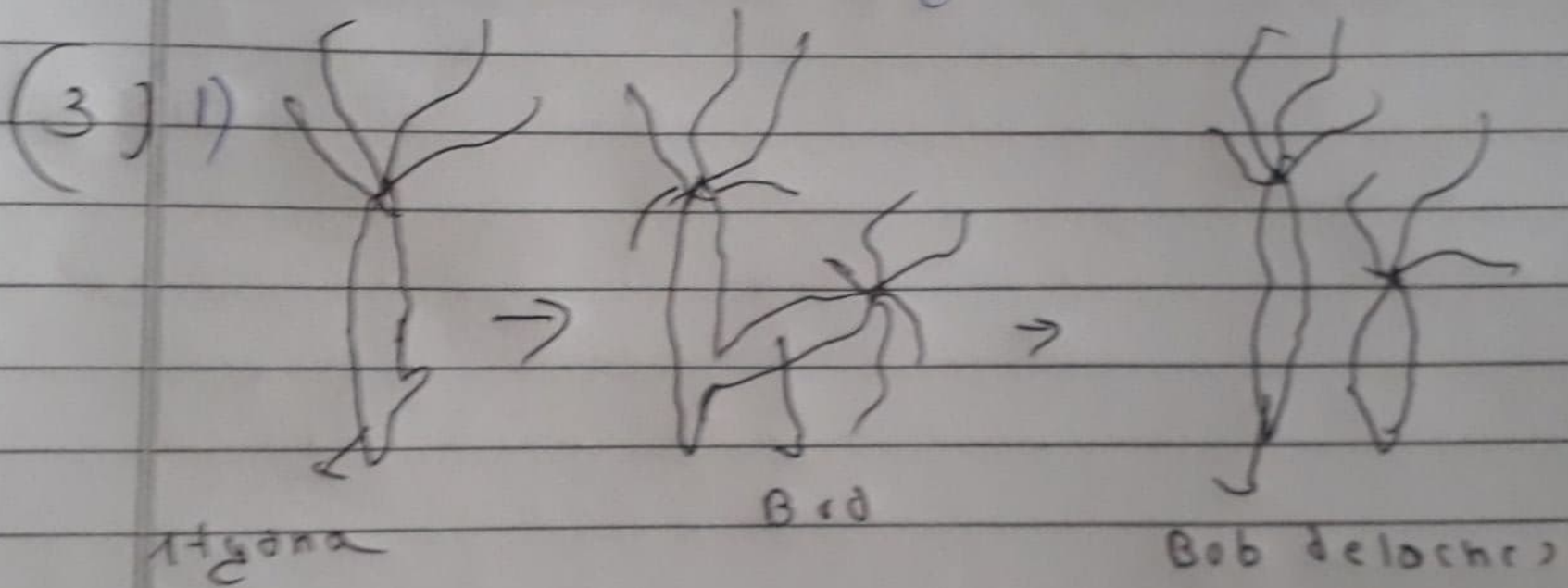
(c) When the sporangia of Rhizopus dusts on malnutrition, the spores present inside it spread in the open environment. Then with the help of different agents, they are carried to different places and when they land on a favourable surface, they start growing and produce new organism.

(2) Advantages of vegetative propagation.

→ Mass production of plants using plant parts of mother.

No seed is required. As multiply vegetative having desired quantitative or qualitative traits.

useful techniques in production of plants which are different to propagation using seed



ii) Totipotent cells are used by multicellular organism to regenerate