

## HW

1. Name the information source of making proteins in cell. state two basic events of reproduction.

ans. The information source of making protein in cell is DNA.

Two basic events in reproduction are -

\* DNA copying occurs

\* Additional cellular apparatus ~~are~~ by the cell involved in the process

2. Explain vegetative propagation with the help of two examples. list two advantages of vegetative propagation.

ans. vegetative propagation is a process of obtaining new plants from the part of old plant like stem, roots, leaves etc. for example -

→ In bryophyllum plant it reproduces from its leaves and

→ money plant can grow from its stem.

Advantages -

\* They are cheap

\* The plant grow faster by this process

\* plant are also genetically identical to the parent plant.

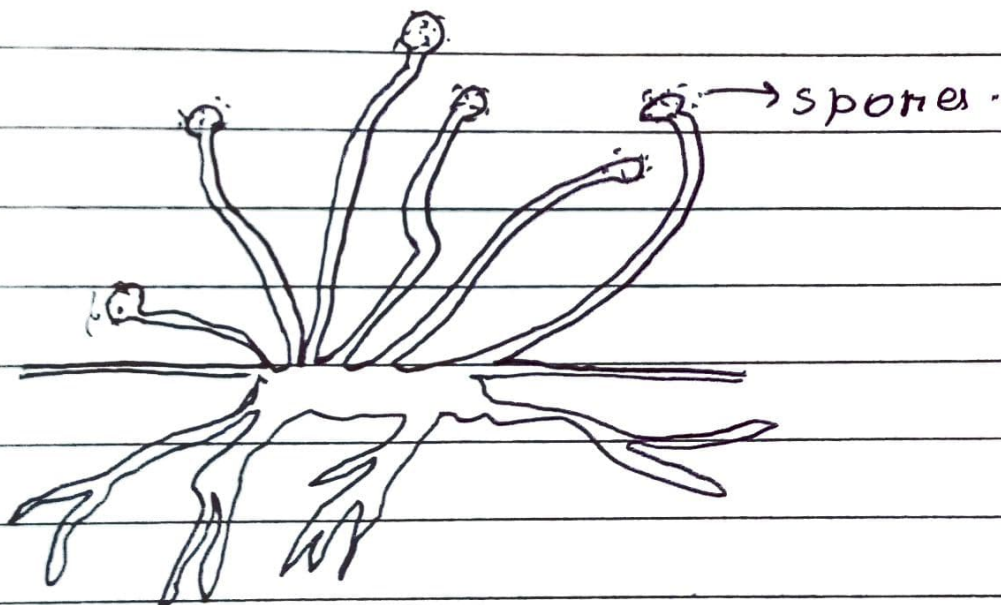
(3) (a) what is spore formation?

(b) Draw a diagram showing spore formation in rhizopus

(c) list two advantages for organisms to reproduce themselves through spores

ans (a) spore is formed in Rhizopus, Rhizopus body is made up of thread-like structure called as hyphae. this hyphae produce sporangia inside which spores are formed. they are produced in unfavorable condition.

(b) Diagram



Spores formation in Rhizopus.

(c) Advantages are -

→ It can resist in unfavorable condition.

→ In favorable condition, cyst wall burst and spores germinate to form a new plant.