

Woke Jedidiah - c.
19/mhs 01/438

BIOLOGY ASSIGNMENT

- 1) Importance of fungi to man kind:
- i) Some fungi produce substances which inhibit the growth of other harmful micro-organisms
 - ii) Yeast (a fungus) is used for alcoholic fermentation
 - iii) Some fungi are used to prepare organic acids
 - iv) Many fungi synthesize fat from carbohydrates
 - v) Certain fungi are used to ripen cheese.

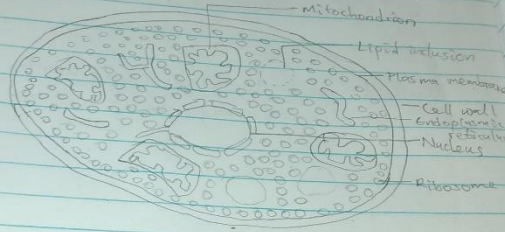


DIAGRAM OF A UNICELLULAR FUNGUS (YEAST)

3) Sexual reproduction in filamentous fungi:

The nucleus of the fungus becomes pinched at its mid point and diploid chromosomes are pulled apart by spindle fibres formed within the intact nucleus. It consists of three sequential stages: plasmogamy, karyogamy and meiosis. Plasmogamy involves fusion of two protoplasts (contents of two ^{haploid} cells). Karyogamy results in the fusion of these haploid nuclei and formation of a diploid nucleus. The cell formed by karyogamy is called a zygote.

Once karyogamy reduces the chromosome number generally follows

4) Adaptation
Bryophytes made the mossy plants waxy cuticle the gametophyte drying.

5)

