NAME: EKONG EDIDIONG UDEME

DEPARTMENT: MEDICINE AND SURGERY(MBBS)

MATRIC. NO: 19/MHS01/147

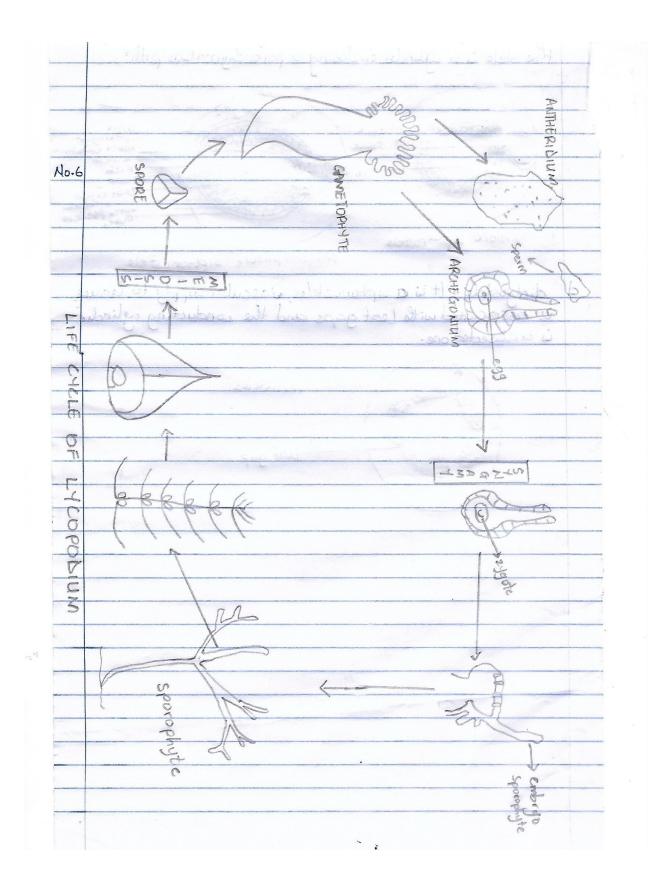
COLLEGE: MEDICINE AND HEALTH SCIENCES

	BIO 102 Assignment the lands of the ball
1	How are fungi important to manhind?
ì	Fungi are responsible for the medital mediation of decay of
	organic matter - on state all or warp reday to regit priton
11	Without fungiand other microbes, the surface of the earth
	would have been clogged up with dead matters with all the
	Various elements locked up in them instead of teo returning
	into various cycles. mupanhamon n'hollos a tanta a
ili	Fungi eng yeast (saccharomyces species) are important in
	Food industry. Mushrooms are easter by many human bocieties.
	Species e.g. Penicillium notatum produce important antibiotics.
	Many fungi species meditate the spoilage of wood, food, cloth.
	and paper. Many are plants pathogens causing blights and
	Smuts in cereals (Helminthosporium maydis and Ustilago zeac
	respiration)
iv	Some tungi are parasites to certain horrible obnoxious (offer
	unbearable) pests e.g houseffies, grasshoppers and therefore
	constitute important biological control agents in regard to such
	posts Medical the has show at anti- and shotted and part
	now the costs therefore the plant body is divided into two
2	Illustrate the cell structure of a unicellular functus with a well
	labelled diagram. There and a two almost in the action
	and plants that are mutanely.
	year
	reason portion being exposedue the attraction demands
	Mitochendria
	WOMMANG POOR STATER ST.C. LESTER THEN AND SOME AND
	I may but permits devine show and for the
	all not body and with going at a good that the
	sind parts of the part and the street land
	and and and and with the plant and the cell wall and the plant and the cell wall and the strong lagrate

3	Outline the sexual reproduction in a typical filamentous form of
	fungi.
	Sexual reproduction in Rhizopus Stolonifer occurs when two
	mating types of hyphae grow in the same medium. Chemical
	interaction in the two mating types of hyphae induces growths
	perpendicular to the hyphae in opposite directions. These growths
	are delimited by a wall buch that many nuclei are isolated
	in what is called a gametangium.
	The two gametangia fuse (plasmogamy) and a zygote is formed
	which may undergo prolonged dormancy or resting stage. The
	nuclei in the zigote fuse in twos and undergoes meiosis
	independently-
	The zijgote germinates under favourable conditions to produce
	a faiting fruiting which at maturity liberates the haploid
	spores.
	1 Sume tunci di carapites la catain bunk le ubraziona (affanin
4	Haw do Bryophytes adapt to their environment?
	Brujophytes adapt to land habitat in two ways:
9	They have definite structures for water and nutrients absorption
	from the soil; therefore the plant body is divided into two
	Can aerial portion and a bubberranean portion. The subterrane
	portion is the rhizoid and is not a true root as the case of
	land plants that are advanced.
6	The aerial portion being exposed to the atmosphere demands
	some modifications that prevents excessive loss of water
	through the body surface (i.e. desiccation) and some other
	modification that permits elimination of excess water from the
	plant body and not only exchange of gases between the
	internal parts of the plant and the atmosphere
	therefore openings are available on the aerial parts
	of the plant.

5 Destribe with illustration the following terminologies: a eusteles: Here, they are found in herbaceous dicotyledonous plants in which the vascular bundles are discrete, concentric collateral bundles of neylem and phloem the O, Vascular bundles b Atactostele: They are found in many monocotyledonous plants. The vascular bundles are scattered. The nature of the vascular supply to leaves is also a note worthy element of the vascular system. Jascular bundles 13 0 iontesc D 0 DB D 00 0 ODO 0 Ground meristen 00

Siphonostele: It is found in more advanced vascular pla C systems e.g. stems of ferns and higher vascular plants, the stele is a wlinder enclosing a parendy matous pith. outer periojale inner endodermis Barries Leaf trace Rylem Pith leaftrace interphoem outer phoem Outer encloclerinis Ectophloic siphonostele Amphiphloic Signonostele dictypstele = It is a siphonosteles, vascular supply to leaves d is associated with leaf gaps and the conducting cylinching is a dissected one. menisteles 0 leaf gap E



A mature plant (sporophyte) will have sporangium which will release spores which will germinate to form the gametophytes becatte which will procluces the beac cells which will tuse to produce the zigote which will develop to the embryto there to form sporophytes and this will is how the life cycle goes on.

• :